

2019-2020
ILLINOIS CENTRAL COLLEGE
CATALOG



the
SMART CHOICE



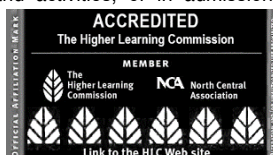
Contents

Quick Reference Guide	2
Career Clusters.....	7
General College Information.....	8
Admission	11
Enrollment and Academic Advisement.....	17
Student Records.....	21
Financial Information	24
Tuition	25
Academic Policies and Requirements.....	30
Learning Opportunities	37
Degree Requirements.....	39
Career and Technical Education Programs	45
Transfer Degrees	123
Special Programs and Classes	190
Course Descriptions	194
Program Mission, Goals, and Student Learning Outcomes.....	299
Student Services.....	345
Student Policies and Procedures	347
Campus Regulations	349
Who's Who	351
Maps	356
Index	i
Explanation of Terms.....	iv

The ICC College Catalog is also available online!
Visit the ICC website to apply,
or for enrollment information/instructions.

icc.edu

Illinois Central College is an AQIP participant, accredited by the Higher Learning Commission. To contact the Higher Learning Commission, go to hlcommission.org or call (800) 627-7449. It is the policy of this College that no person, on the basis of race, color, religion, gender, national origin, age, disability, sexual orientation, or veteran's status, shall be discriminated against in employment, in educational programs and activities, or in admission. Inquiries and complaints may be addressed to the Vice President of Diversity and Community Impact, Illinois Central College, 1 College Drive, East Peoria, Illinois 61635-0001, (309) 694-5561.



This catalog is for informational purposes only and does not constitute a contract. Illinois Central College has made every reasonable effort to determine this catalog is accurate when published. However, the College reserves the right to change, modify, or alter without notice all fees, charges, tuition, expenses, and costs of any kind and further reserves the right to add or delete without notice any course offering or information contained in this catalog, including the rules controlling admission to, instruction in, and graduation from College or its various divisions. Such changes become effective whenever the College deems necessary and apply not only to prospective students but also to those currently enrolled.

Academic Calendar

Fall 2019

Celebration of Learning	August 12-16
Classes Begin.....	August 19
Holiday - College Closed.....	September 2
12-Week Classes Start.....	September 9
Midterm.....	October 11
2nd 8-Week Classes Start.....	October 14
Thanksgiving Break (no classes)	Nov. 25-Dec. 1
Thanksgiving Break – College Closed	Nov. 28-Dec. 1
Last Day Before Finals	December 9
Final Exams.....	December 10-16
Semester Ends	December 16
Weekend College - Meets every weekend, except Nov. 29 – Dec. 1	

Spring 2020

Minimester Starts.....	December 17
College Closed	Dec. 24-Jan. 1
Minimester Ends (3 cr hr)	January 6
Minimester Ends (4 cr hr)	January 8
Celebration of Learning	January 15
Holiday - College Closed.....	January 20
Classes Begin.....	January 21
12-Week Classes Start.....	February 10
Midterm.....	March 13
Spring Break (No classes except Weekend College)	March 16-20
2nd 8-Week Classes Start.....	March 23
Easter Weekend (No classes after 5 pm)	April 10-12
Graduation.....	May 9
Last Day Before Finals	May 11
Final Exams.....	May 12-18
Semester Ends	May 18
Weekend College meets every weekend except April 10-12	

Summer 2020

Classes Begin.....	May 19
Holiday – College Closed	May 25
Holiday – College Closed	July 3
Semester Ends	August 7



Although we created this catalog with great care, we may have missed something. If you find what appears to be an error, please contact the office of the Vice President of Academic Affairs, (309) 694-5784, or email academicaffairs@icc.edu.



























Quick Reference Guide

DEGREES/CERTIFICATES































AA = Associate in Arts Degree
 AS = Associate in Science Degree
 AAS = Associate in Applied Science
 AES = Associate in Engineering Science
 Certificate = Occupational Certificate

ACADEMIC DEPARTMENTS































AIT = Agricultural and Industrial Technologies
 ABS = Arts and Behavioral Sciences
 BLIS = Business, Legal, and Information Systems
 HUM = Humanities
 HC = Health Careers
 MSE = Math, Science, and Engineering
 PHYED = Physical Education

Career Cluster	PROGRAM/AREA OF STUDY	AA	AS	AAS	AES	Certificate	Offered Online	Academic Department	See Page:	See Also:
	9-1-1 Telecommunicator					X		BLIS	103	300
	Accountancy	X					x	BLIS	130	
	Accounting Bookkeeper					X		BLIS	67	300
	Accounting Clerk					X		BLIS	68	301
	Actuarial Science	X						MSE	131	
	Agricultural Business Management – Precision Agriculture					X		AIT	48	301
	Agricultural Production					X		AIT	48	302
	Agricultural Science and Technology			X				AIT	48	302
	Agriculture	X						AIT	132	
	Architecture	X						ABS	133	
	Art	X						ABS	134	
	Automotive Technology			X				AIT	116	303
	Biology		X					MSE	174	
	Business			X				BLIS	60	303
	Business Administration	X					x	BLIS	135	
	Business Specialist					X		BLIS	60	304
	Caterpillar Dealer Service Technology			X				AIT	117	304
	Chemistry		X					MSE	175	
	Cisco Certified Network Associate (CCNA)					X		BLIS	95	305
	Cisco Certified Network Professional (CCNP)					X		BLIS	95	305
	Cisco Networking Specialist			X				BLIS	95	306
	Clerk Typist					X		BLIS	61	306
	CNC Machine Operator					X		AIT	108	307
	Commercial Refrigeration Technician					X		AIT	54	307
	Communication - General Communication	X						ABS	136	
	Communication - Public Relations	X						ABS	137	































QUICK REFERENCE GUIDE

Career Cluster	PROGRAM/AREA OF STUDY	AA	AS	AAS	AES	Certificate	Offered Online	Academic Department	See Page:	See Also:
	Computed Tomography					X	x	HC	85	308
	Computer Information Systems – Business Emphasis	X						BLIS	138	
	Computer Information Systems – Technical Emphasis	X						BLIS	139	
	Computer Programming and Database Development			X		X		BLIS	96	308
	Computer-Aided Mechanical Drafting					X		AIT	110	309
	Criminal Justice	X					x	BLIS	140	
	Culinary Arts Management			X		X		BLIS	89	309 310
	Dance	X						ABS	141	
	Dental Hygienist			X				HC	71	310
	Diesel Powered Equipment Technology			X				AIT	49	311
	Dietetics	X						AIT	142	
	Digital Imaging					X		AIT	58	311
	Digital Publishing					X		AIT	57	312
	Drug and Alcohol Counselor Training			X		X		ABS	92	
	Early Childhood Education			X				BLIS	93	312
	Early Childhood Education - Advanced					X		BLIS	93	313
	Early Childhood Education - Basic					X		BLIS	93	313
	Economics	X					x	BLIS	143	
	Education (Early Childhood)	X						ABS	144	
	Education (Elementary)	X						ABS	145	
	Education (Secondary)	X						ABS	146	
	Education (Special)	X						ABS	147	
	Emergency Medical Technician (EMT)					X		HC	81	314
	Engineering		X		X			MSE	176	
	English	X						HUM	148	
	Environmental Science		X					MSE	177	
	Family and Consumer Sciences	X					x	AIT	149	
	Fire Science Technology			X		X		HC	102	
	Foreign Language	X						HUM	150	
	General Motors Automotive Service Educational Program (GM ASEP)			X				AIT	118	314




























QUICK REFERENCE GUIDE

Career Cluster	PROGRAM/AREA OF STUDY	AA	AS	AAS	AES	Certificate	Offered Online	Academic Department	See Page:	See Also:
	Geography		X					HUM	178	
	Geology		X					MSE	179	
	Graphic Communications			X				AIT	57	315
	Graphic Design	X						ABS	151	
	History	X						HUM	152	
	Home Performance Technician					X		AIT	53	315
	Home Performance Technology			X				AIT	53	316
	Horticulture Landscape Management			X				AIT	50	316
	Horticulture - Landscaping					X		AIT	50	317
	Horticulture Turfgrass Management			X				AIT	51	317
	Horticulture - Turfgrass Operations					X		AIT	51	318
	HVAC Residential Installer					X		AIT	55	318
	HVAC Technician					X		AIT	55	319
	HVAC/R Technology			X				AIT	54	319
	iMedia					X		AIT	58	320
	Industrial Electrical Technology			X				AIT	106	321
	Industrial Maintenance					X		AIT	107	321
	Industrial Maintenance Technology			X				AIT	107	322
	Interior Design	X						ABS	153	
	International Business	X					x	BLIS	154	
	International Studies	X						HUM	155	
	Interpreter Preparation			X		X		HUM	63	322
	Journalism	X						HUM	156	
	Law Enforcement			X		X		BLIS	103	323
	Liberal Arts	X					x	HUM	157	
	Library Technical Assistant					X		LIB	64	324
	Licensed Practical Nurse					X		HC	79	324
	LPN to RN Completion Program			X				HC	78	325
	Machine Tool Technology			X				AIT	108	325
	Management - Supply Chain Management			X				BLIS	119	326

QUICK REFERENCE GUIDE

Career Cluster	PROGRAM/AREA OF STUDY	AA	AS	AAS	AES	Certificate	Offered Online	Academic Department	See Page:	See Also:
	Management of Supply Chain					X		BLIS	119	326
	Manufacturing Engineering Technology			X				AIT	109	327
	Mass Communication	X						ABS	158	
	Massage Therapist					X		HC	72	327
	Mathematics	X						MSE	159	
	Mechanical Engineering Technology			X				AIT	110	328
	Medical Assistant					X		HC	73	328
	Medical Coder					X		HC	75	329
	Medical Laboratory Technician			X				HC	76	329
	Medical Office Administrative Assistant					X		HC	74	330
	Meteorology		X					MSE	180	
	Multimedia	X						ABS	160	
	Music	X						ABS	161	
	Music Business	X						ABS	162	
	Music Industry	X						ABS	163	
	Network Administrator			X				BLIS	97	330
	Networking					X		BLIS	97	331
	Nursing Assistant					X		HC	79	331
	Occupational Therapy Assistant			X				HC	80	332
	Office Professional			X				BLIS	61	333
	Page Layout					X		AIT	58	333
	Paralegal			X		X		BLIS	104	334
	Paramedic			X				HC	81	335
	Personal/Fitness Trainer			X		X		PHYED	65	
	Philosophy	X						HUM	164	
	Phlebotomist					X		HC	82	335
	Physical Education		X					PHYED	181	
	Physical Therapist Assistant			X				HC	83	336
	Physics		X					MSE	182	
	Political Science	X						HUM	165	

QUICK REFERENCE GUIDE

Career Cluster	PROGRAM/AREA OF STUDY	AA	AS	AAS	AES	Certificate	Offered Online	Academic Department	See Page:	See Also:
	Pre-Chiropractic		X					MSE	183	
	Pre-Law	X						BLIS	166	
	Pre-Medical, Pre-Dental		X					MSE	184	
	Pre-Pharmacy		X					MSE	185	
	Pre-Physical Therapy		X					MSE	186	
	Pre-Veterinary		X					MSE	187	
	Printing					X		AIT	58	336
	Production Welder					X		AIT	112	337
	Psychology	X						ABS	167	
	Radiographer			X				HC	84	337
	Registered Nurse			X				HC	77	338
	Respiratory Therapist			X				HC	86	338
	Restaurant Management			X				BLIS	90	339
	Secure Software Development			X				BLIS	98	339
	Small Business Management					X	x	BLIS	60	340
	Social Work	X						ABS	168	
	Sociology	X						ABS	169	
	Statistics	X						MSE	170	
	Surgical Technologist			X				HC	87	340
	Theatre	X						ABS	171	
	Truck Driver Training					X		CCED	120	
	Web Developer					X	x	BLIS	100	341
	Web Developer Apprentice					X	x	BLIS	100	341
	Web Systems			X			x	BLIS	99	342
	Welding Operator					X		AIT	112	342
	Welding Specialist					X		AIT	111	343
	Welding Technology			X				AIT	111	343

Career Clusters

		Agriculture, Food and Natural Resources
		Architecture and Construction
		Arts, A/V Technology and Communications
		Business Management and Administration
		Education and Training
		Finance
		Government and Public Administration
		Health Science
		Hospitality and Tourism
		Human Services
		Information Technology
		Law, Public Safety, Corrections & Security
		Manufacturing
		Science, Technology, Engineering and Mathematics
		Transportation, Distribution and Logistics

General College Information

History	9
Philosophy/Core Values	9
Vision.....	9
Mission	9
Diversity Pledge.....	10
Understanding Accreditation.....	10
Equal Opportunity/Affirmative Action	10
Feedback to Illinois Central College	10
Section 504 of the Rehabilitation Act of 1973, as Amended, and the Americans with Disabilities Act of 1990 (ADAA), as Amended	10

History

Illinois Central College first started classes on September 18, 1967, in temporary buildings at its East Peoria location. Situated on over 400 acres of wooded terrain, the East Peoria Campus is now home to the Edwards Library Administration Building, Academic Building, Agricultural and Industrial Technologies Building, Ramsey Gymnasium, Performing Arts Center, the Caterpillar Building, and the Horticulture Land Laboratory.

In 1973, Illinois Central College purchased a downtown site on Southwest Adams Street, which included the Perley and Thomas Buildings. ICC Peoria, located at 5407 N. University Street in Peoria, opened in December 2002. August 2004, student residences opened, offering students an on-campus, apartment-style living option. In 2008, the College developed ICC Pekin at the Riverway Business Park, located at 225 Hanna Drive. ICC Peoria was newly renovated in 2016. The Student Resource Center was completed in 2017 and includes a Student Success Center, Student Activities Office, cafeteria, bookstore, student lounge, and meeting rooms.

Three out of ten graduating high school seniors living in the ICC district choose Illinois Central College. ICC annually awards more than 1,800 degrees and certificates.

Philosophy/Core Values

Founded as a comprehensive community college in 1966 in response to the Illinois Master Plan for Higher Education, Illinois Central College was established to meet the post-secondary needs of the citizens of the District and to supplement the area schools and four-year colleges.

The College was formed on the belief that individuals have worth and dignity in their own right and should be educated to the fullest extent of their abilities and motivation. Education of each citizen creates a better community for all. The College strives to provide quality education appropriate to each individual's needs within the bounds of fiscal responsibility. Illinois Central College is committed to non-discrimination and equal opportunity regardless of age, race, gender, ethnicity, religion, or physical capability. We believe that by representing the diversity of our district, we enrich the learning experience and create a broader and better understanding of our global community. In support of building this learning environment, we are dedicated to being a leader in recruiting, retaining, and promoting a diverse group of students, faculty, and staff.

The student is the center of all that is done at Illinois Central College. The College strives to provide students with the knowledge, skills and understanding for successful and satisfying careers and for intelligent participation in, and preservation of, a free and democratic society. This includes the development of a higher sense of values and the desire for continuous education throughout life. To achieve these purposes, the College encourages excellence in teaching and close communication between instructor and student.

To fulfill its philosophy and mission, the College:

- Promotes student access through both admission policies and reasonable student costs that encourage enrollment of those who can benefit from the instruction and services offered.
- Enhances the academic and personal development of all students through a full range of support services.
- Provides a broad general education curriculum for students in all programs as a basis for further study and specialization.
- Offers the requirements and prerequisites in preparation for successful transfer to a four-year institution to complete a baccalaureate degree.
- Provides a variety of career and technical programs in preparation for successful employment.
- Provides developmental and foundational level studies for students with academic deficiencies.
- Provides opportunities for students to appreciate and benefit from the diversity of people in a global community.
- Offers continuing education opportunities for students interested in meeting personal goals or updating employment skills and pursuing cultural and leisure interests.
- Cooperates with other educational, business, and governmental entities to address educational needs related to the economic health of the residents of the District.
- Provides special cultural, recreational, and general interest events which enrich the life of the community.

The College is committed to its
Core Values: Learning, Community,
Integrity, Responsibility, and
Excellence



Vision

Illinois Central College is a comprehensive college committed to a future that “surprises” our students, employees, and community. We do not think that “settling” is enough. We, the people of ICC, are dedicated to becoming an institution that delights our students with relevant and up-to-date classes, exemplary service, and an enriching campus life, all at an affordable cost. We know what it takes for our students to succeed, and we make it happen. Education at ICC leads to successful careers, transfers to baccalaureate programs, and life-long learning experiences to improve our students’ lives and opportunities. The short version of the vision is:

We provide an
exceptional educational experience
that delights our students and stakeholders.

Mission

The mission of the College is expressed in these sentences:

**Through learning, minds change.
We believe by changing minds,
we can change the world.**

Diversity Pledge

Illinois Central College stands committed to diversity in all of its dimensions. The College embraces, values, and encourages diversity at all levels of its operation. The College stands for tolerance, non-discrimination, and cultural sensitivity.

Inclusion is at the core of Illinois Central College's educational and service strategies. Respect for diverse individuals will be evident in the College's interactions with students, employees, and the communities it serves.

Understanding Accreditation

Educational accreditation is a process of external quality review created and used by higher education to scrutinize colleges, universities, and programs for quality assurance and quality improvement. Accreditation in the United States is more than 100 years old, emerging from concerns to protect public health and safety and to serve the public interest.

In the United States, accreditation is carried out by private, nonprofit organizations designed for this specific purpose. External quality review of higher education is a nongovernmental enterprise.

There are two types of educational accreditation: institutional and specialized.

Regional (Institutional) Accreditation

Institutional accreditation is provided by regional and national associations of schools and colleges. There are six regional associations, (Middle States Commission, New England Association, Higher Learning Commission, Southern Association, Western Association for Community and Junior Colleges, Western Association for Senior Colleges and Universities). The regional associations are independent of one another, but they cooperate extensively and acknowledge one another's accreditation. Several national associations focus on particular kinds of institutions (for example, trade and technical colleges, or religious colleges and universities). An institutional accrediting agency evaluates an entire educational organization in terms of its mission and the agency's standards or criteria. As an institution, Illinois Central College is accredited by the Higher Learning Commission (hlcommission.org).

Specialized (Programmatic) Accreditation

Programmatic accreditors review specific programs; professions; and freestanding schools of law, medicine, engineering, etc. Several ICC programs have sought and received specialized (program) accreditation/approval. These include the following.

Accrediting Agencies

- National Automotive Technicians Education Foundation
- Association of Leaders in Equipment Distribution Foundation
- American Bar Association Standing Committee on Paralegals Approval Commission
- National Association of Schools of Music
- National Accrediting Agency for Clinical Laboratory Sciences
- Commission on Dental Accreditation
- Commission on Accreditation of Allied Health Education Programs
- National League for Nursing Accrediting Commission
- Illinois Board of Nursing

- Illinois Department of Public Health
- Accreditation Council for Occupational Therapy Education
- Commission for Accreditation in Physical Therapy Education
- Joint Review Committee on Education in Radiologic Technology
- Commission on Accreditation for Respiratory Care

Equal Opportunity/Affirmative Action

Illinois Central College is accredited by the Higher Learning Commission. It is the policy of this College that no person, on the basis of race, color, religion, gender, national origin, age, disability, sexual orientation, or veteran's status, shall be discriminated against in employment, in educational programs and activities, or in admission. Inquiries and complaints may be addressed to the Compliance Officer, Diversity Department, Illinois Central College, 1 College Drive, East Peoria, Illinois 61635-0001, (309) 694-5561.

Feedback to Illinois Central College

ICC encourages current students to provide input in the form of compliments, suggestions, or complaints. Your feedback needs to be written and can be submitted using the ICC online feedback form found at the bottom of each page of the website. The College wants to hear about the good things that work, things that maybe weren't so great, and ideas to make ICC better.

We ask that you provide feedback that is respectful, detailed, and timely, and refrain from using profanity, name-calling, or other inappropriate language. Submissions may be made anonymously, but if the submission includes an email, ICC personnel will follow up with the individual with the answer or resolution or for further clarification if needed to resolve the situation.

Section 504 of the Rehabilitation Act of 1973, as Amended, and the Americans with Disabilities Act of 1990 (ADAA), as Amended

Illinois Central College shall provide that no otherwise qualified individual with a disability, shall solely by reason of disability, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity engaged in by the College as required by Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disability Act of 1990, as amended. Inquiries or complaints may be addressed to Human Resources, Illinois Central College, 1 College Drive, East Peoria, Illinois, 61635, (309) 694-5437.

Admission

Admission	12
General Admission	12
Degree-Specific Admission Requirements.....	12
Programs with Special Requirements.....	13
GED Admission	13
Residency Requirements.....	13
Chargebacks	14
Cooperative Educational Agreements	15
High School Inter-District Agreements.....	15
Academic Placement Testing	15
Testing Center	16
Evaluation of Transfer Credit.....	16
Credit for Prior Learning	16
College Credit by Examination.....	16
Credit for Service and Education in the Armed Forces	16

Admission

ICC has an open-door admission policy.

General Admission

Individuals seeking admission to the College are required to submit an admission form online at icc.edu.

Individuals eligible for admission to the College include:

- Graduates from a state-recognized high school or individuals with a GED (High School Equivalency) certificate.
- Individuals 18 years of age or older and no longer enrolled in high school.
- Transfer students from other colleges and universities who meet one of the above criteria.
- Individuals younger than 18 years of age who have quit attending high school. These students will be evaluated through the use of an assessment program to determine their appropriate English, reading, and math placement levels.
- High school students age 16 and older or who are juniors or seniors who have authorization to participate in college courses and programs. (Early College admission and enrollment is handled through a student's respective high school. For more information, please see the high school counselor.)

Admission to the College does not guarantee entrance or enrollment into a particular course or program of study. The College reserves the right to establish selective admission procedures and to give preference to residents of Community College District 514. Refer to the section titled Programs with Special Admission Requirements for specific information or students seeking an F-1 student visa should refer to the section titled International Students.

Degree-Specific Admission Requirements

Illinois Central College maintains an open-door, open-access policy with regard to general admission to the College. Although selected programs have established, and maintained, specific admission requirements, applicants will be admitted to the general programs of the College. Placement tests and academic advisement will be utilized to determine the appropriate courses in which students should enroll.

Associate in Arts Degree

Associate in Science Degree

Associate in Engineering Science Degree

All new full-time applicants who intend to enroll in the Associate in Arts Degree program, Associate in Science Degree program, or in the Associate in Engineering Science Degree program (the usual course of study for baccalaureate/transfer students planning to seek a bachelor degree) must submit not only an application but also high school transcripts (or GED scores) and ACT/SAT scores.

As a result of minimum standards established by the Illinois Board of Higher Education and Public Act 86-0954, it is recommended that applicants for the Associate in Arts Degree or Associate in Science Degree successfully complete at least 15 units of high school coursework from the following categories:

- 4 years of English, emphasizing written and oral communication and literature

- 3 years of college preparatory mathematics, including introductory through advanced algebra, geometry, or fundamentals of computer programming
- 2 years of social science
- 2 years of laboratory science
- 2 years of one foreign language, fine arts (art, music, theatre, or dance), or vocational education
- 2 years of elective coursework, including coursework in any of the categories above (excluding English)

These course-specific requirements are minimums. Some high school students should include coursework beyond the minimum in fields they may be considering for advanced study in a college or university. For example, students who think they want to pursue a degree in science or mathematics should take additional courses in mathematics and lab science in high school.

For applicants who do not meet one or more of the course-specified requirements above, ACT minimum sub-scores were established to determine whether high school equivalent knowledge and skills have been acquired: 20 for English, 20 for math, 20 for science, and 20 for social studies (on the reading sub-scores).

Students with a deficiency in one of the high-school-course areas may also satisfy the requirement by passing a college-level course in this area with a grade of C or higher, or by passing one of the following Illinois Central College courses:

English requirement: ENGL 095 or ENGL 099

Math requirement: MATH 098

Science requirement: CHEM 094

Associate in Applied Science Degree Occupational Certificate

Requirements for admission to programs vary. For information on the requirements, see the specific program of study in this Catalog or consult with the department dean.

Associate in General Studies Degree

An applicant admissible to the College is admissible to this program.

Community Education

Students enrolled only in non-credit courses are assigned to this curriculum.

Programs with Special Requirements

Some programs at ICC use special admissions processes. They may require students to have completed certain coursework or meet certain conditions before entering the program. Students who wish to enter the following areas of study must meet with an advisor in that area to assure all requirements for admission have been met.

- **All Health Careers programs**

Programs in Health Careers may have differing requirements. For requirements specific to individual programs please see <http://icc.edu/academics/catalog/health-careers/steps-to-apply/>.

- **Diesel Powered Equipment Technology (DPET) program**

Application deadline dates are December 1 and April 1 to be considered for the following fall semester. Applications received after April 1 will be considered if openings occur prior to the start of the fall semester. Call (309) 694-5582 or (309) 694-5616 to request a DPET packet.

Take the Mechanical Reasoning and other select placement tests. (Required tests may vary depending on the student's previous coursework and test scores, consult with a program advisor prior to testing.)

Meet with a DPET Advisor.

Submit all required documentation by deadline for consideration.

- **Caterpillar Dealer Service Technology Program**

The application deadline for consideration is February 1st. All applicants to the program after the deadline will be considered for the next academic year.

To be considered, each candidate must:

Complete and return the application materials you'll receive in the mail and send ICC an official copy of your high school transcript.

Send items to: Illinois Central College, ATTN: CAT Dealer Service Technology, 1 College Drive, TT 101, East Peoria, IL 61635-0001

Schedule a "Big Look" informational tour of the Caterpillar program and take the Accuplacer Placement Test and the Mechanical Reasoning Test. (We will schedule the test and tour on the same day.)

Be accepted for sponsorship by a supporting Caterpillar dealership.

- **General Motors Automotive Service Educational Program (GM ASEP)**

Application deadline is April 1 to be considered for the following fall semester. Applications received after April 1 will be considered if openings occur prior to the start of the fall semester. Call (309) 694-5192 or (309) 694-5616 to request a GM ASEP packet.

Take the Mechanical Reasoning and other select placement tests. (Required tests may vary depending on the student's previous coursework and test scores, consult with a program advisor prior to testing.)

Have a clean driving record.

Meet with a GM ASEP Advisor. The Advisor will assist in scheduling an interview with a sponsoring GM Dealership or ACDelco Professional Service Center.

- **Paralegal – Certificate Program**

A bachelor's degree (4 years/undergraduate) or associate degree from an accredited college or university is required for admission to the program.

Student must submit an application for admission to Illinois Central College and must submit an official transcript from the college or university granting the degree to ICC Enrollment Services, L211.

Student must submit a separate application for the Paralegal Certificate Program to the Program Coordinator and have an interview with the Program Coordinator before gaining admission to the program. The form is available from the Program Coordinator at ICC Peoria, Poplar Hall 117, by calling (309) 690-7691 or online at paralegal.icc.edu. At least 30 percent of the total program of study must be completed at Illinois Central College.

Student must take at least 10 credit hours or the equivalent of legal specialty course through the 'in person' format. PRLGL 113, 116, and 260 must be taken at ICC to graduate from the program.

Students must attain a grade of "C" or higher in each PRLGL course (included equated PRLGL transfer courses).

GED Admission

Admission for the GED program is handled through the Adult Education Office. For further information regarding placement testing, start dates, and registration, please call (309) 694-5240.

Residency Requirements

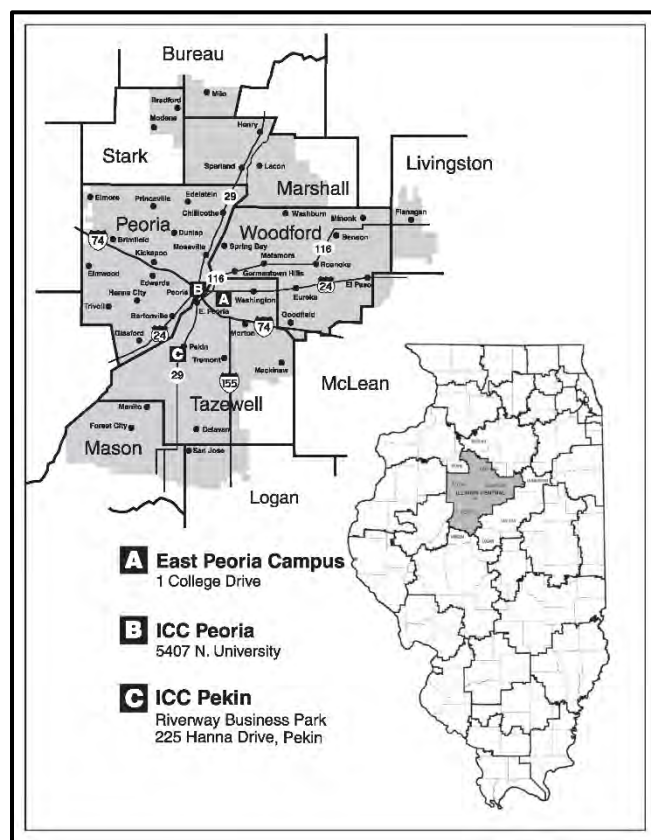
Illinois Central College adheres to current residency requirements set forth by the Illinois Community College Board and the State Board of Education. For students under the age of 24, please note that changing your address does not automatically change your residency. Students who are legal residents within District 514 are afforded the current in-district tuition rate. Please refer to the map and the zip code listing to determine your residency status. If your legal residence is within a split district zip code, your residency will be out-of-district at the time you apply to Illinois Central College. Please provide a copy of your most recent property tax bill to Enrollment Services so a final determination can be made for your residency status.

Residency Statuses:

In-District Resident: A student that graduated from a high school within District 514 and has legal residency within District 514 at the time of application to Illinois Central College or is a dependent of a person who has legal permanent residence within District 514 at the time of the student's application to ICC will be classified as an in-district student. Students age 24 years or older may also be classified as an in-district student by establishing residency within District 514 regardless of the high school from which the student graduated.

Out-of-District Resident: A student that graduated from a high school outside of District 514 or has legal residency outside of District 514 at the time of application to Illinois Central College will be classified as an out-of-district student. Students dependent upon a person whose permanent residence is outside of District 514 but within the state of Illinois are considered to be out-of-district. However, the out-of-district tuition rate may be adjusted based on the employment status of the student or the individual claiming the student. Please contact Enrollment Services at (309) 694-5606 or stop in Room L211 to discuss your situation.

Illinois Central College #514 District Map



ICC District – city/town plus zip code

Alta	61615	Glasford	61533	Peoria	61601, 02, 03, 04, 05, 06, 07, 12, 13, 14, 15, 25, 28, 29, 30, 32, 33, 34, 36, 37, 38, 39, 40, 41, 43, 44, 50, 51, 52, 53, 54, 55, 56
Armington*	61721	Goodfield*	61742	Peoria Heights	61616
Bartonville	61607	Green Valley	61534	Princeville	61559
Benson	61516	Gridley*	61744	Roanoke	61561
Bradford*	61421	Groveland	61535	Rome*	61562
Brimfield	61517, 61518	Hanna City	61536	San Jose*	62682
Camp Grove	61424	Henry	61537	Secor*	61771
Carlock*	61725	Hopedale*	61747	South Pekin	61564
Castleton*	61426	Hopewell	61565	Sparland	61565
Chillicothe	61523	Kickapoo	61528	Speer	61479
Congerville	61729	Kingston Mines	61539	Toluca	61369
Creve Coeur	61610	La Fayette*	61449	Toulon*	61483
Danvers*	61732	La Rose*	61541	Tremont	61568
Deer Creek	61733	Lacon	61540	Trivoli	61569
Delavan	61734	Laura	61451	Varna*	61375
Dunlap	61525	Lowpoint	61545	Washington	61570
East Peoria	61611, 61635	Mackinaw	61755	Washington	61571
Edelstein	61526	Manito	61546	Wenona*	61377
Edwards	61528	Mapleton	61547	West Peoria	61604
El Paso*	61738	Metamora	61548	Wyoming*	61491
Elmwood	61529	Minier*	61759		
Eureka	61530	Minonk	61760		
Farmington*	61531	Morton	61550		
Flanagan*	61740	Mossville	61552		
Forest City	61532	Pekin	61554, 55, 58		

* schools split between two districts

Chargebacks

Illinois Central College is a partner within the Illinois Partial Student Support Program. The intent of this agreement is to expand the education programs that are provided to students within District 514 as well as offering ICC programs to Illinois students from outside District 514. The chargeback reduces the student's tuition obligation to the current in-district rate of the school at which the student will attend.

Out-of-State Resident: A student that graduated from a high school outside the state of Illinois or has legal residency outside the state of Illinois at the time of application to Illinois Central College will be classified as an out-of-state student. However, the out-of-state tuition rate may be adjusted based on the employment status of the student or the individual claiming the student. Please contact Enrollment Services at (309) 694-5606 or in Room L211 to discuss your situation.

Out-of-Country Resident: A student that is not a legal, permanent resident of the United States as defined by the Immigration and Naturalization Service (INS) will be classified as an out-of-country student. Dependents of foreign employees working full-time within District 514 will be classified as an out-of-country student. However, the out-of-country tuition rate may be adjusted based on the employment status of the individual claiming the student. Please contact Enrollment Services at (309) 694-5606 or stop in Room L211 to discuss your situation.

International Student: A student that has obtained permission from their home country to study at a college or university within the United States will be classified as an international student. These students will hold either an F-1 Visa (for degree seeking students) or an M-1 Visa (for certificate seeking students). Proof of the ability to pay the out-of-country tuition rate and all additional fees and costs related to studying in the United States must be provided before a student is accepted as an international student. For more information regarding study opportunities at ICC, please contact the International Education Department at (309) 694-8817 or (309) 694-8947.

If you are an out-of-district or out-of-state student under the age of 24, and would like consideration for in-district residency status, please complete the residency questionnaire and submit the form along with the acceptable supporting documentation as outlined on the form to Enrollment Services in Room L211 on the East Peoria Campus. The addresses that appear on your supporting documentation must match and must be the same as the address on your student record at Illinois Central College. The residency questionnaire can be found online at <http://icc.edu/admissions/enrollment/enrollment-forms/>.

Illinois Department of Children and Family Services Dependents: Effective 1/1/2017 any student who is (i) currently under legal guardianship of Illinois Department of Children and Family Services, or has recently been emancipated from the department and (ii) has previously met the 30-day residency requirement of the district but had a placement change into a new community college district will be classified as a resident of the district they are currently residing in.

These students will not be required to meet the 30-day residency requirement and will receive in-district tuition. Proof of current in-district residency from the student, caseworker, other personnel of the department, student's attorney, or guardian ad litem appointed under the Juvenile Court Act of 1987 is required. Please contact Enrollment Services at (309) 694-5606 or stop in Room 211 on the East Peoria Campus to discuss your situation.

Homeless Student: If you are a homeless student, please provide us with documentation from the homeless shelter in which you are residing. New documentation will be required each semester until the residency questionnaire can be completed and you are able to provide the necessary documentation to establish permanent in-district residency status. Please contact Enrollment Services at (309) 694-5606 or stop in Room L211 on the East Peoria campus to discuss your situation.

The agreement works in two ways:

1. A District 514 student can enroll in a program of study not offered by Illinois Central College but offered by another Illinois community college.
2. A student that resides within the State of Illinois but outside District 514 can enroll at ICC in a program of study that is not offered by their home community college district.

District 514 students continue to have the option of attending any community college within Illinois if their program of study is not offered by ICC. However, if ICC has entered into a cooperative agreement with a school that offers the selected program of study, ICC will not approve a chargeback agreement request for the student to attend the selected institution. Please refer to the Cooperative Educational Agreements section below for more information.

The chargeback agreement can be found at icc.edu/admissions/enrollment/enrollment-forms.

For more information on the chargeback agreement, please contact ICC Enrollment Services, Room L211 on the East Peoria Campus, or by phone at (309) 694-5606.

Cooperative Educational Agreements

Working cooperatively with various Illinois two-year colleges, Illinois Central College has agreed to participate in the Community College Educational Agreement (Cooperative Agreement). The intent of this agreement is to expand the educational programs that are provided to students within District 514, as well as offering our programs to Illinois students from outside District 514.

The Cooperative Agreement reduces the student's tuition obligation to the current in-district rate of the receiving institution.

The agreement works in two ways:

1. A District 514 student can enroll in a curriculum (program) that is not offered by Illinois Central College but is offered by a participating two-year college.
2. A non-District 514 student can enroll at ICC in a curriculum (major) that is not offered by their home community college district.

The chargeback and cooperative agreement form can be submitted online at icc.edu/admissions/enrollment/enrollment-forms.

The following Illinois two-year institutions have signed on to the Community College Educational Agreement:

Black Hawk College
Carl Sandburg College
College of DuPage
College of Lake County
Danville Community College
Elgin Community College
Heartland Community College
Highland Community College
Illinois Central College
Illinois Eastern Community College
Illinois Valley Community College
John A. Logan College
John Wood Community College
Joliet Junior College
Kankakee Community College
Kaskaskia College
Kishwaukee Community College
Lake Land College
Lewis and Clark Community College

Lincoln Land Community College
McHenry County College
Moraine Valley Community College
Morton College
Oakton Community College
Parkland College
Prairie State College
Rend Lake College
Richland Community College
Rock Valley College
Sauk Valley Community College
Shawnee Community College
South Suburban College
Southeastern Community College
Southwestern Illinois College
Spoon River College
Waubesa Community College
William Rainey Harper College

Additional institutions may be added on an annual basis. For more information on the Cooperative Agreement, contact Illinois Central College Enrollment Services, Room L211, phone (309) 694-5606.

High School Inter-District Agreements

ICC has agreed to partner with our bordering community colleges to develop the High School Inter-District Agreement.

This agreement works to provide in-district tuition for taxpayers to high school districts within District 514 that educate students from both District 514 and bordering community college districts.

The specific high school districts are as follows:

El Paso-Gridley District #11
Farmington District #265
Fieldcrest District #6
Flanagan-Cornell District #74
Henry-Senachwine District #5
Illini Bluffs District #327
Illini Central C.U.S.D. #189
Midland District #7
Midwest Central District #191
Princeville District #326

If you are a taxpayer to any of the above high school districts and are classified as an out-of-district resident at Illinois Central College, please provide a copy of your most recent property tax bill to Enrollment Services, so a final determination can be made for your residency status. If you have any questions, please contact Enrollment Services, Room 211, (309) 694-5466.

Academic Placement Testing

East Peoria Campus • L220 • (309) 694-5234
ICC Peoria • Arbor Hall, A103 • (309) 690-6990
ICC Pekin • Main Office • (309) 353-5088

The College uses placement tests in subjects like math and reading to determine college readiness and to place students in classes at the appropriate level. The Reading Placement Test is required for most college-level courses unless the student has met one of the other placement options. ICC's Math Placement Test is required for all math courses unless one of the other placement options has been met. Availability of score equivalencies and options will vary by course level.

For specific requirements review "Do I Need a Placement Test" on the ICC Testing Center website at icc.edu/around-campus/testing-center/placement-testing/.

Additional placement tests are available for specific courses or subjects. Direct placement into BIOL 205 is dependent upon successful completion of the Anatomy and Physiology placement test. Other placement tests are available but not required for individuals with background knowledge in Spanish and Music Theory.

Study guides and additional resources can be found on the Testing Center website at icc.edu/around-campus/testing-center/placement-testing/preparation/.

If you require reasonable accommodations for testing, please contact Access Services at (309) 694-5749 to discuss the documentation you will need to submit.

Testing Center

East Peoria Campus • L220 • (309) 694-5234
ICC Peoria • Arbor Hall, A103 • (309) 690-6990

The Testing Centers at the East Peoria and Peoria campuses offer a variety of other testing services. If a student misses an exam in the classroom the instructor may have the student take a proctored test in the Testing Center. Credit by examination (CLEP and departmental proficiency exams) are available. Some certification and licensing exams may be available.

All testing is by appointment. Visit the Testing Center website at icc.edu/testingcenter for more details about these and other tests, as well as instructions on scheduling appointments.

Evaluation of Transfer Credit

Students pursuing a degree or certificate at ICC who are interested in receiving credit from college-level coursework taken from another institution should have their official transcripts sent directly to Illinois Central College as early as possible for evaluation. Once ICC receives an official transcript(s) it is evaluated in the order in which it is received. Information regarding the date the transcript was received is available in the student's eServices account. Keep in mind that your credits may transfer, but individual grades will not be factored into your ICC cumulative grade point average. Once completed, a student's transcript evaluation summary will be available to view in the student's eServices account.

Transfer of credit may be considered for lower division coursework that has been successfully completed from the following categories of academic institutions:

Regionally Accredited: Degree-granting public, private, nonprofit, two- and four-year institutions in the United States conferred by the Higher Learning Commission, and/or parallel accrediting agencies in other regions of the United States

Non-Regionally Accredited: Specialized institutions in the United States, including distance learning providers recognized by the Council of Higher Education Accreditation (CHEA) and the U.S. Department of Education

Non-United States Institutions: Institutions that hold accreditation through the home country's Ministry of Education to award professional degrees, certificates, and licensures. Coursework from non-United States institutions must be evaluated by an approved agency such as World Education Services (WES.org) or Educational Credential Evaluators (ECE.org).

Military/DANTES: Credit achieved through military training or examination may be considered for transfer according to the Guide to the Evaluation of Educational Experiences in the Armed Services by the American Council on Education (ACE)

Additional information on evaluation of transfer credit can be obtained from Enrollment Services, L211, (309) 694-5611.

Credit for Prior Learning

Several methods are available for students to test their knowledge/prove their learning about a variety of subject matter in which the student feels proficient and thereby earn non-traditional college credit. Credit for prior learning can save a student valuable time needed for other subjects, in addition to being a financial savings. Credit for prior learning can be a jump-start to a college certificate or degree.

Examples of credit for prior learning accepted at Illinois Central College are:

- Military credit (see page 16)
- CLEP exams (see page 16)
- Advanced placement exams (see page 15)
- Early College (see page 192)
- Transfer credit (see page 16)
- Departmental proficiency exams (see page 15)

College Credit by Examination

Students may apply a maximum of 30 credit hours towards a degree through College Credit by Examination. Students pursuing a certificate must complete a minimum of 30% of their credits towards their certificate at Illinois Central College.

Credit for Service and Education in the Armed Forces

Illinois Central College recognizes for college credit certain training experience in the U.S. armed forces.

To have military education credits evaluated and posted to Illinois Central College records, official transcripts from The Community College of the Air Force or Joint Services Transcript (JST) must be sent directly to the College. It is the student's responsibility to request the transcript be sent directly to Illinois Central College.

Any other military education for which students wish to receive consideration for credit must be listed on the DD-214. Students must bring a copy of their DD-214 to Enrollment Services. Eligible veterans, as outlined below, may receive six hours of TC credit upon submission and review of their DD-214.

To be consistent with federal guidelines, an "eligible veteran" is defined as one who meets the following criteria:

1. Served on active duty for a period of at least 180 days or;
2. Was released/discharged from active duty because of a service connected disability, or;
3. Served as a member of a reserve component under an order of active duty during a period of war or in a campaign or expedition for which a campaign badge is authorized. (Reference Public Law 102-127).

To ensure maximum veteran education benefits, please contact the ICC Veterans Affairs at (309) 694-5562 or in Room L208 on the East Peoria Campus.

Enrollment and Academic Advisement

Academic Advisement	18
Underage Student Enrollment.....	18
International Students.....	18
Enrollment Procedure	18
Enrolling in Classes	19
Student Status	19
Maximum Load	19
Withdrawal from Classes	19
Cancellation of Classes	20
Veterans	20

Academic Advisement

East Peoria Campus • CC200 • (309) 694-5281

ICC Peoria • Arbor Hall • A02C • (309) 690-6824

Academic Advisement services are available to all students attending Illinois Central College. Advisors assist students in planning the appropriate classes each semester for their program of study. Advisors provide guidance concerning specific program requirements and serve as a source of information regarding general education requirements, College policies and procedures, and transferring to a college or university.

Students in a specific curriculum are assigned to either a departmental or faculty advisor in that area. Undecided students are assigned to the Advisement and Counseling Services Office for advisement and are assisted by counselors who are trained to help them with their academic planning and career exploration.

All full-time students are required to obtain academic advisement and must have an advisor's approval each semester to enroll in twelve or more credit hours. Part-time students are strongly encouraged to seek advisement each semester before enrolling. The student is responsible for scheduling an appointment with their advisor. Students can obtain their advisor's name and contact information from eServices, departmental offices, or the Advisement and Counseling Services Office, CC200.

Underage Student Enrollment

Students under the age of 16 are able to enroll at ICC on a part-time basis in up to seven credit hours. Students who wish to enroll in any courses must petition the Dean of Students. Students will be asked to complete the appeal form, to have completed any assessment testing or provide results of ACT/SAT tests, to provide a transcript including all completed coursework from the current school, and to provide additional information as indicated on the form. Once the documentation is provided, an appointment can be made by calling the Dean of Students at (309) 694-8501. It is recommended that the petition be made a minimum of 2 weeks prior to the course start date.

Process

The paperwork and initial meeting with the Dean of Students will serve as an evaluation of the proposed coursework, as well as the academic and emotional preparedness of the student for college-level coursework. The dean will confer with the appropriate faculty member and dean prior to the face-to-face meeting with the student to determine the academic preparedness needed and any potential challenges or exceptional characteristics of the course that may be relevant to the decision. The faculty member and dean have the ability to deny entrance into a class. If the faculty staffing for a class changes, the course enrollment will be reviewed with the new faculty member. Students will not be permitted to enroll in developmental coursework unless there are extenuating circumstances that require this enrollment.

The dean will use the feedback and recommendation of the faculty member and dean in determining student eligibility for an individual course in conjunction with the face-to-face meeting.

The face-to-face meeting will discuss issues including course content, course modality, academic rigor, FERPA, safety and legal issues, and other important aspects regarding underage enrollment. The student must also provide a letter from the school principal or other

designated official that indicates their recommendation or support of the student for college-level coursework. If the enrollment is approved by all parties involved, the student will be allowed to enroll in the course.

Dual Enrollment

The student must be enrolled on a full-time basis at a district elementary or secondary institution or be officially enrolled in a home education program.

The student must be at least 16 years old to enroll at ICC. Dual credit students can enroll in an unlimited amount of dual credit courses taught by an Illinois instructor.

International Students

International students on F1 visas are required to contact the International Education Office, (309) 694-8817, or the International Education Coordinator, (309) 694-5553. International students must read and write English, understand English when spoken, and speak easily understood English. All F1 international students must take a TOEFL, IELTS, or CET4 (China) exam to assess their English abilities. ICC offers assistance with English language learning for students with low TOEFL scores. All International students will also be required to take placement tests.

International F1 students are required to enroll in a minimum of 12 credit hours each semester, except summer. Students on dependent visas are not required to enroll full time. The International Education Office will issue the I-20 form only after all documents have been submitted and the application has been accepted.

Enrollment Procedure

East Peoria Campus • L211 • (309) 694-5600

New students enrolling at ICC need to complete the following:

1. Fill out an admission form, available online (icc.edu)
2. Send all high school and college/university transcripts and ACT/SAT scores. All transcripts and test scores need to be official copies sent directly to ICC from the institution.
3. Take the academic placement tests. You can schedule a testing appointment online (icc.edu/testingcenter). Note: If you have completed appropriate college-level coursework and/or taken the ACT/SAT exam, you may not need to take a placement test. See Prerequisite Requirements for IAI General Education Course for details. Contact Enrollment Services if you have questions.
4. Apply for Financial Assistance. Fill out your Free Application for Federal Student Aid (FAFSA) online (fafsa.ed.gov). You must enter ICC's school code #006753 for your information to be processed by ICC. If you have any questions, please contact the financial assistance office at (309) 694-5311 or email financialaid@icc.edu.
5. Apply for an ICC scholarship. Fill out an online application between January 15 and April 1 for the upcoming fall semester. The application can be found at icc.edu/scholarships.
6. Make an appointment to meet with your academic advisor. Your academic advisor's name and contact information is listed within your welcome email and letter that you received upon completing your admission form as well as in your eServices account. The general advising department (for undecided programs of study) can be reached at (309) 694-5281.

7. Enroll in classes you have selected with your academic advisor. You can enroll online through your eServices account or at an Enrollment Services office on any campus.
8. Make financial arrangements for your tuition. Tuition payments should be on time and can be made in person by cash, check or credit card. You may also use your ICC eServices account to pay tuition online or to set up a payment plan. The due date for your tuition can be found in your eServices account. ICC does not send paper bills to students through the mail. You will be notified through your ICC student email anytime there is a change in your account. For more information on how to access your ICC student email, please visit icc.edu, select eServices, and then select "email basics".
9. Attend New Student Orientation. To reserve a seat on your date of choice, go to (icc.edu/students/new-student-orientation) or call (309) 694-5560.

All enrollment materials should be sent to:

Illinois Central College
Enrollment Services, L211
1 College Drive
East Peoria, IL 61635-0001

Enrolling in Classes

Schedules are online at icc.edu

The class schedule lists day, time, and location of classes, and dates and times for registration. The Fall Class Schedule is generally available the preceding March and the Spring/Summer Class Schedule, the preceding October.

Before enrolling for classes, **FULL-TIME STUDENTS MUST MEET WITH THEIR ACADEMIC ADVISOR** to plan a specific course schedule meeting Illinois Central College requirements, personal needs, and, if appropriate, four-year institution transfer requirements. The required approval will be obtained from the advisor at this time. **PART-TIME STUDENTS** are encouraged to meet with an academic advisor or counselor to receive full benefit of their continuing education. **ALL OUTSTANDING FINANCIAL OBLIGATIONS MUST BE PAID BEFORE ENROLLING.**

Instructions and enrollment options/dates are provided in the class schedule.

Student Status

Full-Time Student

Students enrolled for 12 or more credit hours are classified as full time. These students are entitled to and encouraged to use all the academic support systems and College facilities available. Students enrolled in six or more credit hours during the summer session are classified as full time for academic purposes but part time for financial aid purposes.

Part-Time Student

Students enrolled for eleven or fewer credit hours are classified as part time. These students are entitled to and encouraged to use all the academic support systems and College facilities available to full-time students. Students enrolled for five or fewer credit hours during a summer session are classified as part time.

Maximum Load

The recommended maximum load for a student during an academic semester is 16 credit hours, unless the program of study requires a

number of hours in excess of 16. The recommended maximum load for summer is 9 credit hours. Prior to enrolling for more than 18 credit hours during a semester (or for more than nine credit hours during the regular summer session) permission **MUST** be obtained from the dean/associate dean in the student's curriculum area. Students with less than a "B" (3.0) grade average are discouraged from attempting more than 18 credit hours. Students on academic caution, academic pre-suspension, or re-admitted suspended students, and students in certain programs may be limited to a lesser number of hours.

Withdrawal from Classes

When necessary to withdraw from a class or classes, you may do so at any time until 75% of the class has elapsed.

Withdrawals are accepted online, by mail, fax, or in person at the East Peoria Campus (L211); ICC Peoria, Arbor Hall; or ICC Pekin. You cannot withdraw from a class via phone.

If you experience problems when trying to withdraw online, you must contact the ICC Help Desk within 24 hours of your attempt so that we may research the problem. Call the ICC Help Desk at (309) 694-5457 or email enroll@icc.edu. If you do not make this contact, your situation will be handled in accordance with the current ICC enrollment policies.

Students may withdraw from a class until the withdrawal date listed on their class schedule. All students are financially responsible for tuition and fees for classes that they enroll into during a semester. However, if the withdrawal occurs on or before the refund date listed on the class schedule, the student may be entitled to a refund of tuition.

Students who are given a failing grade on an assignment for Academic Misconduct will not be allowed to withdraw from that course without instructor permission. Students who are given a failing grade in the course for Academic Misconduct will not be allowed to withdraw from the course. Illinois Central College reserves the right to reinstate any individuals who are withdrawn in these situations.

Mailed or Faxed Withdrawals

The envelope or fax must bear a postmark prior to or on the withdrawal (or refund) date published for the course in the class schedule.

Mailed or faxed withdrawals received during the weekend that bear the appropriate date on the envelope or fax receipt will be processed the following business day. If you have any questions, please contact Enrollment Services for verification. We strongly encourage you to contact Enrollment Services to verify the transaction was processed in our system.

Late Withdrawals

Withdrawals after the end date listed in the class schedule will be considered late. For more information on the process see "Request for Late Withdrawal Grades," in the *Student Handbook*.

Withdrawal for Non-Attendance

Students who are identified as a non-attender by their instructor will be withdrawn from the class at midterm. Students recorded as non-attenders will be notified by mail that they have been administratively withdrawn from the class without refund of tuition. Instructors have individual and often varying policies regarding non-attendance withdrawals. Do not assume you will be withdrawn if you never attend or stop attending a class.

If space is available, and if approval from department and instructor are obtained, then students may re-enroll in a class from which they have been withdrawn.

Non-attendance without an official withdrawal constitutes a failing or unsatisfactory grade.

Students are financially responsible for tuition and fees for all classes not officially dropped by the appropriate refund date.

Cancellation of Classes

The College reserves the right to cancel class sections due to insufficient enrollment. Students registered in canceled classes should arrange to enroll in another class or receive a refund.

Veterans

East Peoria Campus • L208 • (309) 694-5562

Illinois Central College will assist veterans and eligible dependents of veterans navigate the college enrollment process and complete the proper forms required for monthly education benefits and will serve as a liaison between the student and the US Department of Veteran Affairs. Certification requests must be submitted by the veteran or their eligible dependent(s) each semester to the ICC Veterans Affairs office to ensure timely and proper enrollment certification through the US Department of Veteran Affairs. Requirements for Chapters 30, 31, 33, 35, 1606 and 1607 are as follows:

- Copy of DD-214 member 4 or DD-2384 (Notice of Basic Eligibility)
- Transcript of any previous college course work from each institution previously attended (if applicable)
- Certificate of Eligibility from the Department of Veteran Affairs for the eligible education benefit

The ICC Veterans Affairs Coordinator is available to answer questions about Veteran benefits and to monitor student degree plans and academic progress.

ICC also accepts the Illinois National Guard, Illinois Veterans and Illinois MIA/POW grants. A request to use these benefits must be submitted by the veteran each semester to the ICC Veterans Affairs office to ensure tuition is paid. For eligibility questions, please contact the ICC Veterans Affairs office at (309) 694-5562.

The law requires that educational assistance benefits to veterans and eligible dependents be discontinued when the student ceases to maintain the Satisfactory Academic Progress standards set forth by the educational institution. At ICC, students receiving state and/or federal veteran education benefits must maintain a 2.0 cumulative GPA and must maintain a 67% cumulative course completion rate to maintain eligibility for education benefits. The exact rules for satisfactory academic progress may be obtained at icc.edu/students/financial-aid/eligibility.

The Department of Veterans Affairs requires military education to be evaluated, credited, and posted to Illinois Central College records. Official transcripts from The Community College of the Air Force or the Army (AARTS) must be sent directly to the College from the appropriate institution. Joint Services transcripts can be obtained at <https://jst.doded.mil/smart/signin.do>, or a student can submit a DD-214 for military credit.

To ensure maximum veteran education benefit, please contact the ICC Veterans Affairs Office.

Withdrawal Due to Call to Active Duty

In accordance with Illinois Statute (330 ILCS 60/5.2), students who are called to active military service have the right to receive a refund of tuition and fees applicable to their registration when called to duty for a period of 7 or more consecutive days. Withdrawal from the course will not impact the grade point average of the service member. Please provide a copy of your orders to the ICC Veterans Affairs Coordinator once orders have been received that may impact your semester classes.

Student Records

Student Rights and Responsibilities	22
Program of Study Changes	22
Transcript Requests	22
Applying to Graduate	23
Commencement Ceremony	23

Student Rights and Responsibilities

Information about Student Rights and Responsibilities can be found in the Student Handbook. Students are responsible for reading the Rights and Responsibilities, as well as reading and abiding by the Student Code of Conduct. Print copies are available in the Dean of Students Office and online at icc.edu/student-services.

Student Right to Privacy and Access to Records

According to the Family Education Rights and Privacy Act (FERPA) of 1974, students have the right to (1) inspect and review their educational records; (2) request the amendment of their education records to ensure that they are not inaccurate, misleading, or otherwise in violation of the student's privacy or other rights; (3) restrict disclosure of information to other individuals or entities; (4) file a complaint with the Family Educational Rights and Privacy Act Office if the college fails to comply with the requirements of the Act.

Directory Information

The College considers the following directory information: (1) student's full name; (2) address ; (3) ICC email address; (4) affirmation of student enrollment status (full/part-time) and class level; (5) dates of attendance, graduation, intended program of study, degree(s), certificate(s) earned, and honors received; (6) pertinent information relating to participation in officially recognized activities and sports.

The College will only disclose directory information to individuals or entities with legitimate educational interests and in compliance with the Solomon Act. Educational records, student schedules, grades, and other academic information (including drop-out lists) will not be released to parents, guardians, employers or other individuals without written consent of the student. All requests from internal and external entities for the use or release of directory information lists must be reviewed and approved by the Vice President of Student Services in consultation with other offices as necessary.

Students have the right to restrict disclosure of directory information. Contact the Enrollment Services Office (309) 694-5610 for the appropriate paperwork. All paperwork must be submitted in person with a photo ID.

Educational Records

Educational records are all records that contain information directly related to a student and are maintained by an educational agency or institution, or by a party acting on its behalf. A record means any information recorded in any way, including handwriting, print, tape, film, microfilm, microfiche, and digital images.

Educational records may include semester grades, GPA, tuition and fee information, financial aid information, birthdate, disciplinary actions, and other personally identifiable information (PII.)

Additional resources

For a full description of exclusions to this law, as well as more complete definitions of the terms in this section, students can contact the Vice President of Student Services, the Enrollment Services Office at the East Peoria and Peoria campuses, or go online to icc.edu/student-services.

A more complete guide to FERPA for students, including references to statutes and additional clarifications:

ed.gov/policy/gen/guid/fpco/ferpa/students.html

Program of Study Changes

Students sometimes change educational or career goals before completing the program in which they originally enrolled. When students consider such a change, they should discuss it with their academic advisor. When the change is deemed necessary, students must complete a Degree/Certificate of Study Change Request Form and submit it to Enrollment Services L211 or the Dean of Students Office L221. Selective admission programs must approve the change before the program change will be processed.

Transcript Requests

East Peoria Campus • L211 • (309) 694-5503

ICC Peoria • Arbor Hall • (309) 690-6870

Official transcripts of credit earned at Illinois Central College can be requested by current and former students, and can be sent to another individual, business, or school.

Official transcripts can be requested online through your eServices account. Once you login to your eServices account, select "Main Menu" and then "Self Service". You will then select "Academic Records" and "Secure Transcript". This will take you to our secure ordering site to complete your transcript order. There is no cost for a transcript sent electronically or by standard mail.

Students who have not taken classes since 2002 should click directly on the "REQUEST A TRANSCRIPT" link to start the ordering process. You will be required to complete a signed authorization form before your transcript can be released.

In situations where a transcript is necessary for immediate use, one may be provided within an hour for a \$10 per copy fee. This service is available 8:30 am-3:00 pm Monday through Friday at Enrollment Services, L211, East Peoria Campus only.

The College will not forward the original copy nor a copy of any transcript received by the College from another institution or agency to the student or a third party/institution. Transcripts, test scores, etc., must be requested by the student directly from the originating institution or agency.

Unofficial copies of transcripts can be obtained through your eServices account; however, unofficial copies are not generally accepted by other institutions. A student's official transcript will be withheld if the student has not met all financial obligations to the College.

D.E.T.A.I.L.S. * Student Development Transcript

The Student Development transcript is designed as an official document to accompany resumes or scholarship applications and to supplement the academic transcript. It is a self-reported record, with verification by an advisor or supervisor, of a student's co-curricular activities, service, leadership development, honors, or awards while at Illinois Central College.

To participate in the Student Development Transcript Program, contact the Student Life Office, 303A, phone (309) 694-5201.

*Development of Excellence Through Activities and Involvement in Leadership and Service

Applying to Graduate

East Peoria Campus • L211 • (309) 694-5612

**Whether or not you plan to participate
in ICC's commencement ceremony,**

YOU MUST APPLY

**to be officially awarded
your degree or certificate.**

**Participating in the Commencement
DOES NOT GUARANTEE
a Degree/Certificate will be Officially Awarded.**

Applications are available online at icc.edu/students/graduation, from your advisor, or from any Enrollment Services location.

When you expect to complete your program of study:	Deadline to apply for Degree/Certificate
Fall Semester (December)	October 1
Spring Semester (May)	March 1
Summer Semester (July)	June 1

Applying is easy and free from your eServices account. Once logged into eServices, select "My Academics" and then select "Apply for Graduation."

You are only eligible to apply to graduate from the program/s of study in which you are enrolled. If you need to add a program of study or change your program of study, please complete a Degree/Certificate of Study Change Request Form. You can obtain the form from your academic advisor or any Enrollment Services Office (East Peoria, Peoria or Pekin.)

*You are only allowed to apply for graduation one time per term. If you do not meet the requirements for the term you applied for, you will need to reapply for the next term.

Celebrate your success by participating in ICC's

Commencement Ceremony

If you have met the requirements necessary for a degree/certificate in your program of study, you will receive a postcard regarding participating in commencement. This postcard will provide you with instructions on registering to walk in the commencement ceremony and ordering your cap and gown. Go online to icc.edu/students/im-graduating for more information.

ICC holds only one commencement ceremony. Participation in the May commencement ceremony is optional. Students completing their program of study the previous December are encouraged to participate in the May ceremony. Students who choose not to participate in the commencement ceremony but wish to purchase a tassel, can do so at Enrollment Services on the East Peoria Campus.

Participation in the commencement ceremony does not automatically assure a student of having earned a degree or certificate. Final grades and graduation certification are verified as soon as possible following the ceremony. Diplomas will be mailed to the student approximately six (6) weeks after all final grades are posted.

Financial Information

Tuition Due Dates	25
Cost Per Credit Hour	25
Senior Citizens	25
Tuition Payment Options	25
Tuition and Financial Aid Refunds	25
IRS Form 1098-T	26
Dropping Classes/Refunds	26
Tuition Appeals	26
Additional Fees	26
Financial Assistance	26
Scholarships	29
Special Academic Services	29

Tuition Due Dates

Tuition is due when you enroll in a class. Due dates for each semester can be viewed at icc.edu/admissions/paying-for-college/tuition-due-dates. Financial arrangements must be made by the due date to ensure you remain enrolled in your classes. District chargebacks, inter-district cooperative agreements or agency authorizations must be received by the tuition due date to ensure your account balance is adjusted or you will be responsible for the full tuition amount due by the due date. These authorizations may be submitted to Enrollment Services on any campus. Illinois Central College reserves the right to change tuition without notice and to assess additional charges associated with administration, collection fees and any other charges incurred by the College in resolving unpaid balances. ICC will use any and all means necessary to collect unpaid balances.

Cost Per Credit Hour

Effective Fall Semester 2019

\$150	ICC district residents AND Out-of-district, Illinois residents* authorized by their community college for partial payment AND Online classes for district residents
\$168	Online classes for out-of-district residents
\$320	Out-of-district, Illinois residents* NOT authorized by their community college for partial payment
\$378	Out-of-state residents and international students
varied	Community education activities and Professional Development Institute (costs associated with class)
free	ICC district residents 65 and older, credit classes only (not including fees)

*If you reside in an Illinois community college district which does not offer a program that is available at Illinois Central College, you may be eligible for a district chargeback or an inter-district cooperative agreement from your legal or home district. Please contact your home district community college for the application, and once approved by your home district, the application must be submitted to Illinois Central College immediately to ensure your account balance is adjusted to reflect the in-district tuition rate. District chargeback applications must be approved by the Board of Trustees of your home district and should be submitted at least 30 days prior to the beginning of the semester. ICC reserves the right to change tuition without notice.

Senior Citizens

College District 514 residents who are 65 years of age or older at the start of the semester in which they enroll, are entitled to a tuition waiver for credit classes only. However, these students must pay any required fees and purchase textbooks and supplies.

Tuition Payment Options

ICC no longer sends bills to students. You will be notified through your ICC student email anytime there is a change in your account. For more information on how to access your ICC student email, please visit icc.edu, select eServices, and then "email basics."

Pay in Full

You can pay your tuition in full by cash, check, credit card or electronic bank transfer (E-check).

- Cash is only accepted in person.
- Checks are accepted in person or via mail.
- Credit card payment is accepted in person or online. ICC accepts Visa, MasterCard, and Discover for the payment of tuition and fees. Please note a separate, non-refundable convenience fee (2.85%, \$3 minimum) will be assessed at the time of each debit or credit card payment for student account charges.
- Electronic bank transfers (E-checks) are accepted online ONLY.

PLEASE NOTE: If you mail your payment, it must arrive by the due date to ensure you remain enrolled in your classes. If payment is not received by the due date, you may be dropped from your classes and will have to re-enroll.

Online Payment Plans

ICC offers several ways to pay your College bill, based on when you enroll in your classes. All online payment transactions are set up using your eServices account. For more information on how to make online payments and set up a payment plan, visit icc.edu/admissions/paying-for-college. To set up a payment plan, you must have at least one (1) credit hour of tuition charges due on your account. The online credit card or electronic bank transfer payment allows you to make immediate payment through your eServices account. The free payment plans offered by ICC create regular automatic electronic payments. A down payment is due on all payment plans, but the due date for the down payment varies depending on the plan selection. The earlier you enroll in classes and in a payment plan, the longer you have to pay and the smaller your monthly payments will be for the semester. You may submit your payment one of two ways: 1) Electronic bank transfer – payment(s) automatically deducted from either your checking or savings account if it is an ACH transferable account. – OR – 2) Credit Card Option – automatic payment(s) will be charged to a Visa, MasterCard, or Discover card. (PLEASE NOTE: You can only pay for ICC student account charges. Charges for PDI, Continuing Education, and College for Kids cannot be paid using this service.) A \$10 late fee will be charged for each installment payment that cannot be successfully processed on the due date of the installment.

For more information on tuition payment options, please contact or visit Enrollment Services on any campus.

Tuition and Financial Aid Refunds

To ensure timely and accurate delivery of your refund monies, ICC offers eRefund services to students. To take advantage of this service, you must set up an eRefund account through your eServices account. Select the link "eRefund Account Setup." You can find detailed instructions on setting up this account at icc.edu/admissions/paying-for-college/howtotutorials.

It is the policy of ICC to deduct from a student's refund any outstanding obligation when the refund is processed. Obligations include, but are not limited to, tuition, NSF checks, institutional emergency loans, traffic fines, library fines, etc. By law, ICC is allowed to use financial aid refund dollars to pay any outstanding obligation for tuition and fees for a prior term within the same academic year but only \$200 can be used to pay an obligation from a previous academic year. It is the student's responsibility to ensure any remaining balance is paid in full or future services (registration, transcripts, etc.) will be

withheld from the student. Financial aid refund checks not cashed within 60 days will be cancelled and the funds will be returned back to the Federal Student Aid program.

All authorized refunds, including those for canceled classes, will be processed approximately the fourth week of classes.

IRS Form 1098-T

As a college student, you (or your parents or guardians) may be eligible for a tax credit for tuition expenses. To assist you, ICC provides the IRS Form 1098-T to students and reports payments made on qualified tuition and related expenses during the calendar year. It is the student's responsibility to ensure ICC has the correct Social Security Number or Taxpayer Identification Number (TIN) on record for tax reporting purposes. If you would like to receive the Form 1098-T with your TIN information, you are required to submit an IRS Form W-9S informing ICC of your TIN for reporting purposes. Please visit icc.edu to obtain the PDF version of IRS Form W-9S. This form must be submitted to Enrollment Services on any campus.

To make sure you always have access to the 1098-T form (for current year and previous years), ICC encourages you to sign up to receive this form through your eServices account. The electronic version assures that you will be able to access your form as soon as it's available. For more information and instructions to sign up for the electronic form, please visit icc.edu.

Please consult with the IRS or your tax preparer for additional information on tax credits. ICC does not provide tax advice regarding tuition tax credits or deductions.

Dropping Classes/Refunds

ICC will drop all tuition charges or give 100% refunds of tuition for any decrease in credit hours including complete withdrawal from the College if you officially withdraw online or in person prior to the refund date(s) for the course(s). Refund dates vary and are listed for each course on the student's class schedule. The ICC class schedule can be viewed at icc.edu/classschedule.

For more information and for instructions on how to officially withdraw from a course, refer to the "Withdrawal from Classes" section found on page 19. Other attempts to withdraw are not considered official and will not be honored for a refund. A student will be held financially responsible for tuition and fees for all classes not officially dropped by the refund date.

In the event the College cancels a class, a total refund of tuition and fees related to the class will be made if the student does not change to another class.

Tuition Appeals

Tuition Appeals will be considered only when justified by extenuating circumstances such as illness, mandatory job changes, accident, death or illness in immediate family which prevent continued attendance in the class(es). Supporting documentation must be submitted or the request will not be accepted. There is a limited period of time for the return of textbooks with a full refund. For information on a refund for textbooks, please contact the ICC Bookstore at (309) 694-5207. All tuition appeals must be submitted by the last business day of the month following the term for which the student is appealing the tuition.

Refund requests based on non-attendance or unawareness of refund dates or procedures are not considered an extenuating circumstance and the appeal will not be accepted.

Additional Fees

Collection Fee	\$50 per account balance submission
Late Payment	\$10 each month until paid in full or Plan Installment submitted to collections
Returned Payment	\$25 per check or E-check
"While-you-wait"	\$10 per request Transcript Request
Application for Degree	FREE
Credit Card Convenience Fee	2.85% (\$3 minimum) of payment amount for Student Account charges (non-refundable)

Financial Assistance

East Peoria Campus • L211 • (309) 694-5311
financialaid@icc.edu

Illinois Central College is committed to the philosophy that all individuals who need, want, and are able to benefit from higher education should be provided the opportunity to realize their aspirations and goals. Illinois Central College offers a variety of financial aid to students who may encounter difficulty in meeting financial obligations while pursuing their education. Major types of aid include the Federal Pell Grant, State of Illinois Monetary Award Program (MAP), Federal Direct Loan Program, Federal Work Study Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), and scholarships.

To apply and to be considered for financial aid you must:

- Complete the ICC Admissions Form. The form can be completed by visiting icc.edu/apply and select, "Let's Get Started."
- Submit the Free Application for Federal Student Aid (FAFSA). You must enter ICC's school code #006753 for your information to be processed by ICC. The FAFSA can be submitted electronically with the government at fafsa.ed.gov. The ICC Financial Assistance staff is able to provide assistance with completing the FAFSA. Please visit the Financial Assistance Office, Room L211, or call (309) 694-5311 or email financialaid@icc.edu for assistance.
- Have enrolled or have been accepted to enroll in a program of study requiring 16 credit hours or more.
- Are in compliance with the Satisfactory Academic Progress Standards (SAP) prior to and following receipt of financial aid. All students applying for aid must meet GPA (cumulative 2.0) and completion rate (cumulative 67%) requirements. In addition, the student must not have attempted the maximum hours allowed for the program. In general, this requirement is 1.5 times the number of hours required to complete the program. Students not meeting SAP standards will be notified in writing through their student email account. Students may be reinstated for financial aid once they meet SAP requirements. Students may appeal their loss of aid eligibility if extenuating circumstances exist. For a detailed explanation of SAP, please visit icc.edu/students/financial-aid/eligibility. PLEASE NOTE: By law, all coursework on a student's transcript must be reviewed for purposes of determining SAP, even if previous hours attempted were not paid by Federal Student Aid.

- If a student is enrolled in courses that do not count toward his/her degree, certificate, or other recognized credential, they cannot be used to determine enrollment status unless they are eligible remedial courses. This means we cannot award a student aid for classes that do not count toward his/her degree, certificate, or other recognized credential.
- If additional information is requested by ICC, you will receive the request through your ICC student email account. All requested documentation, must be received as soon as possible. Your FAFSA will not be processed until all documentation is received.
- If you are requesting student loans, you must submit all paperwork required. Visit icc.edu/students/financial-aid/types-of-financial-aid-available for a list of documents required for the loan application.

Students are encouraged to complete the FAFSA form as soon as possible after October 1 of each year. Applications are accepted throughout the year. However, completed applications received by June 1 of each year are given priority status when determining eligibility for limited funded grants such as FSEOG and Federal Work Study.

Return of Financial Aid Funds

Title IV funds are awarded to a student under the assumption that the student will attend school for the entire period for which the assistance is awarded. Students should understand that changing their class schedule anytime during the semester might alter the amount of financial aid they are eligible to receive.

If a student falls below 6 credit hours and has a student loan, the student may no longer be eligible to receive the loan.

Federal regulations state that financial aid is earned by attending class. You have not earned 100% of your financial aid until you have attended more than 60% of the term. If you withdraw before this date, a portion of your financial aid has not been earned.

The unearned portion is equal to the percentage of the term remaining on the date of withdrawal. Your financial aid eligibility will be recalculated based on your actual period of attendance using a specific credit hour-standard term formula. You may be asked to repay a portion of the aid that had been disbursed to you.

If it is found that the student owes part or all of their financial aid back to the Department of Education, the College will return that money, which will result in the student owing the College. This balance must be paid before future enrollments, graduation or the release of transcripts are allowed. The student will be notified via letter of any Return of Title IV obligations.

The term "Title IV Funds" includes the following programs:

- Federal Pell Grant
- Federal Supplemental Education Opportunity Grant (FSEOG)
- Federal Direct Subsidized Loan
- Federal Direct Unsubsidized Loan
- Federal PLUS Parent Loan

Determining Date of Withdrawal

Your withdrawal date is determined in one of two ways.

If you officially withdraw from the institution, your withdrawal date is the last date of attendance at an academically related activity, as determined by instructor's attendance records.

An unofficial withdrawal occurs when you stop attending classes, but do not notify the institution of your withdrawal. At the mid-point of each semester, the institution checks for non-attendance. In cases where a student is failing classes at the mid-point of the semester, each instructor will confirm whether the student is still attending class or will provide the last date of attendance for each class. If you have ceased to attend all classes, the latest date of attendance in all classes will be used to determine the withdrawal date.

Repaying of Financial Aid

Once the institution has determined you have either officially or unofficially withdrawn from the institution, we will notify you (the student) within 30 days if you are required to repay a portion of your financial aid for the term. Illinois Central College returns funds within 45 days to the U.S. Department of Education.

In recalculating your financial aid eligibility, we will reduce your financial aid in the following order:

1. Unsubsidized Direct Stafford loan
2. Subsidized Direct Stafford loan
3. Direct PLUS loan
4. Federal Pell Grant
5. Federal Supplemental Education Opportunity Grant (FSEOG)
6. Iraq and Afghanistan Service Grant

Late Disbursement

If your federal grant and loan funds have not yet been disbursed at the time of withdrawal, a late disbursement of funds will be offered in the following circumstances:

- The financial aid office received a valid Student Aid Report/Institutional Student Information Record with an official EFC before you withdrew
- For a Direct Loan, the loan must have been originated with the U.S. Department of Education prior to your withdrawal
- For a Direct Loan, a first-time borrower must not have withdrawn before the 30th day of the term
- For an SEOG grant, the grant must have been awarded prior to the date of withdrawal and all other eligibility requirements

Once notified of your eligibility for a late disbursement, you have seven days to notify the Financial Aid Office of your decision regarding the late disbursement.

Financial Aid Overpayment

An overpayment occurs when a student has been disbursed more aid than they are eligible to receive. This typically happens when a student changes their enrollment level by dropping classes before the refund date listed in their class schedule AFTER they have already been disbursed their aid.

The student who is in overpayment will be sent a letter informing them of the situation. If an overpayment is not resolved, and if the student does not repay Title IV funds when required, the institution must report the overpayment to the U.S. Department of Education. Owing an overpayment of a federal grant or loan will prevent the student from qualifying for any future Title IV assistance at all colleges.

Purchasing Textbooks with Financial Aid

Eligible enrolled students, whose grant, loan and/or scholarship funds exceed the outstanding charges on their student account, may be eligible to use a bookstore charge to purchase books and supplies against their pending financial aid. These charges are automatically set up for Pell-eligible and loan-eligible students to use at the bookstore two weeks prior to the start of the semester for fall and spring semesters. Bookstore charges close the third Wednesday of the fall and spring semester. All charges made by the student will be posted to their ICC student account and will remain as an outstanding balance owed until the financial aid funds are received by ICC.

Books and supplies required for classes must be purchased before any other bookstore items such as electronics and clothing can be purchased.

It is important that you have finalized your enrollment and have submitted all requested financial aid documents to ensure an accurate bookstore charge is set up in a timely manner for your use in the bookstore. If you do not have all requested items submitted to the Financial Assistance Office, you will not be eligible for a bookstore charge.

Remedial Coursework

By law, federal student aid funds can be used to pay up to 30 credit hours of remedial coursework. If the student has reached the maximum hours allowed, the student is notified prior to disbursement for the semester. Once the maximum number of remedial hours has been taken, the financial aid award is determined by subtracting the remedial hours from the total hours attempted for the current semester. The award is then calculated based on the remaining hours on the student class schedule.

Retaking Coursework

By law, federal student aid funds can be used for one retake of a previously passed course. This applies when the original attempt of the course was paid for by financial aid. Federal student aid regulations state a passing grade for purposes of this law is any grade higher than an "F", regardless of any school or program policy requiring a higher qualitative grade for determination of passing the course. If a student withdraws before completing the course that they are being paid financial aid for retaking, then that is not counted as their one allowed retake for that course.

Pell Grant Lifetime Eligibility Limits

A student's maximum duration of Pell grant eligibility is six full-year academic awards. For term-based schools, such as ICC, this is equal to twelve semesters of payment at full-time enrollment in each of those semesters. For example, if a student is enrolled full time for the semester and receives the Pell grant at full-time status, the student is using 50% of an academic year award. However, if the same student is enrolled at a half-time status for the semester, the student is only using 25% of an academic year award. If a student is close to reaching the lifetime eligibility limit and has applied for financial aid, the student will be notified by the U.S. Department of Education.

Student Loan Information

Students must be enrolled in an eligible program leading to a certificate or degree and be registered for at least six eligible credit hours to borrow a Federal Direct Loan for any semester of attendance. Students in default on student loans are not eligible for student loans or any financial aid in the future until the default is resolved.

Loans will be certified for the amount requested or for the amount you are eligible, if less than the requested amount. If you are enrolled in less than 12 credit hours, your cost of attendance is adjusted to reflect the actual number of credit hours enrolled and your loan award will be recalculated. Any change in enrollment status after your loan is certified by ICC may require additional recalculation and revision of your original loan amount. If you submit a loan application prior to the tuition due date and you are determined eligible for the loan, you will be held in your classes.

Loan disbursements are completed in two payments during the loan period. If the student has requested a two semester loan (i.e. fall and spring loan), the student will receive one disbursement in each of the semesters. If the student has requested a one semester loan (i.e. fall only loan), the student will receive two disbursements in the semester. The second half of the disbursement is processed the week after midterm break. If the student's enrollment level changes prior to the second disbursement, the loan amount may change. Per federal regulation, disbursements for first time loan borrowers are not processed until 30 days after the start of the semester (approximately the 5th week of the academic semester).

Situations that may delay or cancel your student loan:

- Enrollment in second 8-week classes may delay your loan disbursement until all classes start.
- Change in your enrollment status may require a recalculation of your loan eligibility.
- If your enrollment drops below six credit hours, any loan funds that have not been disbursed will be cancelled.

Student Loan Default

Student loan default, or not repaying your student loan debt, carries serious consequences. When taking out a student loan, you want to exhaust all other possible funding methods and borrow conservatively. Student that do not repay their student loans become ineligible for any financial aid and loans in the future. Defaulted loans can prevent students from renewing professional licenses. The federal government can collect on defaulted loans by confiscating federal tax refunds and garnishing wages. It is the student's responsibility to always stay in contact with the loan servicer to stay current with address and enrollment information to help avoid default.

If you and your loan servicer disagree about the balance or status of your student loan and you have done everything you can to resolve the issue, you can contact the Federal Student Aid Ombudsman Group. They can help you find some resolution to the matter.

Please use the following information to contact the FSA Student Loan Ombudsman Group:

Online assistance:	studentaid.gov
Telephone:	(877) 557-2575
Fax:	(202) 275-0549
Mail:	U.S. Department of Education FSA Ombudsman Group 830 First Street, N.E., Mail Stop 5144 Washington, D.C. 20202-5144

Direct PLUS Loans

Parents of dependent undergraduate students may borrow this loan on the student's behalf. Students must be enrolled at least half time (6 credit hours) at ICC. Financial need is not required, but the loan is limited to the school's cost of attendance, which varies depending on the number of credit hours enrolled, minus other aid the student is receiving. FAFSA filing is required and parents must not have an adverse credit history.

Direct PLUS loan repayment begins on the date the loan is fully disbursed. Payments may be deferred while the dependent student is enrolled at least half time. A parent borrower who is also a student may defer repayment while he or she is enrolled at least half time. Deferments must be requested by contacting the agency that services the loan.

Parents may apply for a PLUS loan after the student receives a financial aid award letter from ICC. The PLUS loan application and instructions are located at icc.edu/students/financial-aid/forms.

Subsidized Loan Limit

Effective July 1, 2013, first-time borrowers lose eligibility for additional subsidized loans when the student has received subsidized loans for 150% of their current academic program. In addition, students that continue enrollment beyond 150% of their published program length will lose the interest subsidy on prior subsidized loans received that have an outstanding or unpaid balance. First-time borrowers are defined as students that have never received a student loan or students that have paid previously borrowed loans in full and are borrowing after July 1, 2013. Generally, the 150% is measured in time, not dollars, based on the published length of the program. Students who lose eligibility for subsidized loans are still eligible for unsubsidized loans.

Scholarships

Educational Foundation East Peoria Campus • L425 • (309) 694-5530

Financial Assistance Office East Peoria Campus • L211 • (309) 694-5324

Scholarships are offered through the Illinois Central College Educational Foundation, a nonprofit, tax-exempt organization established to support the College. The mission of the Illinois Central College Educational Foundation is two-fold:

- To assure access to higher education for our community – the Educational Foundation Scholarship Program seeks to ensure cost is not a barrier for individuals who seek a college education. Information about Foundation scholarships is available through the Financial Assistance Office, L211, or on the web at icc.edu/admissions/scholarships. Students can apply for scholarships via the website from January 15 through April 1 for the upcoming fall semester.
- To enhance the quality of education offered by ICC – the Educational Foundation enhances the quality of instruction at ICC by funding faculty/staff development, technology and equipment, and special projects of the college.

The Foundation accomplishes its mission by securing charitable contributions, forming partnerships with business and industry, and pursuing grant funding.

Special Academic Services

ICC Peoria, Arbor Hall • A102D • (309) 690-6881

Services are designed to assist career and technical education students in completing an associate in applied science degree or certificate program and enter the workforce immediately afterward. Financial assistance is available to purchase required books and supplies (students must meet financial need eligibility requirements). Financial support is also available to students enrolled in applied science programs that lead to a nontraditional career. Nontraditional careers are defined as occupations in which individuals from one gender comprise less than 25% of all the individuals employed in that occupation. Academic support services include study skills assistance, schedule planning, and tutoring for select programs at ICC.

Academic Policies and Requirements

Catalog of Record.....	31
Credit Hour	31
Multiple Associate Degrees/Certificates.....	31
Educational Rights and Responsibilities	31
Educational Guarantees	31
Grading System.....	32
Grade Point Average (GPA)	33
Class Attendance	33
Audit of Courses	33
Retaking Classes.....	33
Repeatable Classes	33
Grade Appeal Process.....	34
Grade Exclusion Policy.....	34
Academic Honors	35
Academic Standards	35
Intercollegiate Competition	35
Academic Misconduct.....	35

Catalog of Record

For any degree or certificate, students have five (5) years from the date they declare a program of study to complete the program requirements outlined in that specific catalog. Should appreciable changes to the degree or certificate requirements occur, students will need to meet the degree or certificate requirements in the current catalog at time of application for graduation. Students who have not met the degree or certificate requirements within five years will need to meet the requirements in effect at that time of application for graduation. A student who has not been enrolled for three consecutive semesters, excluding summer, must meet the catalog requirements in effect upon re-entry. Illinois Central College will consider granting permission to a graduate under a catalog more than five years old if the student has been enrolled continuously and the degree or certificate requirements have not changed appreciably. Requests for this exception should be directed to the dean/associate dean of the department for approval.

Credit Hour

Illinois Central College defines a credit hour as an amount of work represented in goals or intended learning outcomes, and verified by evidence of student achievement, that reasonably approximates not less than 50 minutes of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately 16 weeks for each credit hour earned.

Multiple Associate Degrees/Certificates

Although a student may earn multiple Associate in Applied Science degrees and/or Certificates, he/she may earn only one of each of the following degrees:

- Associate in Arts (AA)
- Associate in Science (AS)
- Associate in Engineering Science (AES)
- Associate in General Studies (AGS)

A student may not earn:

- An Associate in Arts (AA) degree after earning an Associate in Arts and Science degree (offered at ICC prior to 2010); or
- An Associate in General Studies (AGS) degree after earning any other degree.

Educational Rights and Responsibilities

Students have the same rights accorded all citizens, including the right to free, open, and responsible discussion and inquiry, and the right to a quality education in a program of study provided by competent instructors. It is the right of each student at Illinois Central College to:

- study any controversial issue with political, economic, or social significance and concern
- have free access to all relevant information, including materials which circulate freely in the community
- study under competent instructors in a healthy, responsive atmosphere free of bias and prejudice
- form and express personal opinions on controversial issues without jeopardizing their relationship with instructors or the College
- be treated fairly and with full respect
- be accorded the best efforts of instructors, including access through regular office hours.

In return, students are expected to conduct themselves as responsible members of the academic community. Disruption of the educational process and violation of the rights of others constitutes irresponsible behavior. Faculty members reserve the right to establish a classroom environment that is conducive to learning and equitable to all.

Specific responsibilities of Illinois Central College students include:

- attending classes regularly and explaining reasons for absences to instructors
- intelligent care of equipment and facilities used
- abiding by the expectations established in the course syllabus
- actions characterized by honesty
- refraining from:
 - giving false or misleading information to any College official or tampering with any College record
 - possessing or taking any narcotic, stimulant, or drug except as prescribed by a physician
 - giving, exchanging, or selling any drug to another person
 - possessing or consuming any alcoholic beverage on campus
 - giving, exchanging, or selling such beverages to another
 - using the College name or emblem in an unauthorized or unseemly manner.

Contrary actions such as plagiarism or giving unauthorized help on examinations, may result in disciplinary action ranging from a failing grade for the assignment or exam to dismissal from the College.

For more information see “Academic Misconduct.”

Students are responsible for knowing and abiding by all College regulations, together with federal, state, and local laws. These are enforced by appropriate civil, state, or College authorities. If students are in doubt about any particular matter, they should consult the Vice President of Student Services, East Peoria Campus, Room L221A.

Educational Guarantees

Illinois Central College guarantees the mastery of entry-level technical skills in Associate in Applied Science Degree and Occupational Certificate programs, and guarantees the transfer of courses toward the credit-hour requirements for a bachelor degree at a four-year institution. If judged by an employer to be lacking in technical skills, a graduate shall be provided a maximum of nine credit hours of additional skill training at Illinois Central College without tuition charge. If a course does not fulfill the transfer guarantee, the student may receive either a tuition refund for that course, or tuition-free enrollment in a course to correct the deficiency. This policy became effective for students enrolling in the fall of 1993 and subsequent semesters. Although tuition for approved courses will be waived, the student is responsible for any other costs associated with taking the courses. Listed below are the conditions for these guarantees. Contact the Academic Affairs Office, (309) 694-5784 or academicaffairs@icc.edu for more information.

Guarantee of Technical Competence

1. The student must be employed full time in a job directly related to his or her program of study within one year of graduation from the approved ICC program.
2. The employer must verify in writing within 90 days of the graduate's initial employment that the graduate lacks competency in specific technical skills as represented in the degree description and course syllabi.
3. The student must have graduated within five (5) years of initial enrollment in the program.
4. Prerequisites and other admission requirements for retraining courses must be met and are not included in the courses covered by this guarantee.
5. All retraining must be completed within two (2) calendar years after the claim is made.
6. The retraining will be limited to courses regularly offered by the College.
7. A written retraining plan must be developed by the employer, the graduate, and the appropriate instructional administrator, specifying the courses needed for retraining and the competencies to be mastered.
8. This guarantee does not imply that the graduate will pass any national, regional, and state board licensing or qualifying examination for a particular career.

Guarantee of Credit Transfer

1. During each semester at Illinois Central College, the student must meet with his/her assigned advisor to plan an appropriate course of study, based upon the requirements of the institution to which the student intends to transfer. Registration cards must be signed by the student's assigned advisor.
2. For the guarantee to be in effect, the student must receive an Associate in Arts Degree or an Associate in Science Degree from Illinois Central College.
3. Only courses designated "Transfer Credit" in the Illinois Central College Catalog are covered by the guarantee.
4. Within one year of graduation from Illinois Central College, the student must notify the Academic Affairs office, in writing, of the courses that did not properly transfer. Upon notification, Illinois Central College has up to 90 days to investigate and to resolve the problem with the transfer institution. After the 90 days, the College will provide a refund of the monies paid for tuition and any lab fees for courses which did not transfer, or tuition-free enrollment in courses to correct the deficiency if such courses are available. The choice between the refund or the tuition-free enrollment is the student's.

Grading System

Illinois Central College uses the following letter grades, definitions and grade point equivalent as its official grading system.

Grade	Definition	Per Credit Hour
A	Superior	4.00
B	Good	3.00
C	Average	2.00
D	Poor	1.00
F	Failing	0.00
FA	Attendance Failing	0.00
WF	Withdrawal Failing	0.00
FX	Grade Excluded	No grade point
I	Incomplete	No grade point
S	Successful	No grade point
U	Unsuccessful	No grade point
W	Withdrawal	No grade point
NG	No Grade	No grade point
NR	Not reported by instructor	No grade point
FA	The student has attended through the midterm of the class then ceases to attend for the duration of the term. The FA grade factors into the grade point average as a failing grade. To avoid the FA grade, students must officially withdraw.	
WF	Awarded to student who, without instructor approval, voluntarily withdraws from a class after the last day to withdraw without penalty. This grade will factor into the student's GPA as a grade of "F".	
FX	The student has met the requirements for grade exclusion. The grades with FX do not factor into the ICC grade point average. For complete details see the section on the Grade Exclusion Policy.	
I	Indicates the student has not completed requirements for the course. No grade points or credit hours will be given in a course or which the "I" grade was given. The student must complete all requirements for each course in which an incomplete grade has been received 90 days after final grades have been posted for that class(es); otherwise, the grade will be changed by Enrollment Services to an F. When the student has completed the requirements for a course within the allotted time, the incomplete grade will be changed on the permanent record to the appropriate letter-grade. Incomplete grades are given, by arrangement with the instructor, only when fully justified by serious circumstances (e.g., illness, accident, death or illness in the immediate family). Incomplete grades are not given for such reasons as unjustified failure to complete the required work by the end of the semester or failure to appear for the final examination.	
S	Used in courses numbered 001-039 or with a GEDPR or ESL prefix (except ESL 106). Indicates the student has fulfilled requirements as established for an individual course, but is not used in computing the student's GPA or college credit hours.	
U	Used in courses numbered 001-039 or with a GEDPR or ESL prefix (except ESL 106). Indicates the student has not fulfilled requirements as established for an individual course, and is not used in computing the student's GPA or college credit hours.	
NG	Indicates a Community Education non-credit activity which does not receive a grade or earn grade points.	
NR	No grade reported by instructor.	

Grade Point Average (GPA)

An important average for all students is their grade point average (GPA) which serves as a measure of academic achievement.

The number of grade points earned in a given course is calculated by multiplying the number of points assigned to the specific letter grade received in the class by the number of credit hours the course carries. Thus, a grade of B (3.00 grade points) in a course worth four credit hours would earn the student 12 (3 x 4) grade points.

A student's GPA for a given semester is computed by dividing the total number of credit hours attempted into the total number of grade points earned. **The division is carried out three places to the right of the decimal point.** An example is shown below:

Course	Credit Hours	Letter Grade	Points Earned
ENGL 110	3	B	9
PSY 110	3	C	6
BIOL 111	4	A	16
PHYED 130	1	B	3
HIST 111	4	B	12
Total	15		46

GPA = 46 divided by 15 = 3.066

Grade point averages are calculated at the conclusion of each semester. Courses with grades S, U, W, NG, and CR are not considered part of the total hours attempted for purposes of determining a student's GPA, but these grades are recorded on the student's academic record.

A SEMESTER GPA represents the average of grades for one semester, and a CUMULATIVE GPA reflects the average of grades for all courses taken at Illinois Central College. If courses taken at Illinois Central College are retaken at this institution according to specified retake procedures, both grades appear on the transcript but only the higher grade will be included in the GPA computation. Questions regarding GPA should be referred to Enrollment Services at the East Peoria Campus, L211, (309) 694-5581.

THIS POLICY DOES NOT PRECLUDE
ADMISSION/RE-ADMISSION REQUIREMENTS
IN OTHER COLLEGE ACADEMIC PROGRAMS.

Class Attendance

Regular attendance at all class meetings and laboratory sessions or active participation in online classes is expected of all students. Faculty members may establish attendance policies and/or makeup procedures for their classes. Faculty will ordinarily permit students to make up work missed due to College-sponsored activities, if prior notification of absence is given.

Some programs have established rigid attendance policies. For example, most health careers programs have exacting attendance policies, especially for clinical assignments. These are explained in materials distributed to program enrollees. It is the student's responsibility to be aware of attendance and participation policies and makeup procedures.

Excessive absence and lack of participation are among the most common causes of failing grades. As a College guideline, absences in excess of five (5) percent of total number of scheduled class meetings are considered excessive. For example, three absences in a class which meets twice per week would be considered excessive since

these absences represent more than five (5) percent of the class meetings.

In case of prolonged absences because of illness, accident, hospitalization, or family problems, students should notify the Vice President of Student Services Office or the Health Services Office so proper notification can be made to instructors. In addition, it is the responsibility of the student to contact the instructor about possible makeup work.

Audit of Courses

Many courses at ICC may be audited. A student that audits a course is a non-participating listener in a course and is not required to take tests or complete assignments. The student receives no grade or notation on a transcript relative to the audited course.

Registration for audit classes will be accepted beginning the week the class is scheduled to begin, provided space is available in the class.

Tuition for auditing a class will be the in-district rate.

Further information about which courses may be audited and procedures for registering may be obtained from departmental offices.

A student may not change class registration status from "audit" to "credit" or from "credit" to "audit."

Retaking Classes

Students may retake a class attempted at this institution for which they received a grade. Retaking of program-specific courses may require department approval prior to the student continuing in program of study. If a student retakes a class, all grades will remain on the transcript, but only the highest grade will be calculated in the Illinois Central College cumulative grade point average. Students receiving financial assistance should refer to the Retaking Coursework section on page 28 to determine how retakes will affect their eligibility. Questions regarding retaking classes should be directed to Enrollment Services, East Peoria Campus, L211.

Note: Students planning to transfer to another college are cautioned that many colleges include all grades earned to compute the transfer cumulative grade point average.

Repeatable Classes

Classes that are approved as repeatable for credit are marked as such in the "Course Descriptions" area of the Catalog. These classes are each listed individually on the official transcript with all credit hours counting towards graduation and being calculated into the Illinois Central College cumulative grade point average.

Grade Appeal Process

(Approved May 2015)

The Grade Appeal Process is designed to provide students and faculty with a fair and structured process to review a grade issue or discrepancy. Only final course grades may be appealed through this process.

The process, in brief, is explained in these steps:

Informal Appeal

1. Student must identify a grade issue/discrepancy and contact the instructor (in person or by email) to discuss the issue and a possible resolution. The contact must be within 15 business days from the scheduled course final exam date.
2. If the student does not receive a response from the faculty member within 10 business days, the student should contact the Department Dean/Associate Dean. The Dean/Associate Dean will notify the instructor of the grade issue.
3. The student and instructor may schedule a time to meet to discuss the grade issue or correspond by email or phone to determine if the issue can be resolved informally.

If the issue is not resolved through this process, the student can request a formal review. A student must complete the informal appeal process before moving to the formal process. If an extenuating circumstance exists that prevents this informal process, the student must contact the department dean/associate dean or the Vice President of Student Services.

Formal Appeal

A student must complete the informal appeal process before moving to the formal process.

4. The student must request a Grade Appeal form from the Vice President of Student Services (VPSS) office (East Peoria Campus – L221A.) The student must submit the Grade Appeal form, along with supplemental evidence to support the appeal. The form and supporting documents must be submitted to the academic department office within five (5) business days (except in extraordinary circumstances) of the completion of the informal process.
 - a. Upon receipt of the completed Grade Appeal form and supporting evidence, the academic department will schedule a meeting between the student, the course instructor, and the department dean/associate dean. The dean/associate dean will serve as the mediator for the meeting.
 - b. In situations involving an objection to a face-to-face meeting, the student or instructor can request to meet separately with the department dean/associate dean.
 - c. The department dean/associate dean will provide written notice of the resolution to both the student and instructor, via ICC email, within three (3) business days of the meeting.
5. If the issue is not resolved through step 4, the student may request a formal review by the Grade Appeal committee.
 - a. Within five (5) business days of receipt of the emailed resolution from department dean/associate dean, the request for the grade appeal review must be made through the Vice President of Student Services.
 - b. The Vice President of Student Services will notify the co-chairs of the Academic Standards Committee to convene the formal review by the Grade Appeal Committee.
 - c. The student and the faculty member are encouraged to provide a written summary and documented evidence supporting his or her position to the contact person above a minimum of two (2) business days in advance of the

scheduled date of the Grade Appeal Committee. Only written materials submitted in advance will be considered by the Grade Appeal Committee.

6. The Grade Appeal Committee is comprised of a subset of members from the Academic Standards committee. The Grade Appeal Committee will include a minimum of one (1) administrator and two (2) faculty members, with at least one faculty from the academic department from which the appeal originated. In the event an available academic department representative is not available, a designee from the Faculty Senate can be appointed.
7. The Grade Appeal Committee will review the documentation and make a determination regarding the appeal. The Grade Appeal Committee may request additional information as needed. The decision of this committee is final.

Grade Exclusion Policy

The grade exclusion policy at Illinois Central College provides a second chance for academic success to students who have failed courses that otherwise may make it difficult or impossible for them to pursue a degree or certificate.

In order to qualify for grade exclusion:

1. The student cannot have enrolled in graded, college-level courses at Illinois Central College or any other post-secondary education institution for four (4) consecutive semesters prior to application for grade exclusion (summer terms do not apply.) A student may apply at any time for exclusion after this time requirement has been met.
2. The student's cumulative grade point average must be less than 2.000 at the time of re-admission to the College.
3. Following re-admission, the student must complete a minimum of 15 approved consecutive credit hours in graded college-level courses (110 or above) with no grades of "D" or "F" or a GPA of at least 2.000 in each semester in which the 15 hours are attempted before exclusion will be granted.

Grade exclusion will only be granted once. A maximum of 16 hours of "F" grades earned in graded college-level courses at Illinois Central College will be excluded.

To qualify for grade exclusion, the student is required to meet with a designated academic advisor.

When eligibility requirements have been fulfilled and exclusion granted, the student's cumulative grade point average will be recalculated with "F" grades removed from the calculation. However, all grades, including those excluded, will continue to appear on the ICC academic transcript and will be counted as attempted hours for Financial Aid purposes. Students who plan to transfer to another institution should be aware that the receiving institution may use all of the grades that are excluded by ICC for calculation of the grade point average for admission review.

(Note: Excluded grades will be indicated by an FX.)

Application forms for grade exclusion may be obtained and submitted to any Enrollment Services office. All graduation items are processed through the Peoria Enrollment Services office, Arbor 2, Peoria Campus.

THIS POLICY DOES NOT PRECLUDE
ADMISSION/RE-ADMISSION REQUIREMENTS
IN OTHER COLLEGE ACADEMIC PROGRAMS.

Academic Honors

Full-time students who have completed 12 credit hours and have achieved a 4.00 grade point average (GPA) in a given semester are named to the President's List; those earning between 3.50 and 3.99 grade point averages are named to the Dean's List.

Part-time students who have completed 12 credit hours and are enrolled in no fewer than 6 hours are eligible for the President's List if they have achieved a 4.00 GPA and Dean's List recognition if the earned GPA is between 3.50 and 3.99.

Students will be accorded honors at the point of graduation* as follows:

- Certificate Honors: Students who earn a GPA of 3.5 or higher in certificates with 24 or more hours
- Degree Honors: Students who earn a degree have three levels of honors
 - Highest Honors: GPA of 4.0
 - High Honors: GPA of 3.75-3.99
 - Honors: GPA of 3.5-3.74

These honors will be noted on the academic transcript and on the diploma for all students graduating who have reached this criteria. These honors may also be recognized at commencement.

*Since final grades are not posted to student records until after the graduation ceremony, the previous semester's cumulative GPA may be used as the basis for special recognition at commencement.

Academic Standards

It is the purpose of Illinois Central College to provide educational opportunities to those who can benefit from continued educational experience; therefore, the following retention policies and processes are provided. Illinois Central College recognizes some students may have deficiencies in certain areas of preparation. As such, the College believes students who have been placed on academic caution, pre-suspension or suspension should be made aware of the consequences of these statuses and the resources available for the detection and possible correction of academic deficiencies. If at any time a student raises their cumulative GPA to a 2.000, they will be removed from the process and return to academic good standing.

Academic Caution

The purpose of academic caution is to alert students that their grades do not meet minimum requirements. A second and equally important purpose is to provide students an opportunity to plan corrective actions, which will hopefully lead to a more successful academic career. Information regarding academic advisement services is available in the Advisement and Counseling Services Office, located in the Leitch Career Center. Students on academic caution are restricted to a maximum enrollment of 13.99 credit hours. If a student's cumulative grade point average does not raise above a 2.000 within one semester, the student will be placed on academic pre-suspension.

Academic Pre-Suspension

Students on academic pre-suspension are restricted to a maximum enrollment of 7.99 credit hours. If a student on academic pre-suspension fails to meet the grade point standards after the above measures have been completed, the student will be placed on academic suspension.

Academic Suspension

A student that fails to meet the 2.000 grade point average after three (3) consecutive semesters will be placed on academic suspension from the College for one (1) semester. A student on suspension may re-enter after one (1) semester, but are required to meet with an academic advisor prior to registration. A suspended student re-admitted to the College must have a semester grade point average above a 2.000 to be allowed to enroll in the next semester. Students on academic suspension are restricted to a maximum enrollment of 6.99 credit hours.

Readmission

- If a suspended student is re-admitted to the College and their semester grade point average fails to meet the 2.000 requirement, the student will be suspended from Illinois Central College for one academic year.
- If a student does not enroll for 5 or more years they may appeal through the Dean of Students office to enroll in additional credit hours, regardless of their academic standing.

Intercollegiate Competition

A student is eligible to participate in a particular intercollegiate competition for a maximum of four (4) semesters providing he/she is in good academic standing. A student may not participate during any period when he/she is not in good academic standing, even if he/she meets the NJCAA eligibility requirements, unless approval is granted by the Vice President of Student Services. The minimum number of credit hours in which a student must be enrolled is determined by the organization governing the competition.

Academic Misconduct

Matters relating to academic honesty or contrary action such as cheating, plagiarism, or giving unauthorized help on examinations or assignments may result in an instructor giving a student a failing grade for the assignment, test, or for the course.

Based on the severity of the offense, the instructor may recommend failure for an assignment or failure for the course. Multiple instances of academic misconduct could include sanctions up to dismissal from the College.

A common form of academic dishonesty is plagiarism. This is the use (whether deliberate or unintentional) of an idea or phrase from another source without proper acknowledgment of that source. The risk of plagiarism can be avoided in written work by clearly indicating, either in footnotes or in the paper itself, the source of any other major or unique idea which the student could not or did not arrive at independently. These precise indications of sources must be given regardless of whether the material is quoted directly or paraphrased. Direct quotations, however brief, must be enclosed in quotation marks as well as being properly documented.

Another form of plagiarism is copying or obtaining information from another student. Submission of written work, such as laboratory reports, computer programs, or papers which have been copied from the work of other students, with or without their knowledge and consent, is plagiarism.

Obtaining an examination prior to its administration or use of unauthorized aides during the examination are clear acts of academic dishonesty. It is also academically dishonest to knowingly aid another student in performing an act of academic dishonesty. Thus, in cases of inappropriate collusion on academic work, the provider of

inappropriately used material is guilty of academic dishonesty, as well as the actual perpetrator.

Listed below are examples which may involve confusion on the student's part, especially freshmen who are accustomed to working on projects in laboratories with fellow students in high school.

1. Sharing information in the preparation of a report or paper, unless approved by instructor.
2. Turning in the same paper for two different courses with slight modification.
3. The illegitimate uses of written material such as laboratory reports and computer programs or the obtaining of information from other students while an examination is in progress.

In brief, any act which represents work not one's own as one's own is an academically dishonest act.

If a student is ever in doubt about an issue of academic dishonesty, or has any hesitation about a contemplated course of action, the student should consult his or her instructors. The penalties for academic dishonesty can be very severe and can affect the entire educational experience at Illinois Central College.

Procedures for Addressing Academic Misconduct

In cases where Academic Misconduct is suspected by an instructor or reported by another individual, the faculty member will gather the evidence and inform the dean/associate dean/program director.

Step 1: Faculty-Student Conference

The faculty member will inform the student privately of his/her findings and attempt a resolution of the problem. The associate dean, teaching chair, program director, or designee may be present in this conference if necessary. If the student refuses to attend the conference, the student may forfeit the opportunity for an appeal. Depending on the nature of the situation and the documented proof available, such resolution could include disciplinary sanctions, a failing grade for the assignment, or a failing grade for the course. The faculty member will provide the student the opportunity to address the findings. The faculty member will notify the student of his/her decision and will file the Academic Misconduct forms with the respective division and the Vice President of Student Services Office.

Step 2: Appeal Process

If a student is not satisfied with the instructor's decision, he/she may contact the dean of the department within 10 business days of the decision. The dean will review the information and will meet with the faculty member and then with the student to attempt to resolve the issue. If the student is not satisfied with the result of the appeal, he/she may petition the Academic Standards Committee for a review of the case. This appeal must be requested through the Vice President of Student Services Office in writing within 10 business days of the appeal decision from the dean. The decision of the Academic Standards Committee is final.

Step 3: Documentation of the Incident

All cases of academic misconduct are noted in a student's disciplinary file. This information is released in accordance with the Federal Educational Rights and Privacy Act (FERPA) and is not noted on the academic transcript. In situations where a second Academic Misconduct report is filed, the student will be charged with an alleged violation of the Student Code of Conduct. Code of Conduct

violations are addressed through the Dean of Students and could include sanctions up to and including expulsion from the College.

Additional Information:

Students who are given a failure on an assignment for Academic Misconduct will not be allowed to withdraw from that course without instructor permission. Students who are given a failure from the course for Academic Misconduct will not be allowed to withdraw from the course. Illinois Central College reserves the right to reinstate any individuals who are withdrawn in these situations.

Learning Opportunities

Institutional Learning Outcomes	38
Developmental Coursework.....	38
Degrees (Definition).....	38
Degree Requirements.....	39
General Requirements for Degrees	42
Specific Articulation Agreements	43
Math Sequence Chart.....	44
 Career and Technical Education Programs	 45
Associate in Applied Science Degrees/Certificates.....	46
Associate in General Studies Degree	121
 Transfer Degrees.....	 123
Associate in Arts Degrees.....	128
Associate in Science Degrees	172
Associate in Engineering Science Degree	188

Institutional Learning Outcomes

Developed with input from faculty, staff, and community stakeholders, the following Institutional Learning Outcomes (ILOs) reflect the broad-level knowledge, skills, behaviors, and attitudes that graduates should demonstrate as a result of their experiences at Illinois Central College. Such experiences may include general education courses, program courses, developmental courses, co-curricular activities, and extra-curricular activities, among others. ILOs help prepare our graduates to become productive members of society and life-long learners.

Communication

Statement of Intent: Associate degree graduates have the ability to transfer information, concepts, or emotions to an audience through written, oral, symbolic, aesthetic, and/or nonverbal communication methods that successfully align with their purpose.

Reasoning

Statement of Intent: Associate degree graduates identify and solve problems, analyze new information, synthesize and evaluate ideas, and transform ideas into a course of action by using critical, creative, and/or analytical skills.

Responsibility

Statement of Intent: Associate degree graduates understand the implications of choices and actions, demonstrate appropriate behaviors in academic/ professional contexts, and contribute constructively within the context of community.

Developmental Coursework

Developmental courses are designed to provide students with the basic skills needed to achieve success in college-level courses. Based on placement testing scores, student will be advised as to the most appropriate sequence of classes to attain their educational goals. Although students receive grades for developmental courses, those courses do not apply towards a degree or certificate. For information related to developmental coursework and Financial Assistance, refer to the Remedial Coursework section of the catalog.

Degrees (Definition)

Associate in Applied Science is a career-oriented degree preparing students for immediate employment and is awarded in a specific program of study. Although not designed as a transfer degree, some courses may fulfill Illinois Articulation Initiative's general education requirements, and some courses may transfer to four-year colleges and universities. Students should consult their departmental advisor for more information on these courses.

Associate in General Studies Degree allows individuals interested in acquiring a broad range of academic courses to suit their specific needs. While it is not designed as a transfer degree, some coursework may fulfill Illinois Articulation Initiative general requirements or transfer to a four-year college or university. Students who choose this option should work closely with their advisors to determine whether this option meets current and future needs.

Associate in Arts Degree is a baccalaureate-oriented transfer degree focused in the arts, humanities, social sciences, behavioral sciences, or professional fields with these study areas as a foundation. Degree completion may qualify the individual for junior standing at many four-year colleges and universities. ICC's Associate in Arts degree fulfills the Illinois Articulation Initiative's general education requirements. (For more information on the Illinois Articulation Initiative, see page 126.)

Associate in Science Degree is a baccalaureate-oriented transfer degree focused in life or physical sciences, or professional fields with these study areas as a foundation. Degree completion may qualify the individual for junior standing at many four-year colleges and universities. Students who complete the Associate in Science degree at ICC will need to complete additional requirements at ICC or the transfer institution in order to complete the Illinois Articulation Initiative's general education requirements. (For more information on the Illinois Articulation Initiative, see page 126.)

Associate in Engineering Science Degree is a baccalaureate-oriented degree for students pursuing engineering. This degree does not fulfill all Illinois Articulation Initiative general education requirements. The AES provides students with a greater number of credit hours in mathematics and sciences early in their academic career, which is the preferred course sequence for some colleges and universities. Students completing this degree may be expected to take additional general education requirements at their transfer schools. Students who choose this option should work closely with their Engineering advisor to assure a smooth transition from ICC to a four-year engineering program.

Degree Requirements

Associate in Applied Science Degree (AAS)

Specific Requirements

In addition to the General Requirements for a Degree listed in the current College Catalog, candidates for the Associate in Applied Science Degree must maintain an overall grade point average of 2.00 (C). All credits used to complete this degree must be labeled as "OC" or "TC". The student must also present an approved program with the minimum credit hours specified for the program, including the following general education requirements. All students must complete the specific degree requirements in effect for their degree according to the Catalog of Record listed in their academic records. For further information, see Catalog of Record on page 31.

- A. ENGLISH: (3 credit hours)
ENGL 110, 111, 116, 125, 201
- B. COMMUNICATION: (3 credit hours)
COMM 110 or 212, 113 or 3 additional credit hours in one of the following: ENGL 116, 125 or 201
- C. SOCIAL AND BEHAVIORAL SCIENCES: (3 credit hours)
 1. Economics: ECON 105, 110, 111
 2. Geography: GEOG 112, 116, 118, 200
 3. History: HIST 117, 118, 201, 202, 231
 4. International Studies: INTST 130, 134, 140
 5. Political Science: POLSC 115, 119, 120, 122, 124
 6. Psychology: PSY 110, 202, 210, 220
 7. Social Science: SSC 111
 8. Sociology: SOC 110, 114, 120, 213, 218, 219
- D. MATHEMATICS AND/OR LABORATORY SCIENCE (6 credit hours)
 1. Mathematics: The particular course prescribed in the specific Applied Science curriculum. Approved courses are:
AGBUS 118; BUS 120, MATH 106, RNRS 150
Any MATH above 100, except for the following: 230, 250
 2. Laboratory Science: The particular course prescribed in the Applied Science curriculum. Approved courses are:
AGRI 112, 201; ASEP 221; AUTO 115; CATTK 110; DPET 130; ELCTK 220; HORT 110
Any BIOL above 100, except for the following: 150, 230
Any CHEM above 100, except for the following: 113, 122, 131, 132, 210, 220, 230
ANY PHYS above 100, except for the following: 104, 121, 211, 212, 213, 214
ANY EASC or PHYSC above 100
- E. HUMANITIES AND FINE ARTS (3 credit hours)
 1. Art: ART 110, 142, 150, 151, 152
 2. Dance: DANCE 115
 3. Film: FILM 110, FILM 111
 4. Foreign Language: ARA 211; FR 211; ITAL 211; SPAN 211
 5. History: HIST 111, 112
 6. Humanities: HUMAN 123, 124, 125, 128, 129, 250
 7. International Studies: INTST 132, 133
 8. Literature: LIT 110, 111, 115, 117, 119, 120, 122, 124, 212, 213, 214, 215, 216, 230, 250, CHILD 231
 9. Mass Communication: MCOMM 224
 10. Music: MUS 148, 149, 150
 11. Philosophy: PHIL 110, 111, 112, 113, 114, 115, 116
 12. Theatre: THTRE 110 or 111
- F. Requirements of the specified curriculum in which the student is enrolled. Appropriate technical course substitutions may be approved by the appropriate dean.

Certificates

An Occupational Certificate is awarded to students who complete all the requirements for organized programs of more than a single course (3-4 credit hours) but fewer than fifty (50) credit hours total.

General Requirements for Occupational Certificates

To become eligible for a certificate a student must:

1. Complete all courses listed for the particular certificate. Appropriate technical course substitutions may be approved by the department dean/associate dean.
2. Complete at least thirty percent (30%) of the total program of study required for the certificate in residence at Illinois Central College.
3. Maintain a cumulative grade point average of 2.00 (C) in all courses required for the certificate. Individual courses may have additional grade requirements.
4. Fulfill all financial obligations to the college.
5. Submit an Application for Certificate by the deadline for the term in which they plan to graduate to ensure the timely award of the certificate.

October 1	December graduation deadline
March 1	May graduation deadline
June 1	July graduation deadline

A **Certificate of Participation** may be awarded for completion of single course programs of instruction and certain community service activities.

Associate in General Studies Degree (AGS)Specific Requirements

In addition to the General Requirements for a Degree listed in the current College Catalog, candidates for the Associate in General Studies Degree must complete the degree with an overall grade point average of 2.00 (C) for all courses counted towards graduation. Graduates must complete a minimum of 60 credit hours all labeled "TC" or "OC", including the following. All students must complete the specific degree requirements in effect for the AGS degree according to the Catalog of Record listed in their academic records. For further information, see Catalog of Record on page 31.

A. ENGLISH/COMMUNICATION: (6 credits hours, must include at least 3 credit hours of English)

1. English: ENGL 110, 111, 116, 125, 201
2. Communication: COMM 110 or 212, 113

B. SOCIAL AND BEHAVIORAL SCIENCES: (6 credit hours)

1. Economics: ECON 105, 110, 111
2. Geography: GEOG 112, 116, 118, 200
3. History: HIST 117, 118, 125, 201, 202, 231
4. International Studies: INTST 130, 134, 140
5. Political Science: POLSC 115, 119, 120, 122, 124
6. Psychology: PSY 110, 202, 210, 220
7. Social Science: SSC 111
8. Sociology: SOC 110, 114, 120, 213, 218, 219

C. MATHEMATICS: (3 credit hours)

AGBUS 118; BUS 120, MATH 106, RNRS 150

Any MATH above 100, except for the following: 230, 250

D. LABORATORY SCIENCE: (4 credit hours)

AGRI 112, 201; ASEP 221; AUTO 115; CATTK 110; DPET 130; ELCTK 220; HORT 110

Any BIOL above 100, except for the following: 150, 230

Any CHEM above 100, except for the following: 113, 122, 131, 132, 210, 220, 230

ANY PHYS above 100, except for the following: 104, 121, 211, 212, 213, 214

ANY EASC or PHYSC above 100

E. HUMANITIES AND FINE ARTS: (3 credit hours)

1. Art: ART 110, 142, 150, 151, 152
2. Dance: DANCE 115
3. Film: FILM 110, Film 111
4. Foreign Language: ARA 211; FR 211; ITAL 211; SPAN 211
5. History: HIST 111, 112
6. Humanities: HUMAN 123, 124, 125, 128, 129, 250
7. International Studies: INTST 132, 133
8. Literature: LIT 110, 111, 115, 117, 119, 120, 122, 124, 212, 213, 214, 215, 216, 230, 250, CHILD 231
9. Mass Communication: MCOMM 224
10. Music: MUS 148, 149, 150
11. Philosophy: PHIL 110, 111, 112, 113, 114, 115, 116
12. Theatre: THTRE 110, 111

Associate in Arts Degree (AA)Specific Requirements (Transfer Degree)

In addition to the General Requirements for Degrees listed in the current College Catalog, candidates for the Associate in Arts Degree must complete at least 60 credit hours of TRANSFER CREDIT (TC) courses including the General Education requirements listed below. Students must maintain an overall grade point average of 2.00 (C). See pages 126 and 127 of the current College Catalog for further IAI description. All students must complete the specific degree requirements in effect for the AA degree according to the Catalog of Record listed in their academic records. For further information, see Catalog of Record on page 31.

A. ENGLISH: (6 credit hours) ENGL 110 and 111; In order to fulfill this requirement, a student must receive a grade of "C" or better in each of the two courses.

B. COMMUNICATION: (3 credit hours) COMM 110 or COMM 212

C. SOCIAL AND BEHAVIORAL SCIENCES: (9 credit hours) These courses must be taken in at least two of the following disciplines:

1. Economics: ECON 110, 111
2. Geography: GEOG 112, 116, 118, 200
3. History/International Studies: HIST 117, 118, 201, 202, 231; INTST 130, 134
4. Political Science: POLSC 115, 119, 120, 122, 124
5. Psychology: PSY 110, 202, 210*, 220
6. Social Science: SSC 111 or INTST 140 (only one of these may satisfy IAI requirements)
7. Sociology: SOC 110, 114, 120, 213, 218*, 219

D. MATHEMATICS: (3 credit hours) MATH 110, 111 or 211, 122, 134, 135, 201, 222, 223, 224

E. PHYSICAL AND LIFE SCIENCES: (7 credit hours) At least one of these courses must be a Life Science and one must be a Physical Science. Also, at least one of these courses must contain a laboratory experience.

1. Life Sciences (3-4 credit hours) Biology: BIOL 110, 111, 114, 115, 150 (non-lab), 160 or 161, 250
2. Physical Sciences (3-4 credit hours)
Chemistry: CHEM 110, 113 (non-lab), 115, 120, 130
Earth Science: EASC 111, 116, 117 (non-lab), 118, 250
Physical Science: PHYSC 110, 114
Physics: PHYS 110, 120

F. HUMANITIES AND FINE ARTS: (9 credit hours) At least one of these courses must be a Humanities course and at least one must be a Fine Arts course. The third course may be taken from either group.

1. Humanities (3-6 credit hours)
Foreign Language: ARA 211 or FR 211 or ITAL 211 or SPAN 211
History: HIST 111, 112
Humanities/International Studies: HUMAN 123, 124 or 125, 129; INTST 132 or 133
Literature: LIT 110, 111, 115, 117, 119, 120, 122, 124, 212, 213, 214, 215, 216, 230, 250
Philosophy: PHIL 110, 111, 112, 115, 116
2. Fine Arts (3-6 credit hours)
Art: ART 110, 142, 150, 151, 152
Dance: DANCE 115
Film: FILM 110, FILM 111
Humanities: HUMAN 128, 250
Mass Communication: MCOMM 224
Music: MUS 148, 149, 150
Theatre: THTRE 110 or 111

*Either PSY 210 or SOC 218 satisfies IAI requirements

Updated courses will appear on ICC's website: www.icc.edu/catalog or see the IAI and ICC General Education Course Alignment (page 127). ICC's courses approved by the Illinois Articulation Initiative (IAI) are posted on the itransfer website: www.itransfer.org. While a foreign language is not required for graduation at ICC, students are strongly advised to check the requirements of the program at the college or university to which they intend to transfer.

Associate in Science Degree (AS)

Specific Requirements (Transfer Degree)

In addition to the General Requirements for Degrees listed in the current College Catalog, candidates for the Associate in Science Degree must complete at least 60 credit hours of TRANSFER CREDIT courses including the General Education requirements listed below. Students must maintain an overall grade point average of 2.00 (C). See pages 126 and 127 of the current College Catalog for further IAI description. All students must complete the specific degree requirements in effect for the AS degree according to the Catalog of Record listed in their academic records. For further information, see Catalog of Record on page 31.

- A. ENGLISH: (6 credit hours) ENGL 110 and 111; In order to fulfill this requirement, a student must receive a grade of "C" or better in each of the two courses.
- B. COMMUNICATION: (3 credit hours) COMM 110 or COMM 212
- C. SOCIAL AND BEHAVIORAL SCIENCES: (6 credit hours) Courses must be taken in at least two of the following disciplines:
 1. Economics: ECON 110, 111
 2. Geography: GEOG 112, 116, 118, 200
 3. History/International Studies: HIST 117, 118, 201, 202, 231; INTST 130, 134
 4. Political Science: POLSC 115, 119, 120, 122, 124
 5. Psychology: PSY 110, 202, 210*, 220
 6. Social Science: SSC 111 or INTST 140 (only one of these may satisfy IAI requirements)
 7. Sociology: SOC 110, 114, 120, 213, 218*, 219
- D. MATHEMATICS: (6-9 credit hours) At least one of these courses must be taken from Group I, and the others may be taken from either Group I or Group II. See chart on page 44.
 1. Group I (3-6 credit hours) MATH 110, 111 or 211, 122, 134, 135, 201, 222, 223, 224
 2. Group II (Transfer credit, but NOT IAI approved courses for General Education) MATH 115, 120, 124, 165, 190, 200, 230, 250
- E. PHYSICAL AND LIFE SCIENCES: (10-11 credit hours) Students must complete at least one Physical Science and one Life Science course from Group I. The other course can be taken from Group I or Group II. At least two courses must also contain a laboratory component.
 1. Group I: (7-8 credit hours)
 - Life Sciences:
 - Biology: BIOL 110, 111, 114, 115, 150 (non-lab), 160 or 161, 250
 - Physical Sciences:
 - Chemistry: CHEM 110, 113 (non-lab), 115, 120, 130
 - Earth Science: EASC 111, 116, 117 (non-lab), 118, 250
 - Physical Science: PHYSC 110, 114
 - Physics: PHYS 110, 120
 2. Group II: (3-4 credit hours) Any science course designated as Transfer Credit, but NOT IAI approved courses for General Education.
- F. HUMANITIES AND FINE ARTS: (6 credit hours) At least one of these courses must be a Humanities course and at least one must be a Fine Arts course.
 1. Humanities (3 credit hours)
 - Foreign Language: ARA 211 or FR 211 or ITAL 211 or SPAN 211
 - History: HIST 111, 112
 - Humanities/International Studies: HUMAN 123, 124 or 125, 129; INTST 132 or 133
 - Literature: LIT 110, 111, 115, 117, 119, 120, 122, 124, 212, 213, 214, 215, 216, 230, 250
 - Philosophy: PHIL 110, 111, 112, 115, 116
 2. Fine Arts (3 credit hours)
 - Art: ART 110, 142, 150, 151, 152
 - Dance: DANCE 115
 - Film: FILM 110, FILM 111
 - Humanities: HUMAN 128, 250
 - Mass Communication: MCOMM 224
 - Music: MUS 148, 149, 150
 - Theatre: THTRE 110 or 111

*Either PSY 210 or SOC 218 satisfies IAI requirements

Updated courses will appear on ICC's website: www.icc.edu/catalog or see the IAI and ICC General Education Course Alignment (page 127). ICC's courses approved by the Illinois Articulation Initiative (IAI) are posted on the itransfer website: www.itransfer.org. While a foreign language is not required for graduation at ICC, students are strongly advised to check the requirements of the program at the college or university to which they intend to transfer.

Associate in Engineering Science Degree (AES)

Specific Requirements

In addition to the General Requirements for a Degree listed in the current College Catalog, candidates for the Associate in Engineering Science Degree must complete at least 61 credit hours of TRANSFER CREDIT (TC) courses with the following requirements, maintaining an overall grade point average of 2.00. All students must complete the specific degree requirements in effect for the AES degree according to the Catalog of Record listed in their academic records. For further information, see Catalog of Record on page 31.

- A. ENGLISH/COMMUNICATION: (6 credit hours) ENGL 110 and 3 additional credit hours from ENGL 111, COMM 110 or COMM 212
- B. SOCIAL SCIENCE/HUMANITIES/FINE ARTS: (12 credit hours, a minimum of one course must be taken in a social science and a minimum of one course must be taken in the humanities/fine arts.)
 1. SOCIAL SCIENCE:
 - Economics: ECON 110, 111
 - Geography: GEOG 112, 116, 118, 200
 - History: HIST 117, 118, 201, 202, 231
 - International Studies: INTST 130, 134
 - Political Science: POLSC 115, 119, 120, 122, 124
 - Psychology: PSY 110, 202, 210*, 220
 - Social Science: SSC 111 or INTST 140 (only one of these may satisfy IAI requirements)
 - Sociology: SOC 110, 114, 120, 213, 218*, 219
 2. HUMANITIES/FINE ARTS
 - Art: ART 110, 142, 150, 151, 152
 - Dance: DANCE 115
 - Film: FILM 110, FILM 111
 - Foreign Language: ARA 211 or FR 211 or ITAL 211 or SPAN 211
 - History: HIST 111, 112
 - Humanities: HUMAN 123, 124 or 125, 128, 129, 250
 - International Studies: INTST 132 or 133
 - Literature: LIT 110, 111, 115, 117, 119, 120, 122, 124, 212, 213, 214, 215, 216, 230, 250
 - Mass Communication: MCOMM 224
 - Music: MUS 148, 149, 150
 - Philosophy: PHIL 110, 111, 112, 115, 116
 - Theatre: THTRE 110 or 111
- C. MATHEMATICS: (16 credit hours) MATH 222, 223, 224, 250. See chart on page 44.
- D. LABORATORY SCIENCES: (14 credit hours) CHEM 130, PHYS 211, 212, 213
- E. REQUIRED ENGINEERING COURSE: (1 credit hour) ENGR 110
- F. ENGINEERING ELECTIVES: (minimum 8 credit hours of any of the following)
 1. ENGR 113, 230, 240, 241, 242, 251, 252, 253
- G. MATHEMATICS, SCIENCE or ENGINEERING ELECTIVE(S): (minimum 4 credit hours of any of the following)
 1. BIOL 160 or 161
 2. CHEM 132, 220, 230
 3. MATH 230
 4. ENGR 113, 230, 240, 241, 242, 251, 252, 253
 5. PHYS 214

*Either PSY 210 or SOC 218 satisfies IAI requirements

Note: Students intending to transfer to Southern Illinois University or Northern Illinois University may benefit from obtaining the Associate in Science Degree. See an Engineering advisor for details. While a foreign language is not required for graduation at ICC, students are strongly advised to check the requirements of the program at the college or university to which they intend to transfer.

Degree-Specific Admission Requirements

Illinois Central College maintains an open-door, open-access policy with regard to general admission to the College. Although selected programs have established, and maintained, specific admission requirements, applicants will be admitted to the general programs of the College. Placement tests and academic advisement will be utilized to determine the appropriate courses in which students should enroll.

Associate in Arts Degree

Associate in Science Degree

Associate in Engineering Science Degree

All new full-time applicants who intend to enroll in the Associate in Arts Degree program, Associate in Science Degree program, or in the Associate in Engineering Science Degree program (the usual course of study for baccalaureate/transfer students planning to seek a bachelor degree) must submit not only an application but also high school transcripts (or GED scores) and ACT/SAT scores.

As a result of minimum standards established by the Illinois Board of Higher Education and Public Act 86-0954, it is recommended that applicants for the Associate in Arts Degree or Associate in Science Degree successfully complete at least 15 units of high school coursework from the following categories:

- 4 years of English, emphasizing written and oral communication and literature
- 3 years of college preparatory mathematics, including introductory through advanced algebra, geometry, or fundamentals of computer programming
- 2 years of social science
- 2 years of laboratory science
- 2 years of one foreign language, fine arts (art, music, theatre, or dance), or vocational education
- 2 years of elective coursework, including coursework in any of the categories above (excluding English)

These course-specific requirements are minimums. Some high school students should include coursework beyond the minimum in fields they may be considering for advanced study in a college or university. For example, students who think they want to pursue a degree in science or mathematics should take additional courses in mathematics and lab science in high school.

For applicants who do not meet one or more of the course-specified requirements above, ACT/SAT minimum sub-scores were established to determine whether high school equivalent knowledge and skills have been acquired: 20 for English, 20 for math, 20 for science, and 20 for social studies (on the reading sub-scores).

Students with a deficiency in one of the high-school-course areas may also satisfy the requirement by passing a college-level course in this area with a grade of C or higher, or by passing one of the following Illinois Central College courses:

- English requirement: ENGL 095 or ENGL 099
- Math requirement: MATH 098
- Science requirement: CHEM 094

Associate in Applied Science Degree Occupational Certificate

Requirements for admission to programs vary. For information on the requirements, see the specific program of study in this Catalog or consult with the department dean.

Associate in General Studies Degree

An applicant admissible to the College is admissible to this program.

Community Education

Students enrolled only in non-credit courses are assigned to this curriculum.

General Requirements for Degrees

Students must fulfill all requirements to be eligible for a degree.

1. Credit hours:

- Associate in Arts, Associate in Science degrees – complete a minimum of 60 transfer credit hours, including general education requirements; 15 of the final 30 credit hours must be earned at ICC.
- Associate in Engineering Science Degree – complete a minimum of 61 transfer credit hours; 15 of the final 30 credit hours must be earned at ICC.
- Associate in Applied Science Degree – complete the prescribed credit hours for a specific Associate in Applied Science degree program. At least 15 of the last 30 hours must be completed at ICC. Those 15 credit hours must be program courses from the second year of the program.
- Associate in General Studies – complete a minimum of 60 credit hours, including general education requirements; 15 of the final 30 credit hours must be earned at ICC.

Note: Illinois Central College does not accept partial credit for coursework completed at other colleges and universities. ICC will evaluate quarter hours earned at other colleges and universities for equivalent credit at ICC.

2. Maintain an overall grade point average (GPA) of 2.00 on a 4-point scale or a “C” average. All grades and hours of all courses attempted at ICC are used in calculating the student’s GPA. When a higher grade is earned in a repeated course where a student received a D or F, the D or F will be dropped from GPA calculation and the higher grade will be used. Individual courses or programs may have additional or higher GPA requirements.
3. Satisfactorily complete all specific degree requirements outlined by the College (see individual degree and/or program requirements.)
4. Fulfill all financial obligations to the College.
5. Submit an Application for Degree/Certificate for the desired graduation month/term:
 - December/Winter Graduation – due October 1
 - May/Spring Graduation – due March 1
 - Summer/July Graduation – due June 1

Note: Commencement ceremonies are only held in May. Students who received degrees in December and students anticipating receiving degrees in July may participate in the May ceremony.

Specific Articulation Agreements

In addition to the Illinois Articulation Initiative (IAI) with the state universities for students who complete transfer degrees at Illinois Central College, the College also has written agreements with several baccalaureate completion institutions. It is the transfer students' responsibility to ensure that all course requirements are met by communicating with the chosen four-year institution prior to transferring.

While not exhaustive, the following is a list of current transfer agreements. For more detailed information or an updated listing go online to: <http://icc.edu/students/transfer-assistance/> or call the Transfer Center at (309) 695-5330.

Bradley University

Website: bradley.edu
1501 W Bradley Ave
Peoria, IL 61625
(309) 676-7611

- Health Science
- Industrial Engineering
- Manufacturing Engineering

Capella University

Website: capella.edu
Capella Tower,
225 S 6th Street 9th Floor
Minneapolis, MN 55402
(844) 695-2435

Chamberlain College of Nursing

Website: chamberlain.edu
3005 Highland Pkwy
Downers Grove, IL 60515
(877) 751-5783

- Nursing - RN - BSN Completion Program

Eastern Illinois University

Website: eiu.edu
600 Lincoln Ave
Charleston, IL 61920
(217) 581-5000

- Nursing - RN - BSN Completion Program

Franklin University / Online Campus

Website: franklin.edu
201 South Grant Avenue
Columbus, OH 43215
(888) 341-6237

Indiana Wesleyan University

Website: indwes.edu
4201 S. Washington Street
Marion, IN 46953
(866) 468-6498

- Accounting
- Addictions Counseling
- Biblical Studies
- Business Administration
- Business Information Systems
- Criminal Justice
- General Studies

- Management
- Marketing
- Nursing - RN – BSN Completion Program

Illinois State University

Website: illinoisstate.edu
100 N University St
Normal, IL 61761

- Art Technology
- Graphic Communication
- Nursing - RN – BSN Completion Program

Lincoln College

Accelerated Bridge to Education (ABE)
Website: lincolncollege.edu
300 Keokuk Street,
Lincoln, IL 62656

- Bachelor of Applied Science –
Organizational Leadership
- Bachelor of Applied Management in Entrepreneurship
- Business Administration in Business Management
- Business Administration in Supply Chain/Logistics Management
- Criminal Justice Studies
- Health Services Administration

Methodist College

Website: methodistcol.edu
7600 N. Academic Dr.
Peoria, IL 61615
(309) 672-5513

- General Education transfer to Nursing
- Nursing - RN - BSN Completion Program

Midstate College

Website: midstate.edu
411 W Northmoor Rd
Peoria, IL 61614
(309) 692-4092

- Business Administration

Olivet Nazarene University

Website: olivet.edu
1 University Ave
Bourbonnais, IL 60914
(815) 939-5011

- Business Administration
- Management
- Nursing - RN - BSN Completion Program
- Pursue ONU - Nursing

Palmer College of Chiropractic

Website: palmer.edu
1000 Brady St
Davenport, IA 52803
(800) 722-2586

Saint Francis Medical Center College of Nursing

Website: sfmccn.edu
511 NE Greenleaf St
Peoria, IL 61603
(309) 655-2201

- General Education Transfer to Nursing
- Nursing - RN - BSN Completion Program

Southern Illinois University - Carbondale

Website: siu.edu
1263 Lincoln Drive
Carbondale, IL 62901

- Caterpillar Dealer Service Tech Training
- Manufacturing Engineering Technology

University of Illinois – Chicago

Website: uic.edu
1200 W Harrison Street
Chicago, IL 60607
(312) 996-7000

- Nursing - RN - BSN
- Completion Program

University of Illinois - Urbana/Champaign

Website: illinois.edu
Champaign, IL 61801

- ICC Pathway to Illinois

University of Illinois - Springfield

Website: uis.edu
One William Maxwell Ln
Springfield, IL 62703
(217) 206-6600

- Accountancy
- Business Administration
- Computer Science
- Criminal Justice
- Economics
- Environmental Studies
- Management
- Management Information Systems
- Political Science
- Social Work

University of Wisconsin – Stout

Website: uwstout.edu
712 Broadway St S
Menomonie, WI 54751
(715) 232-1122

- Graphic Communications

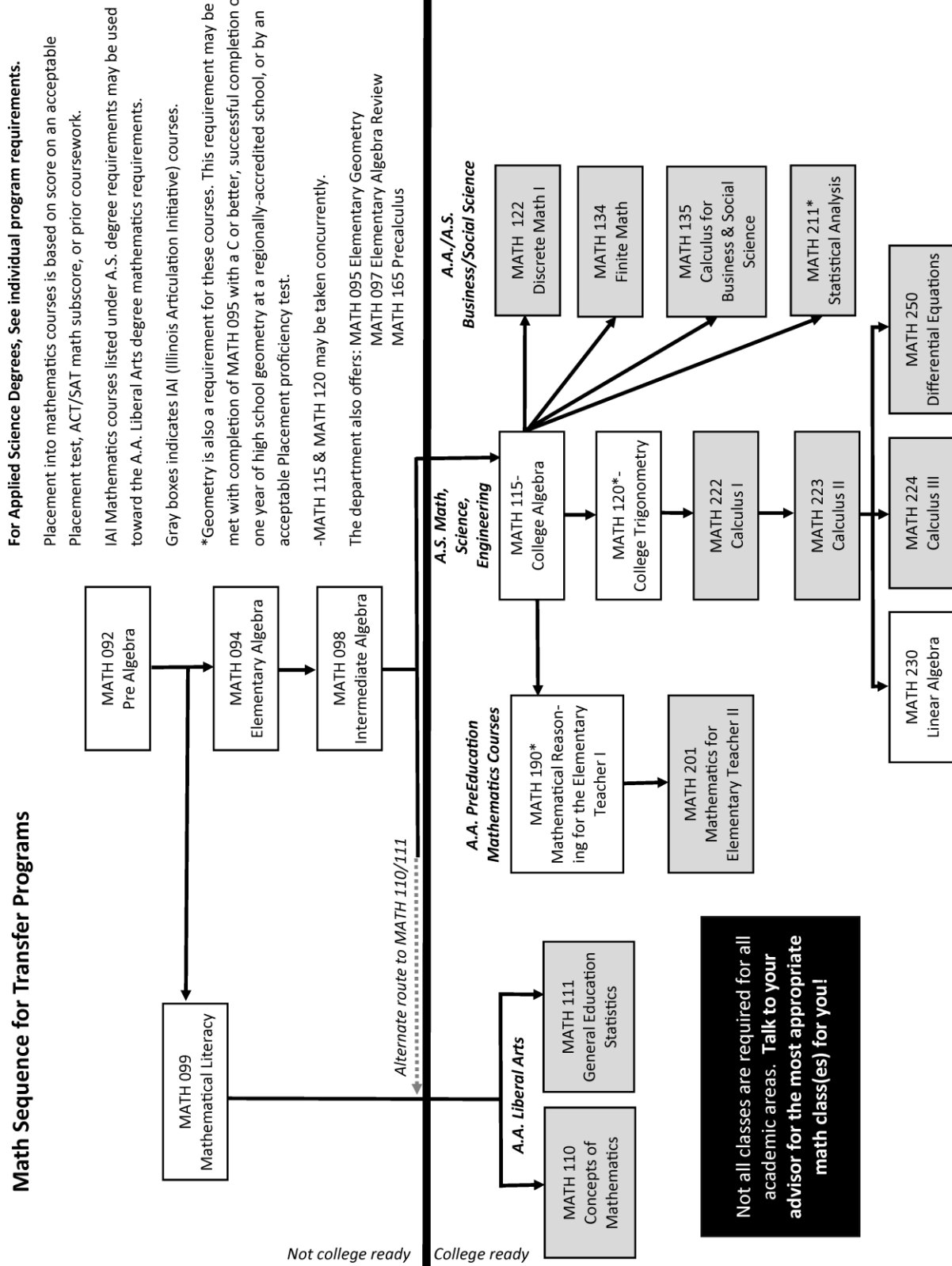
Western Illinois University

Website: wiu.edu
1 University Circle
Macomb, IL 61455
(309) 298- 1414

- Fire Administration
- Fire Science

Math Sequence Chart

Math Sequence for Transfer Programs



Updated 2017.01.24

Career and Technical Education

Applied Science Degrees

Certificates

Associate in General Studies Degree

Applied Science Degree and Certificate

The Associate in Applied Science degree is a career-oriented degree, preparing students for immediate employment, and is awarded in a specific program of study. Although not designed as a transfer degree, some courses may fulfill Illinois Articulation Initiative's general education requirements, and some courses may transfer to four-year colleges and universities. Students should consult their departmental advisor for more information on these courses.

An Occupational Certificate is awarded to students who complete all the requirements for organized programs of more than a single course (3-4 credit hours) but fewer than fifty (50) credit hours total. Requirements for admission to programs vary.

CAREER CLUSTERS

Agriculture, Food & Natural Resources	47
Architecture & Construction	52
Arts, A/V Technology & Communications	56
Business Management & Administration	59
Education & Training	62
Finance.....	66
Government & Public Administration	68
Health Science	69
Hospitality & Tourism.....	88
Human Services	91
Information Technology	94
Law, Public Safety, Corrections & Security	101
Manufacturing.....	105
Marketing.....	113
Science, Technology, Engineering & Mathematics.....	114
Transportation, Distribution & Logistics	115



Agriculture, Food & Natural Resources Career Cluster

*The production, processing, marketing, distribution, financing, and development
of agricultural commodities and resources including
food, fiber, wood products, natural resources, and horticulture*

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Agricultural Science and Technology	48
Associate in Applied Science	48
Agricultural Business Management-Precision Agriculture Certificate	48
Agricultural Production – Certificate	48
Diesel Powered Equipment Technology	49
Associate in Applied Science	49
Horticulture Landscape Management	50
Associate in Applied Science	50
Horticulture-Landscaping Certificate	50
Horticulture Turfgrass Management	51
Associate in Applied Science	51
Horticulture-Turfgrass Operations Certificate	51

For recommended courses in these transfer areas, see Transfer Degrees:

- Agriculture
- Dietetics

Agricultural Science and Technology

AAS Mission: The mission of the Agricultural Science and Technology degree program is to prepare students for employment in the agricultural industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and skills of the agricultural industry.

AAS Additional Information: This general agricultural science and technology degree enhances the student's ability to obtain a broad range of agricultural employment opportunities. Whether returning to a farm or working for an agricultural business, graduates of the program will have a good basic knowledge of modern agricultural production and business practices. The student will complete two internships on a farm and/or in an agricultural business during their sophomore year to gain additional practical experience.

Precision Agriculture Mission: The mission of the Agricultural Business Management-Precision Agriculture Certificate program is to prepare students for employment and/or for the pursuit of an Agricultural-Business Management Associate in Applied Science degree in the precision agricultural industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the precision agricultural industry.

Agricultural Production Mission: The mission of the Agricultural Production Certificate program is to prepare students for employment and/or for the pursuit of an Agricultural Business Management Associate in Applied Science degree in agricultural production by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the agricultural production industry.

Contact Information:

Agricultural and Industrial Technologies
AIT Building Room 118
(309) 694-5510 - AAS
(309) 694-5171 - Certs

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 60 to 65

GENERAL COURSES:	CR. HRS.
ENGL 110 COMPOSITION I	3
COMMUNICATION*	3
SOCIAL SCIENCE*	3
AGRI 112 BASIC SOILS	4
MATHEMATICS*	3
HUMANITIES*	3

PROGRAM COURSES:	CR. HRS.
AGBUS 111 ECONOMICS OF AGRICULTURE	3
AGBUS 112 AGRICULTURAL SALES	2
AGBUS 115 COMPUTER TECHNOLOGY IN AGRICULTURE	3
AGBUS 200 OCCUPATIONAL INTERNSHIP AND SEMINAR I	4
AGBUS 211 AGRI BUSINESS AND FINANCIAL MGMT	3
AGBUS 212 MARKETING AGRICULTURAL PRODUCTS	3
AGBUS 214 OCCUPATIONAL INTERNSHIP AND SEMINAR II	4
AGMEC 117 PRINCIPLES OF AGRICULTURAL MECHANICS	3
AGRI 113 PRINCIPLES OF SOIL FERTILITY	3
AGRI 201 CROP PRODUCTION	4
AGRI 203 INTEGRATED PEST MANAGEMENT	3
AGRICULTURAL SPECIALIZATION**	6-11

* See specific requirements for Associate in Applied Science Degree.

** Students who wish to specialize in:
Agricultural Business Management should complete: AGRI 111, AGRI 118, AGRI 121, AGRI 114 OR AGRI 221;
Agronomy should complete: AGRI 118, AGRI 121, AGRI 205, AGRI 221;
Precision Agriculture should complete: AGRI 121, AGRI 205, AGRI 221, AGRI 244;
Animal Sciences should complete: AGRI 111, AGRI 114, AGRI 235.

Recommended Course Sequence:

1st Semester: ENGL 110; AGBUS 111; AGRI 112; Math; Social Science
2nd Semester: AGRI 113; AGMEC 117; Humanities; Specialization course(s)
Summer Semester 1: AGRI 201; AGRI 203; AGRI 205 (if required)
3rd Semester: AGBUS 112; AGBUS 200; AGBUS 115; Communications; Specialization course(s)
4th Semester: AGBUS 211; AGBUS 212; AGBUS 214; AGRI 114 or AGRI 221 (as required)

Agricultural Business Management-Precision Agriculture Certificate

Total Credit Hours: 27

PROGRAM COURSES:	CR. HRS.
MATHEMATICS, COMMUNICATION, OR ENGLISH ELECTIVE*	3
AGBUS 115 COMPUTER TECHNOLOGY IN AGRICULTURE	3
AGRI 112 BASIC SOILS	4
AGRI 113 PRINCIPLES OF SOIL FERTILITY	3
AGRI 121 INTRODUCTION TO PRECISION AGRICULTURE	3
AGRI 201 CROP PRODUCTION	4
AGRI 203 INTEGRATED PEST MANAGEMENT	4
AGRI 221 APPLICATION OF GIS TECHNOLOGY FOR AGRICULTURE	3

* AGBUS 118 or MATH 110 or higher; COMM 110; ENGL 110, 116

Recommended Course Sequence:

1st Semester: AGRI 112; AGRI 121; AGBUS 115
2nd Semester: AGRI 113; AGRI 221; Math, Comm, or English Elective
Summer Semester 1: AGRI 201; AGRI 203

Agricultural Production – Certificate

Total Credit Hours: 27

PROGRAM COURSES:	CR. HRS.
MATHEMATICS, COMMUNICATION, OR ENGLISH ELECTIVE*	3
AGRI 112 BASIC SOILS	4
AGRI 113 PRINCIPLES OF SOIL FERTILITY	3
AGRI 201 CROP PRODUCTION	4
AGRI 203 INTEGRATED PEST MANAGEMENT	4

ELECTIVE COURSES:	CR. HRS.
APPROVED ELECTIVES**	9

* AGBUS 118 or MATH 110 or higher; COMM 110, ENGL 110 or 116.

** Approved electives: AGBUS 110 or 111; AGBUS 112, 115, 211, 212; AGRI 110, 111, 114, 118 121, 221; AGMEC 117.

Recommended Course Sequence:

1st Semester: AGRI 112; Math, Comm, or English Elective; Approved Elective
2nd Semester: AGRI 113; Approved Elective
Summer Semester 1: AGRI 201; AGRI 203

The student is encouraged to select electives that will provide additional expertise in business, marketing and sales, crop production, or livestock production.

Diesel Powered Equipment Technology

AAS Mission: The mission of the Diesel Powered Equipment Technology Associate in Applied Science degree program is to provide the training necessary to maintain, service, and diagnose system failures as applied to agricultural equipment, construction equipment, and heavy truck. The program actively encourages students to expand their horizons to permit upward mobility through general education courses and other related learning experiences such as those associated with the student club organization. The program also places a strong emphasis on developing and expanding the student's work ethic so that the student is fully prepared as an entry-level service technician.

Admission to the Program: High school graduate or equivalent. Candidate applications are screened. Acceptance into the program is based on the caliber of competing applications and departmental approval. Applicants must submit separate application materials for the DPET Program to the Program Coordinator. Applicants must schedule an on-campus meeting with the Program Coordinator. Application forms, procedures and policies are available from the Program Coordinator at the DPET Building by calling (309)694-5582 or (309)694-5616, or online at icc.edu. Students enter the program during the fall semester only. Deadline dates for complete applications are December 1, and April 1 to be considered for the following fall semester. Applications received after April 1 will be considered, should openings occur prior to the start of fall semester. High School Recommendations: 3 years English, 2 years mathematics, agriculture mechanics and/or auto mechanics, welding, agriculture course work.

To Remain in and Graduate from the Program:

To remain in and graduate from the program: "C" or better in all required general education and DPET program courses and pass a substance abuse screening.

Contact Information:

Agricultural and Industrial Technologies
AIT Building Room 118
(309)694-5582 or (309)694-5616

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 70

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
	COMMUNICATION*	3
	SOCIAL SCIENCE*	3
AGBUS 118	AGRICULTURAL COMPUTATIONS	3
DPET 130	PRINCIPLES OF INTERNAL COMBUSTION ENGINES	4
	HUMANITIES*	3
PROGRAM COURSES:		CR. HRS.
DPET 132	ELECTRICAL SYSTEMS OF HEAVY EQUIPMENT	3
DPET 133	ENGINE REBUILDING, THEORY AND PRACTICE	3
DPET 134	AIR CONDITIONING OF HEAVY EQUIPMENT	3
DPET 229	HYDRAULICS	3
DPET 230	HARVESTING EQUIPMENT	2
DPET 231	PLANTING AND TILLAGE EQUIPMENT	2
DPET 232	TRANSMISSIONS AND FINAL DRIVE	3
DPET 233	OCCUPATIONAL INTERNSHIP AND SEMINAR I	3
DPET 235	ELECTRONIC CONTROLS/ MONITORING SYSTEMS	3
DPET 236	HYDRAULIC SYSTEM ANALYSIS AND REPAIRS	3
DPET 238	OCCUPATIONAL INTERNSHIP AND SEMINAR II	3
DPET 239	TRUCK POWER TRAINS	3
DPET 241	MECHANICAL DIESEL FUEL SYSTEMS	3
DPET 242	ELECTRONIC FUEL SYSTEMS	3
DPET 243	ENGINE PERFORMANCE ANALYSIS	2
DPET 244	GUIDANCE SYSTEMS	2
DPET 245	TRUCK SUSPENSION, BRAKES AND CHASSIS	3
DPET 246	INDUSTRY QUALIFICATIONS	2
WELD 120	WELDING	2

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: DPET 132; DPET 130; DPET 229; AGBUS 118; ENGL 110

2nd Semester: DPET 133; DPET 241; DPET 235; Communication; Social Science

Summer Semester 1: DPET 230; DPET 231; DPET 232; DPET 134

3rd Semester: DPET 233; DPET 245; DPET 246; DPET 242; DPET 244 ;WELD 120

4th Semester: DPET 236; DPET 238; DPET 239; DPET 243; Humanities

Additional Information: Students complete two, eight-week internships during the sophomore year of training. Technical training reflects the technology represented by the agricultural equipment, construction equipment, and heavy truck industries. The graduate's salary will directly commensurate with the service professional's academic performance, work ethic, and motivation. Graduates have the opportunity to transfer to a four-year university. Students must be enrolled as full-time students and complete the required coursework in the prescribed sequence. Students must provide their own tools for use throughout the course of study.

Horticulture Landscape Management

AAS Mission: The mission of the Horticulture-Landscape Management Associate in Applied Science degree program is to prepare students for employment in the landscape management industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the landscape industry.

AAS Accreditation: National accreditation by the National Association of Landscape Professionals (NALP).

AAS Additional Information: Graduates of the program will demonstrate specific knowledge and proficiency in landscape plants, pruning, garden flowers, plant disease and insect control, soil fertility, horticultural business management, irrigation and landscape design and construction. The student will complete an internship with a landscape company during the sophomore year. With this degree, students may find employment in: landscaping firms; botanical gardens; grounds management firms; garden and lawn sales; lawn care firms; nurseries; irrigation.

Certificate Mission: The mission of the Horticulture-Landscaping certificate program is to prepare students for employment or the pursuit of a Horticulture Landscape Management Associate in Applied Science degree in the landscaping industry by educating them in the fundamental concepts, knowledge, and hands-on techniques, and skills of the landscape industry.

Contact Information:

Agricultural and Industrial Technologies
AIT Building Room 118
(309) 694-8446

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Associate in Applied Science

Total Credit Hours: 62

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
	COMMUNICATION*	3
	SOCIAL SCIENCE*	3
AGRI 112	BASIC SOILS	4
	MATHEMATICS*	3
	HUMANITIES*	3

PROGRAM COURSES:		CR. HRS.
AGRI 113	PRINCIPLES OF SOIL FERTILITY	3
HORT 110	INTRODUCTION TO HORTICULTURAL PLANTS	4
HORT 114	INTRODUCTION TO TURFGRASS MGMT	3
HORT 124	LANDSCAPE CONSTRUCTION	3
HORT 126	LANDSCAPE ESTABLISHMENT AND MANAGEMENT	3
HORT 130	WOODY PLANT ID	3
HORT 132	PLANT PROBLEM DIAGNOSIS AND MANAGEMENT	3
HORT 213	LANDSCAPE LAYOUT AND DESIGN	3
HORT 214	HORTICULTURAL MECHANICS	3
HORT 218	LANDSCAPE ESTIMATION AND CONTRACTS	2
HORT 226	OCCUPATIONAL INTERNSHIP AND SEMINAR	3
HORT 229	HORTICULTURE BUSINESS MANAGEMENT	3
HORT 237	GARDEN FLOWERS	3
HORT 238	WINTER IDENTIFICATION OF DECIDUOUS PLANTS	1
HORT 241	INTRODUCTION TO COMPUTERIZED LANDSCAPE DESIGN	2
HORT 250	HORTICULTURE CAREER PREPARATION AND SEMINAR	1

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: ENGL 110; Math; AGRI 112; HORT 110; HORT 114

2nd Semester: Communication; Social Science; AGRI 113; HORT 124; HORT 126
Summer Semester 1: HORT132; HORT 237

3rd Semester: Humanities; HORT 130; HORT 213; HORT 214; HORT 238; HORT 241

4th Semester: HORT 218; HORT 226; HORT 229; HORT 250

Horticulture-Landscaping Certificate

Total Credit Hours: 28 to 29

PROGRAM COURSES:		CR. HRS.
	MATHEMATICS*	3
AGRI 113	PRINCIPLES OF SOIL FERTILITY	3
HORT 110	INTRODUCTION TO HORTICULTURAL PLANTS	4
HORT 114	INTRODUCTION TO TURFGRASS MGMT	3
HORT 124	LANDSCAPE CONSTRUCTION	3
HORT 126	LANDSCAPE ESTABLISHMENT AND MANAGEMENT	3
HORT 130	WOODY PLANT ID	3
HORT 132	PLANT PROBLEM DIAGNOSIS AND MANAGEMENT	3

ELECTIVE COURSES:		CR. HRS.
	APPROVED ELECTIVES**	3-4

* AGBUS 118; MATH 106, MATH 110 or higher, except for the following: 230, 250

** Approved electives: AGRI 112; HORT 210; HORT 214

Recommended Course Sequence:

1st Semester: Math; HORT 110; HORT 114; HORT 130; Approved Electives

2nd Semester: AGRI 113; HORT 124; HORT 126; Approved Electives

Summer Semester 1: HORT 132

Additional Certification Info: Students may apply credit earned toward the Horticulture Landscape Management Associate in Applied Science degree program. With this certificate, students may find employment in: landscaping firms, grounds management firms, lawn care firms, or nurseries.

Horticulture Turfgrass Management

AAS Mission: The Mission of the Horticulture Turfgrass Management Associate in Applied Science Degree program is to prepare students for employment in the turfgrass management industry by educating them in the fundamental concepts, knowledge, hands-on techniques and skills of the turfgrass industry.

AAS Accreditation: National accreditation by the National Association of Landscape Professionals (NALP).

AAS Career Opportunities:

With this degree, you may find employment in:

- Turf management firms
- Parks
- Businesses and corporations
- Lawn care firms
- Outdoor sports arenas
- Golf courses

Certificate Mission: The mission of the Horticulture-Turfgrass Operations certificate program is to prepare students for employment or for the pursuit of a Horticulture Turfgrass Management Associate in Applied Science degree in the turfgrass industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and skills of the turfgrass industry.

Contact Information:

Agricultural and Industrial Technologies
AIT Building Room 118
(309) 694-8446

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Associate in Applied Science

Total Credit Hours: 62

GENERAL COURSES:	CR. HRS.
ENGL 110 COMPOSITION I	3
COMMUNICATION*	3
SOCIAL SCIENCE*	3
AGRI 112 BASIC SOILS	4
MATHEMATICS*	3
HUMANITIES*	3

PROGRAM COURSES:	CR. HRS.
AGRI 113 PRINCIPLES OF SOIL FERTILITY	3
HORT 110 INTRODUCTION TO HORTICULTURAL PLANTS	4
HORT 114 INTRODUCTION TO TURFGRASS MGMT	3
HORT 124 LANDSCAPE CONSTRUCTION	3
HORT 126 LANDSCAPE ESTABLISHMENT AND MANAGEMENT	3
HORT 130 WOODY PLANT ID	3
HORT 132 PLANT PROBLEM DIAGNOSIS AND MANAGEMENT	3
HORT 213 LANDSCAPE LAYOUT AND DESIGN	3
HORT 214 HORTICULTURAL MECHANICS	3
HORT 216 IRRIGATION SYSTEMS	2
HORT 218 LANDSCAPE ESTIMATION AND CONTRACTS	2
HORT 226 OCCUPATIONAL INTERNSHIP AND SEMINAR	3
HORT 229 HORTICULTURE BUSINESS MANAGEMENT	3
HORT 235 ADVANCED TURF MANAGEMENT I	2
HORT 246 ADVANCED TURF MANAGEMENT II	3

* See specific requirements for Associate in Applied Science Degree.

** AGBUS 118; MATH 106, MATH 110 or higher, except for the following: 230, 250

Recommended Course Sequence:

1st Semester: ENGL 110; Math; AGRI 112; HORT 110; HORT 114

2nd Semester: Communication; AGRI 113; HORT 124; HORT 126; HORT 235

Summer Semester 1: HORT132; HORT 246

3rd Semester: Humanities; Social Science; HORT 130; HORT 213; HORT 214

4th Semester: HORT 216; HORT 218; HORT 226; HORT 229

Horticulture-Turfgrass Operations Certificate

Total Credit Hours: 28 to 30

PROGRAM COURSES:	CR. HRS.
MATHEMATICS*	3
AGRI 112 BASIC SOILS	4
AGRI 113 PRINCIPLES OF SOIL FERTILITY	3
HORT 110 INTRODUCTION TO HORTICULTURAL PLANTS	4
HORT 114 INTRODUCTION TO TURFGRASS MGMT	3
HORT 126 LANDSCAPE ESTABLISHMENT AND MANAGEMENT	3
HORT 214 HORTICULTURAL MECHANICS	3
HORT 235 ADVANCED TURF MANAGEMENT I	2

ELECTIVE COURSES:	CR. HRS.
APPROVED ELECTIVES**	3-5

* AGBUS 118; MATH 106, MATH 110 or higher except for the following: 230, 250

** Approved electives: HORT 132, 216, 218, 236

Recommended Course Sequence:

1st Semester: Math; AGRI 112, HORT 110; HORT 114; HORT 214

2nd Semester: AGRI 113; HORT 126; HORT 235; Approved Electives

Summer Semester 1: Approved Electives

Additional Certification Info: Students may apply credit earned toward the Horticulture Turfgrass Management Associate in Applied Science degree program. With this certificate, students may find employment in: turf management firms; parks; businesses and corporations; lawn care firms; golf courses; outdoor sports arenas.



Architecture & Construction Career Cluster

*Careers in designing, planning, managing, building
and maintaining the built environment*

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Home Performance Technology	53
Associate in Applied Science	53
Home Performance Technician Certificate	53
HVAC/R Technology	54
Associate in Applied Science	54
HVAC Residential Installer Certificate	55
HVAC Technician Certificate	55
Commercial Refrigeration Technician Certificate	55

For recommended courses in these transfer areas, see Transfer Degrees:

- Architecture

Home Performance Technology

AAS Mission: The mission of the Home Performance Technology Associate in Applied Science degree program is to provide the student with the knowledge to work in the built environment. The student will learn about the continuously evolving sustainability/green industries and how to assist homeowners and building owners reduce their environmental footprint and to ensure a safe and healthy indoor environment. After completing this program, graduates will be able to work in entry-level positions for home performance contractors such as: weatherization technician, insulation technician, energy auditor/rater, indoor air quality technician, start-up HVAC technician, and/or HVAC designer in residential and light commercial buildings.

Certificate Mission: The mission of the Home Performance Technician Certificate program is to provide the student with the knowledge and skills necessary to work in the home performance industry with the primary focus on reducing energy consumption and ensuring a safe/healthy indoor environment (IEQ) in residential and light commercial construction. The student will become aware and proficient in the evolving sustainability/green industries associated with mechanical, electrical, and plumbing (MEP) and other careers pertaining to the built environment.

Program Admission: There are no additional admission requirements beyond the general college requirements. However, students are encouraged to contact the Home Performance Technology Program Director at (309) 694-8566 or (309) 694-5734, for a program orientation.

Students must provide the following items: safety glasses with side shields, work gloves, basic scientific calculator, and thumb drive.

To Remain in and Graduate from These Programs:

Students must attain a grade of "C" or better in each course to remain in and graduate from the program.

Contact Information:

Agricultural and Industrial Technologies
Dirksen Building, Room 09
(309) 694-8566

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 61 to 62

GENERAL COURSES:	CR. HRS.
ENGLISH*	3
COMMUNICATION*	3
SOCIAL SCIENCE*	3
MATHEMATICS*	3-4
LABORATORY SCIENCE/ MATHEMATICS*	4
HUMANITIES*	3

PROGRAM COURSES:	CR. HRS.
ARCTK 119 BLUEPRINT READING - CONSTRUCTION	1
HPT 110 INTRO TO GREEN BUILDING NEEDS	3
HPT 120 INTRODUCTION TO BUILDING ENERGY ANALYSIS	3
HPT 140 INDOOR AIR QUALITY AND VENTILATION	3
HPT 150 BUILDING ENVELOPE EVALUATION	3
HPT 155 HOME PERFORMANCE PROJECT	3
REACT 110 INTRODUCTION TO REFRIGERATION	4
REACT 118 ELECTRICITY AS IT APPLIES TO HVAC/R	4
REACT 120 RESIDENTIAL FURNACES	4
REACT 220 BALANCING AND TESTING HVAC SYSTEMS	2
REACT 237 OCCUPATION INTERNSHIP I	1
REACT 238 OCCUPATION INTERNSHIP II	1
REACT 213 RESIDENTIAL EQUIPMENT DESIGN II	3
REACT 211 RESIDENTIAL EQUIPMENT DESIGN I	3
REACT 122 RESIDENTIAL HYDRONIC SYSTEMS	4

* Recommended general education courses: ENGL 125 or 201; ECON 111 or HIST 201; MATH 106 or higher; PHYS 110 or EASC 111; COMM 110

Recommended Course Sequence:

1st Semester: HPT 110, HPT 120, REACT 110, REACT 118

2nd Semester: HPT 140, HPT 150, REACT 120, MATHEMATICS

Summer Semester 1: HPT 155, HUMANITIES, ARCTK 119

3rd Semester: REACT 211, REACT 122, REACT 237 LABORATORY SCIENCE/MATHEMATICS, SOCIAL SCIENCE

4th Semester: REACT 213, REACT 220, REACT 238, ENGLISH, COMMUNICATION

Home Performance Technician Certificate

Total Credit Hours: 28

PROGRAM COURSES:	CR. HRS.
ARCTK 119 BLUEPRINT READING - CONSTRUCTION	1
HPT 110 INTRO TO SUSTAINABLE CONSTRUCTION	3
HPT 120 INTRO TO BUILDING ENERGY ANALYSIS	3
HPT 140 INDOOR AIR QUALITY AND VENTILATION	3
HPT 150 BUILDING ENVELOPE EVALUATION	3
HPT 155 HOME PERFORMANCE PROJECT	3
REACT 110 INTRODUCTION TO REFRIGERATION	4
REACT 118 ELECTRICITY AS IT APPLIES TO HVAC/R	4
REACT 120 RESIDENTIAL FURNACES	4

Recommended Course Sequence:

1st Semester: HPT 110, HPT 120, REACT 110, REACT 118

2nd Semester: HPT 140, HPT 150, REACT 120

Summer Semester 1: HPT 155, ARCTK 119

Additional Certificate Info: After completing this certificate program, graduates will be able to work as an entry-level weatherization technician, insulation technician, residential energy auditor/rater, or continue to pursue the Home Performance Technology Associate in Applied Science Degree

Additional Program Info: These programs are designed for those who are new to the various careers in the built environment. However, there is an opportunity for students with documented previous experience/credentials to obtain program credit by demonstrating prior knowledge.

Students may also choose to pursue one of the other certifications/degrees pertaining to the built environment that are available at Illinois Central College, such as, Architecture, Commercial Refrigeration Technician, Home Performance Technology, HVAC Residential Installer, HVAC Technician Certificate, HVAC/R Technology

HVAC/R Technology

AAS Mission: The mission of the Heating, Air Conditioning, and Refrigeration Technology Associate in Applied Science degree program is to provide students with the knowledge and skills pertaining to the maintenance, repairing, and designing of residential heating, cooling, and commercial refrigeration systems. After completing this program consisting of extensive laboratory as well as lecture-based coursework, graduates will be able to work as entry-level technicians in the following job classifications: heating, air conditioning, and refrigeration mechanics, sheet metal duct installers, residential heating and air conditioning installers and startup technicians, and general facilities repair persons.

Additional Degree Info: Although this program is not intended to be transferable to a four-year college, many of the courses will transfer into the HVAC/R Engineering Technology and Energy Management Bachelor of Science Degree at Ferris State University.

Contact Information:

Agricultural and Industrial Technologies
Dirksen Building, Room 09
(309)694-8566

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Related HVAC Certificates can be found on the next page.

Associate in Applied Science

Total Credit Hours: 69 to 70

GENERAL COURSES:		CR. HRS.
ENGLISH*		3
COMMUNICATION*		3
SOCIAL SCIENCE*		3
MATHEMATICS*		3-4
LABORATORY SCIENCE/ MATHEMATICS*		4
HUMANITIES*		3
PROGRAM COURSES:		CR. HRS.
ARCTK 119	BLUEPRINT READING - CONSTRUCTION	1
ELCTK 111	RESIDENTIAL AND COMMERCIAL WIRING	2
REACT 110	INTRODUCTION TO REFRIGERATION	4
REACT 112	RESIDENTIAL AIR CONDITIONING	4
REACT 118	ELECTRICITY AS IT APPLIES TO HVAC/R	4
REACT 119	SHEET METAL FOR HVAC/R	2
REACT 120	RESIDENTIAL FURNACES	4
REACT 121	HEAT PUMPS AND GEOTHERMAL	4
REACT 122	RESIDENTIAL HYDRONIC SYSTEMS	4
REACT 130	LIGHT COMMERCIAL REFRIGERATION	4
REACT 131	COMMERCIAL REFRIGERATION AND ICE MACHINES	4
REACT 139	RESIDENTIAL SYSTEMS INSTALLATION	1
REACT 211	RESIDENTIAL EQUIPMENT DESIGN I	3
REACT 213	RESIDENTIAL EQUIPMENT DESIGN II	3
REACT 219	DUCT FABRICATION	2
REACT 220	BALANCING AND TESTING HVAC SYSTEMS	2
REACT 237	OCCUPATION INTERNSHIP I	1
REACT 238	OCCUPATION INTERNSHIP II	1

* Recommended general education courses: HUMAN 124; ECON 110; PSY 110; HIST 201; MATH 106 or MATH 115; PHYS 110; ENGL 125; COMM 110.

Recommended Course Sequence:

1st Semester: REACT 110; REACT 118; REACT 119; REACT 120; REACT 112; ARCTK 119

2nd Semester: REACT 139; REACT 121; REACT 130; REACT 122; REACT 131; ELCTK 111

3rd Semester: REACT 211; REACT 219; REACT 237; Social Science; Math; English

4th Semester: REACT 213; REACT 238; REACT 220; Communication; Lab Science/Math; Humanities

The following information applies to HVAC degree and all certificates.

Students must provide the following items: safety glasses with side shields, work gloves, basic scientific calculator, and thumb drive.

Program Admission: There are no additional admission requirements beyond the general college requirements. However, students are encouraged to contact the HVAC/R Technology Program Director at (309) 694-8566 or (309) 694-5734, for a program orientation.

To Remain in and Graduate from These

Programs: Students must attain a grade of "C" or better in each course to remain in and graduate from the program. Students must take all required HVAC Excellence testing in order to graduate.

HVAC continued

Residential Installer Mission: The mission of the Heating Ventilation and Air Conditioning (HVAC) Residential Installer certificate program is to provide students with the knowledge and skills to understand and follow the manufacturer's specifications when installing basic residential heating and air conditioning equipment as well as the skills to complete the installation. Students will learn the theory of residential heating and cooling through extensive laboratory experience as well as lectures. After completing this program, the graduates will be able to work as entry-level residential furnace and air conditioner installers.

Commercial Refrigeration Mission: The mission of the Commercial Refrigeration Technician Certificate program is to provide students with the knowledge and skills pertaining to the maintenance and repairing of ice machines as well as both medium and low temperature walk-ins, reach-ins, and supermarket refrigeration. After completing the program coursework consisting of both lecture and lab experiences, the graduates will be prepared to seek employment as entry-level technicians as refrigeration mechanics or general facilities repair persons.

Technician Certificate Mission: The mission of the Heating Ventilation and Air Conditioning (HVAC) Technician certificate program is to provide students with the knowledge and skills pertaining to the maintenance and repairing of air conditioning systems as well as the following heating systems: natural gas, propane, electric, air source heat pumps, geothermal, and hydronic heating systems. After completing the program coursework consisting of both lecture and extensive laboratory experiences, the graduates will be able to work as entry-level HVAC technicians or general facilities repair persons.

Contact Information:

Agricultural and Industrial Technologies
Dirksen Building, Room 09
(309)694-5293

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Related HVAC AAS degree on previous page.

HVAC Residential Installer Certificate

Total Credit Hours: 16

PROGRAM COURSES:		CR. HRS.
ARCTK 119	BLUEPRINT READING - CONSTRUCTION	1
REACT 110	INTRODUCTION TO REFRIGERATION	4
REACT 118	ELECTRICITY AS IT APPLIES TO HVAC/R	4
REACT 119	SHEET METAL FOR HVAC/R	2
REACT 120	RESIDENTIAL FURNACES	4
REACT 139	RESIDENTIAL SYSTEMS INSTALLATION	1

Recommended Course Sequence:

1st Semester: REACT 110; REACT 118; REACT 119; REACT 120; ARCTK 119

2nd Semester: REACT 139

Additional Info: After completion students can pursue the Commercial Refrigeration Technician Certificate or HVAC/R Technology Associate in Applied Science Degree.

HVAC Technician Certificate

Total Credit Hours: 28

PROGRAM COURSES:		CR. HRS.
ARCTK 119	BLUEPRINT READING - CONSTRUCTION	1
REACT 110	INTRODUCTION TO REFRIGERATION	4
REACT 112	RESIDENTIAL AIR CONDITIONING	4
REACT 118	ELECTRICITY AS IT APPLIES TO HVAC/R	4
REACT 119	SHEET METAL FOR HVAC/R	2
REACT 120	RESIDENTIAL FURNACES	4
REACT 121	HEAT PUMPS AND GEOTHERMAL	4
REACT 139	RESIDENTIAL SYSTEMS INSTALLATION	1
REACT 122	RESIDENTIAL HYDRONIC SYSTEMS	4

Recommended Course Sequence:

1st Semester: REACT 110; REACT 118; REACT 119; REACT 120; REACT 112; ARCTK 119

2nd Semester: REACT 139; REACT 121; REACT 122

Additional Info: After completion, students can pursue the Commercial Refrigeration Technician Certificate or HVAC/R Technology Associate in Applied Science Degree.

Commercial Refrigeration Technician Certificate

Total Credit Hours: 28

PROGRAM COURSES:		CR. HRS.
ARCTK 119	BLUEPRINT READING - CONSTRUCTION	1
REACT 110	INTRODUCTION TO REFRIGERATION	4
REACT 112	RESIDENTIAL AIR CONDITIONING	4
REACT 118	ELECTRICITY AS IT APPLIES TO HVAC/R	4
REACT 119	SHEET METAL FOR HVAC/R	2
REACT 120	RESIDENTIAL FURNACES	4
REACT 130	LIGHT COMMERCIAL REFRIGERATION	4
REACT 131	COMMERCIAL REFRIGERATION AND ICE MACHINES	4
REACT 139	RESIDENTIAL SYSTEMS INSTALLATION	1

Recommended Course Sequence:

1st Semester: REACT 110; REACT 118; REACT 119; REACT 120; REACT 112; ARCTK 119

2nd Semester: REACT 139; REACT 130; REACT 131

Additional Info: After completion students can pursue the HVAC Technician Certificate or HVAC/R Technology Associate in Applied Science Degree.

The following information applies to HVAC degree and all certificates.

Students must provide the following items: safety glasses with side shields, work gloves, basic scientific calculator, and thumb drive.

Program Admission: There are no additional admission requirements beyond the general college requirements. However, students are encouraged to contact the HVAC/R Technology Program Director at (309) 694-8566 or (309) 694-5734, for a program orientation.

To Remain in and Graduate from These

Programs: Students must attain a grade of "C" or better in each course to remain in and graduate from the program. Students must take all required HVAC Excellence testing in order to graduate.



Arts, A/V Technology & Communications Career Cluster

*Designing, producing, exhibiting, performing, writing, and publishing multimedia content
including visual and performing arts and design, journalism, and entertainment services*

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Graphic Communications	57
Associate in Applied Science	57
Digital Publishing Certificate	57
Digital Imaging Certificate	58
iMedia Certificate	58
Page Layout Certificate.....	58
Printing Certificate.....	58

For recommended courses in these transfer areas, see Transfer Degrees:

- Art
- Communication-General Communication
- Communication-Public Relations
- Dance
- English
- Foreign Language
- Graphic Design
- Interior Design
- Journalism
- Mass Communication
- Multimedia
- Music
- Philosophy
- Theatre

Graphic Communications

AAS Mission: The mission of the Graphic Communications Associate in Applied Science degree program is to prepare students for employment in the graphic communications industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills for page layout, web page development, packaging, screen printing, and digital publishing workflows.

Digital Publishing Mission: The mission of the Digital Publishing Certificate program is to prepare students for employment or upgrade existing job skills in the graphic communications industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills for page layout, web page development, packaging, screen printing, and digital publishing workflows.

Contact Information:

Graphic Communication and Digital Publishing Program Coordinator
AIT Building, Room 241
(309) 694-5147

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

See next page for stackable certificates that can be earned while working towards the Digital Publishing Certificate or Graphic Communications Associate in Applied Science degree.

Associate in Applied Science

Total Credit Hours: 61

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
PSY 110	INTRODUCTION TO PSYCHOLOGY	3
	MATHEMATICS*	3
	LABORATORY SCIENCE*	4
	HUMANITIES*	3
PROGRAM COURSES:		CR. HRS.
GCOMM 110	INTRODUCTION TO GRAPHIC COMMUNICATIONS	4
GCOMM 112	VECTOR GRAPHICS WITH ADOBE ILLUSTRATOR	3
GCOMM 130	PAGE LAYOUT WITH ADOBE INDESIGN	3
GCOMM 140	PRINTING METHODS	4
GCOMM 150	PRODUCTION TECHNIQUES AND PROCESSES	3
GCOMM 230	ADVANCE PAGE LAYOUT AND INTERACTIVE CROSS MEDIA	3
GCOMM 235	DIGITAL PHOTOGRAPHY AND SCANNING FOR PUBLISHING	3
GCOMM 245	WEB PUBLISHING WITH ADOBE DREAMWEAVER	3
GCOMM 247	ADVANCE WEB PUBLISHING WITH ADOBE DREAMWEAVER AND FLASH	3
GCOMM 250	BEGINNING ADOBE PHOTOSHOP TECHNIQUES	3
GCOMM 251	ADVANCED ADOBE PHOTOSHOP TECHNIQUES	3
GRDSN 140	GRAPHIC DESIGN 1: FOUNDATIONS	3
GRDSN 142	GRAPHIC DESIGN 2: TYPOGRAPHY	3

ELECTIVE COURSES:		CR. HRS.
APPROVED ELECTIVE		1

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: GCOMM 110; GCOMM 112; GCOMM 130; GCOMM 235; GCOMM 250
2nd Semester: GCOMM 140; GCOMM 150; GCOMM 230; GCOMM 251; ENGL 110
3rd Semester: GCOMM 245; GRDSN 140; COMM 110; PSY 110; Math; Approved Elective
4th Semester: GCOMM 247; GRDSN 142; Lab Science; Humanities

Digital Publishing Certificate

Total Credit Hours: 34

PROGRAM COURSES:		CR. HRS.
GCOMM 110	INTRODUCTION TO GRAPHIC COMMUNICATIONS	4
GCOMM 112	VECTOR GRAPHICS WITH ADOBE ILLUSTRATOR	3
GCOMM 130	PAGE LAYOUT WITH ADOBE INDESIGN	3
GCOMM 230	ADVANCE PAGE LAYOUT AND INTERACTIVE CROSS MEDIA	3
GCOMM 235	DIGITAL PHOTOGRAPHY AND SCANNING FOR PUBLISHING	3
GCOMM 245	WEB PUBLISHING WITH ADOBE DREAMWEAVER	3
GCOMM 247	ADVANCE WEB PUBLISHING WITH ADOBE DREAMWEAVER AND FLASH	3
GCOMM 248	MODELING AND ANIMATION WITH AUTODESK MAYA	3
GCOMM 250	BEGINNING ADOBE PHOTOSHOP TECHNIQUES	3
GCOMM 251	ADVANCED ADOBE PHOTOSHOP TECHNIQUES	3
GRDSN 143	COMPUTER ILLUSTRATION I	3

Recommended Course Sequence:

1st Semester: GCOMM 110; GCOMM 112; GCOMM 130; GCOMM 250; GCOMM 245
2nd Semester: GCOMM 230; GCOMM 235; GCOMM 251; GCOMM 247; GCOMM 248; GRDSN 143

Graphic Communications Continued

These four certificates can be earned while working towards the Digital Publishing Certificate or Graphic Communications Associate in Applied Science degree found on previous page.

Digital Imaging Mission: The mission of the Digital Imaging Certificate program is to prepare students for employment or upgrade existing job skills in the graphic communications industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of photography, lighting, and image manipulation.

iMedia Mission: The mission of the iMedia Certificate program is to prepare students for employment or upgrade existing job skills needed in the modern digital publishing format industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and skills needed to create and manage ebooks, variable data processing, interactive PDFs (Portable Document Formats), CSS (Cascading Style Sheets), controlled web sites, and designing augmented reality experiences.

Page Layout Mission: The mission of the Page Layout Certificate program is to prepare students for employment or upgrade existing job skills in the publishing industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and skills ranging from traditional page layout for print as well as new electronic book formatting for eReaders devices.

Printing Mission: The mission of the Printing Certificate program is to prepare students for employment or upgrade existing job skills in the graphic communications industry by educating them in the fundamental concepts, knowledge, hands-on techniques and skills of lithography, screen, and digital printing.

Contact Information:

Graphic Communications Program
Coordinator
AIT Building, Room 241
(309) 694-5147

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Digital Imaging Certificate

Total Credit Hours: 9

PROGRAM COURSES:	CR. HRS.
GCOMM 235 DIGITAL PHOTOGRAPHY AND SCANNING FOR PUBLISHING	3
GCOMM 250 BEGINNING ADOBE PHOTOSHOP TECHNIQUES	3
GCOMM 251 ADVANCED ADOBE PHOTOSHOP TECHNIQUES	3

Recommended Course Sequence:

1st Semester: GCOMM 235; GCOMM 250
2nd Semester: GCOMM 251

iMedia Certificate

Total Credit Hours: 15

PROGRAM COURSES:	CR. HRS.
GCOMM 130 PAGE LAYOUT WITH ADOBE INDESIGN	3
GCOMM 230 ADVANCE PAGE LAYOUT AND INTERACTIVE CROSS MEDIA	3
GCOMM 245 WEB PUBLISHING WITH ADOBE DREAMWEAVER	3
GCOMM 247 ADVANCE WEB PUBLISHING WITH ADOBE DREAMWEAVER AND FLASH	3
GCOMM 250 BEGINNING ADOBE PHOTOSHOP TECHNIQUES	3

Recommended Course Sequence:

1st Semester: GCOMM 250; GCOMM 245
2nd Semester: GCOMM 130; GCOMM 230; GCOMM 247

Page Layout Certificate

Total Credit Hours: 9

PROGRAM COURSES:	CR. HRS.
GCOMM 112 VECTOR GRAPHICS WITH ADOBE ILLUSTRATOR	3
GCOMM 130 PAGE LAYOUT WITH ADOBE INDESIGN	3
GCOMM 230 ADVANCE PAGE LAYOUT AND INTERACTIVE CROSS MEDIA	3

Recommended Course Sequence:

1st Semester: GCOMM 112; GCOMM 130; GCOMM 230

Printing Certificate

Total Credit Hours: 14

PROGRAM COURSES:	CR. HRS.
GCOMM 110 INTRODUCTION TO GRAPHIC COMMUNICATIONS	4
GCOMM 140 PRINTING METHODS	4
GCOMM 150 PRODUCTION TECHNIQUES AND PROCESSES	3
GCOMM 225 SCREEN PRINTING	3

Recommended Course Sequence:

1st Semester: GCOMM 110; GCOMM 140; GCOMM 150; GCOMM 225



Business Management & Administration Career Cluster

Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Business.....	60
Associate in Applied Science	60
Business Specialist - Certificate	60
Small Business Management – Certificate.....	60
Office Professional	61
Associate in Applied Science	61
Clerk Typist - Certificate.....	61

For recommended courses in these transfer areas, see Transfer Degrees:

- Actuarial Science
- Business Administration
- Economics
- International Business
- Music Business
- Music Industry

Business

AAS Mission: The mission of the Associate in Applied Science Business degree is to provide students with the necessary skills and knowledge in fundamental business concepts including accounting, business math, management, customer service, finance, and marketing to gain entry-level employment in a variety of business enterprises.

Additional Program Info: The Associate in Applied Science Business program of study is designed for students preparing for professional positions of responsibility at a variety of business enterprises. The program offers courses in accounting, business math, management, customer service, finance, sales, marketing, human resource management, and professional development. Students complete an internship in an approved business where they gain practical experience. Program requirements can be completed in four semesters of full-time study or on a part-time basis. The program is not designed for college transfer, although some courses may transfer with approval from four-year institutions.

Business Specialist Mission: The mission of the Business Specialist Certificate is to provide a broad-based set of skills and general business knowledge necessary for entry-level employment that may be completed in two semesters.

Small Business Management Mission: The mission of the Small Business Management Certificate program is to provide students with a background in business organization and operations, as well as management training, necessary for advancement to supervisory positions in small businesses.

Contact Information:

Julie Howar, Dean
Business, Legal, and Information
Systems Department
Technology Center
Room 205
(309) 694-5558

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 61

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
ENGL 125	BUSINESS COMMUNICATIONS	3
ECON 105	SURVEY OF ECONOMIC PRINCIPLES	3
OR		
ECON 110	PRINCIPLES OF MACROECONOMICS	3
BUS 120	BUSINESS MATHEMATICS	3
LABORATORY SCIENCE HUMANITIES*		3
PROGRAM COURSES:		CR. HRS.
ACCTG 101	SURVEY OF ACCOUNTING	3
BUS 100	PROFESSIONAL DEVELOPMENT FOR EMPLOYEES	3
BUS 121	PRINCIPLES OF CUSTOMER SERVICE	3
BUS 215	LEGAL ENVIRONMENT OF BUSINESS	3
BUS 220	INTRODUCTION TO BUSINESS FINANCE	3
BUS 260	BUSINESS INTERNSHIP	3
CMPSC 120	BUSINESS COMPUTER SYSTEMS	3
MGMT 113	PRINCIPLES OF MANAGEMENT	3
MGMT 205	PERSONNEL MANAGEMENT	3
MGMT 213	MANAGEMENT CASES AND PROBLEMS	3
MGMT 214	MANAGING TECHNOLOGY	3
MGMT 216	SMALL BUSINESS MANAGEMENT	3
MKTG 112	PRINCIPLES OF MARKETING	3
MKTG 201	SALES	3

Recommended Course Sequence:

1st Semester: ENGL 110; BUS 100; MGMT 113; CMPSC 120; MKTG 112
2nd Semester: BUS 120; BUS 121; ECON 105 or ECON 110; MGMT 214; MKTG 201
3rd Semester: ACCTG 101; BUS 215; ENGL 125; Lab Science; MGMT 205
4th Semester: BUS 220; BUS 260; MGMT 213; MGMT 216; BUS 151; Humanities/Fine Arts

To Graduate from the Program: Students should submit an "Application for Degree/ Certificate" after completing 45 hours of the program.

Business Specialist - Certificate

Total Credit Hours: 30

PROGRAM COURSES:		CR. HRS.
ACCTG 101	SURVEY OF ACCOUNTING	3
BUS 100	PROFESSIONAL DEVELOPMENT FOR EMPLOYEES	3
BUS 120	BUSINESS MATHEMATICS	3
BUS 215	LEGAL ENVIRONMENT OF BUSINESS	3
ENGL 125	BUSINESS COMMUNICATIONS	3
OR		
ENGL 110	COMPOSITION I	3
MKTG 112	PRINCIPLES OF MARKETING	3
OR		
MGMT 205	PERSONNEL MANAGEMENT	3
MGMT 113	PRINCIPLES OF MANAGEMENT	3
MGMT 214	MANAGING TECHNOLOGY	3
OFACS 132	ELECTRONIC SPREADSHEETS	3
OFACS 232	ADVANCED SPREADSHEETS	3

Recommended Course Sequence:

1st Semester: BUS 100; OFACS 132; ENGL 110 or ENGL 125; MGMT 113; BUS 120

2nd Semester: MKTG 112 or MGMT 205; ACCTG 105; BUS 215; MGMT 214; OFACS 232

To Graduate from the Program: Students should submit an "Application for Degree/ Certificate" after completing 15 hours of the program.

Small Business Management – Certificate

Total Credit Hours: 24 to 25

PROGRAM COURSES:		CR. HRS.
ACCTG 105	BOOKKEEPING/ ACCOUNTING I	4
OR		
ACCTG 120	FINANCIAL ACCOUNTING	4
BUS 120	BUSINESS MATHEMATICS	3
CMGEN 120	COMPUTER APPLICATIONS	3
ENGL 110	COMPOSITION I	3
MGMT 113	PRINCIPLES OF MANAGEMENT	3
MGMT 205	PERSONNEL MANAGEMENT	3
MGMT 216	SMALL BUSINESS MANAGEMENT	3
MKTG 112	PRINCIPLES OF MARKETING	3

Recommended Course Sequence:

1st Semester: ENGL 110; ACCTG 105 or ACCTG 120; MGMT 113; MGMT 205

2nd Semester: MGMT 216; CMGEN 120; BUS 120; MKTG 112

Office Professional

AAS Mission: The mission of the Associate in Applied Science Office Professional degree is to prepare students for employment in clerical or word processing positions such as receptionists, secretaries, administrative assistants, clerks, word processors, and transcriptionists, through a series of skill-building courses in keyboarding, electronic equipment operation, information processing, software applications and integration, office procedures, bookkeeping, and records management.

Admission to the AAS Program: Students are expected to be computer literate and to know the Windows operating system. Students are expected to be able to touch type. If this is not the case, TYPE 120 and 121 are prerequisites for entering this program.

Additional AAS Info: This is not designed as a transfer program, although some of the courses may transfer with approval from the four-year college.

Clerk Typist Mission: The mission of the Clerk Typist certificate program is to educate the student who has had little previous training in typing and other business subjects, and to develop office skills to qualify for entry-level jobs such as typist, file clerk, receptionist, and cashier.

Additional Info: Contact the Business, Legal, and Information Systems Department for information regarding the TYPE 120 placement exam and the TYPE 121 proficiency exam.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309) 694-5558

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 60

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATIONS PRESENTATION AND THEORY	3
BUS 120	BUSINESS MATHEMATICS	3
	SOCIAL SCIENCE*	3
	LABORATORY SCIENCE/MATHEMATICS*	4
	HUMANITIES*	3

PROGRAM COURSES:		CR. HRS.
ACCTG 105	BOOKKEEPING/ACCOUNTING I	3
BUS 100	PROFESSIONAL DEVELOPMENT FOR EMPLOYEES	3
OFACS 125	POWERPOINT	1
OFACS 126	OUTLOOK	1
OACS 132	ELECTRONIC SPREADSHEETS	3
OFACS 133	DATABASE MANAGEMENT SYSTEMS	3
OFACS 211	INTEGRATED OFFICE PROJECTS	3
OFOCC 111	TELEPHONE SKILLS FOR THE OFFICE	1
OFOCC 114	FUNDAMENTALS OF TRANSCRIPTION	3
OFOCC 200	MACHINE TRANSCRIPTION AND SPECIALIZED TERMINOLOGY	2
OFOCC 205	FUNDAMENTALS OF RECORDS CONTROL	3
OFOCC 210	ADMINISTRATIVE OFFICE PROCEDURES	3
TYPE 142	TYPING SPEED DEVELOPMENT TO 60 NWPM	1
WP 122	KEYBOARD/WORD PROCESSING III	4
WP 161	DATA ENTRY	1

ELECTIVE COURSES:		CR. HRS.
APPROVED ELECTIVES		6

* See specific requirements for Associate in Applied Science Degree.

** Enroll in TYPE 130 to earn credit in one of the following courses: TYPE 140, 141, 142, 143, 144, or 145.

*** Approved Electives: ACCTG 120; BUS 121, 215; OFOCC 250; WP 186; MGMT 113, 214, 215; TYPE 143, 144, 145; WP 186

Recommended Course Sequence:

1st Semester: BUS 120; BUS 100; ENGL 110; OFACS 125; OFACS 126; OFOCC 111; Humanities

2nd Semester: OFOCC 114; OFOCC 205; WP 122; OFACS 132; Social Science

3rd Semester: ACCTG 105; OFOCC 200; OFOCC 210; OFACS 133; WP 161; Approved Elective

4th Semester: OFACS 211; TYPE 142; COMM 110; Laboratory Science/Mathematics; Approved Elective

To Remain in and Graduate from the

Program: Students should submit should submit an "Application for Degree/Certificate" after completing 45 hours.

Clerk Typist - Certificate

Total Credit Hours: 25

PROGRAM COURSES:		CR. HRS.
ACCTG 105	BOOKKEEPING/ACCOUNTING I	3
BUS 100	PROFESSIONAL DEVELOPMENT FOR EMPLOYEES	3
BUS 120	BUSINESS MATHEMATICS	3
OFACS 126	OUTLOOK	1
OFOCC 111	TELEPHONE SKILLS FOR THE OFFICE	1
OFOCC 114	FUNDAMENTALS OF TRANSCRIPTION	3
OFOCC 205	FUNDAMENTALS OF RECORDS CONTROL	3
TYPE 120	KEYBOARD/WORD PROCESSING I	3
TYPE 121	KEYBOARDING/WORD PROCESSING II	3
TYPE 141	TYPING SPEED DEVELOPMENT TO 50 NWPM*	1
WP 161	DATA ENTRY	1

* Enroll in TYPE 130 to earn credit in one of the following courses: TYPE 140, 141, 142, 143, 144, or 145.

Recommended Course Sequence:

1st Semester: BUS 120; BUS 100; TYPE 120; TYPE 121; OFACS 126

2nd Semester: MKTG 112 or MGMT 205; ACCTG 105; BUS 215; MGMT 214; OFACS 232

To Remain in and Graduate from the

Program: Students should submit an "Application for Degree/Certificate" after completing 12-15 hours of the program.



Education & Training Career Cluster

*Planning, managing, and providing education and training
services, and related learning support services*

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Interpreter Preparation	63
Associate in Applied Science	63
Certificate	63
Library Technical Assistant	64
Certificate	64
Personal/Fitness Trainer	65
Associate in Applied Science	65
Certificate	65

For recommended courses in these transfer areas, see Transfer Degrees:

- Education (Early Childhood)
- Education (Elementary)
- Education (Secondary)
- Education (Special)
- Family and Consumer Sciences
- Physical Education

Interpreter Preparation

AAS Mission: The mission of the Interpreter Preparation program is to produce entry level professional interpreters by providing students with interpreting/transliterating skills, a general knowledge of deafness, and understanding of the interpreting profession.

Certificate Mission: The mission of the Interpreter Preparation Certificate program is to produce entry level professional interpreters by providing students with interpreting/transliterating skills, a general knowledge of deafness, and understanding of the interpreting profession.

Additional Info: Contact the Business, Legal, and Information Systems Department for information regarding the TYPE 120 placement exam and the TYPE 121 proficiency exam.

Contact Information:
Humanities Department
Room 315B
(309) 694-5342

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 64

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
	<i>SOCIAL SCIENCE*</i>	3
	<i>LABORATORY SCIENCE/ MATHEMATICS*</i>	7
	<i>HUMANITIES*</i>	3
PROGRAM COURSES:		CR. HRS.
IPP 110	AMERICAN SIGN LANGUAGE I	4
IPP 111	AMERICAN SIGN LANGUAGE II	4
IPP 112	AMERICAN SIGN LANGUAGE III	3
IPP 115	DEAF CULTURE I	3
IPP 118	AMERICAN SIGN LANGUAGE: FINGERSPELLING AND NUMBERING I	2
IPP 120	INTRODUCTION TO INTERPRETING	2
IPP 121	PRACTICAL AND ETHICAL APPLICATIONS OF INTERPRETING	3
IPP 210	AMERICAN SIGN LANGUAGE IV	3
IPP 211	AMERICAN SIGN LANGUAGE V	3
IPP 216	OCCUPATIONAL INTERPRETING	3
IPP 220	INTERPRETING I	3
IPP 221	INTERPRETING II	3
IPP 230	VOICE INTERPRETING I	3
IPP 231	VOICE INTERPRETING II	3
IPP 260	INTERPRETING INTERNSHIP	3

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: IPP 110; IPP 115; IPP 120; ENGL 110; COMM 110
2nd Semester: IPP 111; IPP 118; IPP 121; Social Science; Math/Science
Summer Semester 1: IPP 112
3rd Semester: IPP 210; IPP 216; IPP 220; IPP 230; Math/Science
4th Semester: IPP 211; IPP 221; IPP 231; IPP 260; Humanities

Certificate

Total Credit Hours: 45

PROGRAM COURSES:		CR. HRS.
IPP 110	AMERICAN SIGN LANGUAGE I	4
IPP 111	AMERICAN SIGN LANGUAGE II	4
IPP 112	AMERICAN SIGN LANGUAGE III	3
IPP 115	DEAF CULTURE I	3
IPP 118	AMERICAN SIGN LANGUAGE: FINGERSPELLING AND NUMBERING I	2
IPP 120	INTRODUCTION TO INTERPRETING	2
IPP 121	PRACTICAL AND ETHICAL APPLICATIONS OF INTERPRETING	3
IPP 210	AMERICAN SIGN LANGUAGE IV	3
IPP 211	AMERICAN SIGN LANGUAGE V	3
IPP 216	OCCUPATIONAL INTERPRETING	3
IPP 220	INTERPRETING I	3
IPP 221	INTERPRETING II	3
IPP 230	VOICE INTERPRETING I	3
IPP 231	VOICE INTERPRETING II	3
IPP 260	INTERPRETING INTERNSHIP	3

Recommended Course Sequence:

1st Semester: IPP 110; IPP 115; IPP 120
2nd Semester: IPP 111; IPP 118; IPP 121
Summer Semester 1: IPP 112
3rd Semester: IPP 210; IPP 216; IPP 220; IPP 230
4th Semester: IPP 211; IPP 221; IPP 231; IPP 260

Library Technical Assistant

Program Mission: The mission of the Library Technical Assistant Certificate program is to prepare students for employment in various types of libraries and/or for the foundational education in information management for a master's degree in library science. LTA graduates possess collection development, cataloging, media technology, technology troubleshooting, reference, collaborative, and patron services skills and are eager to network and serve the surrounding community.

Additional Program Info: The Library Technical Assistant Certificate program is designed to prepare individuals for immediate entry into positions which help library and information services professionals acquire, prepare and organize materials, and assist library users in finding materials and information. Emphasis is on acquiring practical skills needed in day-to-day operations in a library or media center.

Contact Information:

LTA Program Coordinator
Banwart Library S113
Student Center
Peoria Campus
(309) 690-6961

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Certificate

Total Credit Hours: 24 to 26

PROGRAM COURSES:		CR. HRS.
CMGEN 120	COMPUTER APPLICATIONS	3
LIB 110	INTRODUCTION TO LIBRARIES IN THE INFORMATION AGE	3
LIB 114	MULTIMEDIA SERVICES AND EQUIPMENT IN LIBRARIES TODAY	2
LIB 116	ACQUISITION OF LIBRARY MATERIALS	3
LIB 120	INTRODUCTION TO CATALOGING AND CLASSIFICATION	3
LIB 210	INTRODUCTION TO REFERENCE AND INFORMATION SERVICES	3
LIB 225	ELECTRONIC RESOURCES AND ONLINE SEARCHING	3
LIB 231	SERVING THE PUBLIC IN TODAY'S LIBRARIES	3
LIB 250	LIBRARY PRACTICUM	1-3

Recommended Course Sequence:

1st Semester: LIB 110; LIB 114; LIB 120, LIB 116, and CMGEN 120

2nd Semester: LIB 210, LIB 225, LIB 231, LIB 250

Personal/Fitness Trainer

AAS Mission: This program of study is intended for students planning on pursuing a career as a certified personal trainer. Students will gain knowledge in individual and group exercise programs, and will work with populations of varying ability levels. Upon successful completion of the program, graduates will be qualified to work as personal trainers in health clubs, fitness centers, and recreational programs. Graduates will be eligible to test and become certified in their choice of organizations that certify personal trainers.

Certificate Mission: Students will prepare for a career in personal training that involves all aspects of fitness. Students will gain knowledge in individual and group exercise programs, and will work with populations of varying ability levels. Upon successful completion of this program, students will be qualified to pursue the accreditation of their choice.

Accreditation: Upon successful completion, student will be able to sit for the ACE or NCF personal trainer examination.

Admission to the Program: Students entering this program should have a strong understanding of science and math concepts, and be able to physically perform exercises they intend to teach.

Contact Information:

Physical Education Coordinator
Fitness Center/Gymnasium
(309) 694-5502

Associate in Applied Science

Total Credit Hours: 61 to 64

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
OR		
COMM 120	INTERPERSONAL COMMUNICATION	3
SOCIAL SCIENCE*		3
MATH 110	CONCEPTS OF MATHEMATICS	3
CHEM 115	FOUNDATIONS OF CHEMISTRY	4
HUMANITIES*		3
PROGRAM COURSES:		CR. HRS.
BIOL 140	HUMAN ANATOMY AND PHYSIOLOGY	4
FCS 120	PRINCIPLES OF NUTRITION	3
HLTH 120	FIRST AID	2
HLTH 150	FOUNDATIONS OF HEALTH	3
PHYED 116	INTRODUCTION TO RECREATION	3
OR		
PHYED 236	SCIENTIFIC BASIS OF HUMAN MOVEMENT	3
PHYED 136	FOUNDATIONS OF HUMAN MOVEMENT	3
PHYED 175	PRINCIPLES OF TRAINING	3
PHYED 176	EXERCISE TESTING, PRESCRIPTION, AND DESIGN	3
PHYED 205	FITNESS AND WELLNESS	2
PHYED 276	PERSONAL TRAINING FIELD EXPERIENCE	3
PHYED 277	PHYSICAL EDUCATION TOPICS	1-3

PROGRAM COURSES:	CR. HRS.
APPROVED ELECTIVES**	13

* See specific requirements for Associate in Applied Science Degree.

** ACCTG 105, PHYED 116, 140, 145, 149, 162, 168, 169, 180, 181, 182, 183, 236.

Recommended Course Sequence:

1st Semester: ENGL 110; MATH 110; PHYED 136; FCS 120; PHYED 205; Humanities

2nd Semester: HLTH 150; PHYED 175; BIOL 140; COMM 110 or 120; Social Science

Summer Semester 1: PHYED 176

3rd Semester: HLTH 120; CHEM 115; PHYED 116 or PHYED 236

4th Semester: Approved Electives; PHYED 276; PHYED 277

Certificate

Total Credit Hours: 30 to 32

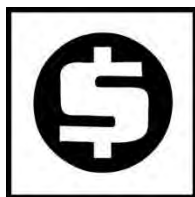
PROGRAM COURSES:		CR. HRS.
BIOL 140	HUMAN ANATOMY AND PHYSIOLOGY	4
BUS 110	INTRODUCTION TO BUSINESS	3
FCS 110	BASIC NUTRITION	2
HLTH 120	FIRST AID	2
HLTH 150	FOUNDATIONS OF HEALTH	3
PHYED 136	FOUNDATIONS OF HUMAN MOVEMENT	3
PHYED 175	PRINCIPLES OF TRAINING	3
PHYED 176	EXERCISE TESTING, PRESCRIPTION, AND DESIGN	3
PHYED 236	SCIENTIFIC BASIS OF HUMAN MOVEMENT	3
PHYED 276	PERSONAL TRAINING FIELD EXPERIENCE	3
PHYED 277	PHYSICAL EDUCATION TOPICS	1-3

Recommended Course Sequence:

1st Semester: BIOL 140; HLTH 120; PHYED 136; FCS 110; PHYED 175

2nd Semester: PHYED 236; HLTH 150; BUS 110; PHYED 176

Summer Semester 1: PHYED 276; PHYED 277



Finance Career Cluster

*Planning, services for financial and investment planning,
banking, insurance, and business financial management*

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Accounting.....	67
Accounting Bookkeeper – Certificate	67
Accounting Clerk - Certificate.....	67

For recommended courses in these transfer areas, see Transfer Degrees:

- Accountancy

Accounting

Accounting Bookkeeper Mission: The mission of the Accounting Bookkeeper Certificate program is to prepare students to obtain employment in accounting or an accounting related field by educating them in accounting for personal income taxes, managerial decision-making using accounting information, and accounting work using spreadsheet and database software, basic accounting and payroll accounting. The Accounting Bookkeeper Certificate prepares students for possible employment as a bookkeeper, payroll clerk, or similar positions in other areas of accounting, such as manufacturers, service industries, accounting firms, financial institutions, insurance companies, and not-for-profit and governmental organizations.

Accounting Clerk Mission: The mission of the Accounting Clerk certificate program is to prepare students with little or no office experience who desire to rapidly acquire skills for entry-level accounting employment by educating students in basic accounting, keyboarding, and data entry, for possible employment as a general bookkeeper, accounting clerk, accounts receivable clerk, accounts payable clerk, payroll clerk, or similar positions in other areas of accounting, with manufacturers, the service industry, accounting firms, financial institutions, insurance companies, and not-for-profit and governmental organizations.

To Remain in and Graduate from the

Program: Students should submit an "Application for Degree/Certificate" during the next-to-last semester of study.

Contact Information:

Business, Legal, and Information
Systems Department
Technology Center
Room 205
(309) 694-5558

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

*For a degree option
see Accountancy in
the Transfer Degrees*

Accounting Bookkeeper – Certificate

Total Credit Hours: 32

PROGRAM COURSES:	CR. HRS.
COMMUNICATION*	3
ACCTG 105 BOOKKEEPING/ ACCOUNTING I	3
ACCTG 108 ACCOUNTING USING QUICK BOOKS	3
ACCTG 113 TAX ACCOUNTING	3
ACCTG 115 PAYROLL ACCOUNTING	3
ACCTG 120 FINANCIAL ACCOUNTING	4
ACCTG 121 MANAGERIAL ACCOUNTING	4
ACCTG 211 ACCOUNTING USING SPREADSHEETS AND DATABASE SOFTWARE	3
ACCTG 216 BOOKKEEPING CAPSTONE	3
BUS 110 INTRODUCTION TO BUSINESS	3

* COMM 110 or 113 are recommended.

Recommended Course Sequence:

1st Semester: ACCTG 105; COMM

2nd Semester: ACCTG 115; ACCTG 120

Summer Semester 1: ACCTG 121

3rd Semester: ACCTG 108; ACCTG 113

4th Semester: ACCTG 211; ACCTG 216

Summer Semester 2: BUS 110

Additional Program Info: Upon completion of this program students will have the skills to sit for the Certified Bookkeeper Exam.

Accounting Clerk - Certificate

Total Credit Hours: 29

PROGRAM COURSES:	CR. HRS.
ACCTG 105 BOOKKEEPING/ ACCOUNTING I	3
ACCTG 108 ACCOUNTING USING QUICK BOOKS OR	
ACCTG 216 ACCOUNTING AND INFORMATION SYSTEMS	3
ACCTG 115 PAYROLL ACCOUNTING	3
ACCTG 120 FINANCIAL ACCOUNTING	4
BUS 110 INTRODUCTION TO BUSINESS	3
OFACS 132 ELECTRONIC SPREADSHEETS	3
OFACS 232 ADVANCED SPREADSHEETS	3
TYPE 120 KEYBOARD/WORD PROCESSING I	3
TYPE 121 KEYBOARDING/WORD PROCESSING II	3
WP 161 DATA ENTRY	1

Recommended Course Sequence:

1st Semester: ACCTG 105; OFACS 132;
TYPE 120; TYPE 121; WP 161

2nd Semester: ACCTG 120; BUS 110;
ACCTG 115; ACCTG 108 or ACCTG 216;
OFACS 232



Government & Public Administration Career Cluster

Planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations

ICC does not offer any AAS Degrees or Certificates in Government & Public Administration.

For recommended courses in these transfer areas, see Transfer Degrees:

- Political Science
- Social Work

Programs in other clusters that may be related:

- Fire Science (Law, Public Safety, Correction & Security)
- Law Enforcement (Law, Public Safety, Correction & Security)
- Paralegal (Law, Public Safety, Correction & Security)



Health Science Career Cluster

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Dental Hygienist.....	71
Associate in Applied Science	71
Massage Therapist	72
Certificate	72
Medical Assistant	73
Certificate	73
Medical Office Administrative Assistant	74
Certificate	74
Medical Coder	75
Certificate	75
Medical Laboratory Technician	76
Associate in Applied Science	76
Nursing.....	77
Registered Nurse Associate in Applied Science	77
LPN to RN Completion Associate in Applied Science	78
Licensed Practical Nurse Certificate	79
Nursing Assistant Certificate	79
Occupational Therapy Assistant	80
Associate in Applied Science	80
Paramedic	81
Associate in Applied Science	81
Emergency Medical Technician (EMT) Certificate	81
Phlebotomist.....	82
Certificate	82
Physical Therapist Assistant	83
Associate in Applied Science	83
Radiographer	84
Associate in Applied Science	84
Computed Tomography Certificate	85
Respiratory Therapist.....	86
Associate in Applied Science	86
Surgical Technologist	87
Associate in Applied Science	87

For related transfer areas, see Transfer Degrees:

- Dietetics
- Pre-Chiropractic
- Pre-Medical, Pre-Dental
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Veterinary

Dental Hygienist

AAS Mission: The mission of the Dental Hygiene program is to prepare professional, ethical and competent entry level dental hygienists, by facilitating development of knowledge, attainment of skills, enhancement of professional behaviors, and increasing awareness of roles and responsibilities to serve diverse needs of patients within the community.

Accreditation: The Dental Hygiene program is accredited by the Commission on Dental Accreditation, a specialized accrediting body of the American Dental Association. Contact information for ADA/CODA, 211 East Chicago Ave., Chicago, IL, 60611-2678. Phone: 312-440-2500

Admission to the Program:

- High School graduate with GPA 2.6 or higher, or equivalent (i.e. GED of 165 or higher) **OR** 9 hours of required courses from program sequence with a "C" or higher.
- One year of high school algebra with a "C" average or higher **OR** placement into MATH 098 or higher.
- One year high school lab science including chemistry or biology, with a "C" average or higher **OR** completion of an equivalent college science course with a "C" or higher.
- Placement into ENGL 110.
- ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC).
- GPA of 2.0 or above at the last college attended (other than ICC) **OR** 9 hours of required courses from program sequence with a "C" or higher.

Recommended High School Subjects:

(1) two years English (2) two years laboratory science including chemistry (3) one year algebra (4) one year geometry (5) keyboarding.

To Remain in and Graduate from the Program:

A grade of "C" or better in all DHYGN courses, BIOL 140, BIOL 210, CHEM 115, and FCS 110.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 76.5

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
PSY 110	INTRODUCTION TO PSYCHOLOGY	3
BIOL 140	HUMAN ANATOMY AND PHYSIOLOGY	4
CHEM 115	FOUNDATIONS OF CHEMISTRY	4
HUMANITIES/FINE ARTS*		3

PROGRAM COURSES:		CR. HRS.
BIOL 210	MICROBIOLOGY	4
DHYGN 110	DENTAL HEAD, NECK, AND ORAL ANATOMY	3
DHYGN 111	DENTAL EMBRYOLOGY AND HISTOLOGY	2
DHYGN 113	INFECTION CONTROL FOR THE DENTAL HYGIENIST	0.5
DHYGN 117	DENTAL SPECIALTIES	1
DHYGN 131	INTRODUCTION TO DENTAL HYGIENE CLINICAL APPLICATIONS	2
DHYGN 132	FUNDAMENTALS OF DENTAL HYGIENE	2
DHYGN 133	PRECLINICAL DENTAL HYGIENE	2
DHYGN 135	DENTAL RADIOLOGY	3
DHYGN 137	MEDICAL EMERGENCIES	1
DHYGN 139	SPECIAL POPULATIONS	1
DHYGN 210	COMMUNITY DENTAL HEALTH	3
DHYGN 212	DENTAL MATERIALS	2
DHYGN 222	PREVENTIVE MODALITIES	3
DHYGN 226	LOCAL ANESTHETICS FOR THE DENTAL HYGIENIST	1
DHYGN 228	NEW DIMENSIONS IN DENTAL HYGIENE	2
DHYGN 230	DENTAL HYGIENE CLINIC I	2
DHYGN 231	DENTAL HYGIENE CLINIC II	4
DHYGN 232	DENTAL HYGIENE CLINIC III	5
DHYGN 243	GENERAL AND ORAL PATHOLOGY	2
DHYGN 244	PERIODONTOLOGY	2
DHYGN 246	TRANSITIONS FOR THE DENTAL HYGIENIST	2
DHYGN 248	PHARMACOLOGY FOR DENTAL HYGIENISTS	2
FCS 110	BASIC NUTRITION	2
SOC 110	AN INTRODUCTION TO SOCIOLOGY	3

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

Previous Semester (for pre-program courses): BIOL 140; CHEM 115

1st Semester: ENGL 110; BIOL 210; DHYGN 110; DHYGN 113; DHYGN 117; DHYGN 131; DHYGN 132

2nd Semester: COMM 110; FCS 110; DHYGN 111; DHYGN 133; DHYGN 135; DHYGN 137; DHYGN 139; DHYGN 243

Summer Semester 1: DHYGN 212; DHYGN 222; DHYGN 230

3rd Semester: PSY 110; DHYGN 210; DHYGN 226; DHYGN 228; DHYGN 231; DHYGN 244; DHYGN 248

4th Semester: SOC 110; DHYGN 232; DHYGN 246; Humanities/Fine Arts

All required general education courses may be taken prior to admission into the program.

NOTE: BIOL 140 and CHEM 115, must be completed prior to the start of the program.

Requirements upon Program Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program.

Additional Program Info: Graduates are eligible to take the National Board Dental Hygiene Examination and a regional/state examination for registration as a Dental Hygienist in Illinois, and other states. The dental hygienist works under the supervision of the dentist in dental offices and other health agencies by performing duties delegated by the dentist in accordance with the Illinois Dental Practice Act or other applicable state practice acts. Duties include cleaning teeth, exposing x-rays, providing oral healthcare instructions to patients, maintaining patient records, etc. Students receive extensive clinical experiences in the Illinois Central College Dental Hygiene Clinic and selected agencies.

Massage Therapist

Certificate Mission: The mission of the Massage Therapist program is to provide the curriculum and clinical experiences necessary to empower graduates with knowledge, skills, and affective elements necessary to successfully practice massage therapy in the workforce.

Additional Program Info: Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Admission to the Program:

- High school graduate or equivalent.
- Completion of TM 100 with a grade of "S".
- Completion of BIOL 140 with a grade of "C" or better

Requirements upon Program

Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program.

To Remain in and Graduate from the

Program: Maintain a "C" or better in all required program courses.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Certificate

Total Credit Hours: 32

PROGRAM COURSES:		CR. HRS.
TM 100	INTRODUCTION TO MASSAGE THERAPY*	0.5
BIOL 140	HUMAN ANATOMY AND PHYSIOLOGY*	4
HLTH 121	<u>MEDICAL TERMINOLOGY</u>	2
PSY 110	<u>INTRODUCTION TO PSYCHOLOGY</u>	3
TM 111	FUNDAMENTAL MASSAGE TECHNIQUES	2
TM 112	APPLIED ANATOMY AND PHYSIOLOGY FOR THE BODYWORKER	3
TM 113	PROFESSIONAL ISSUES FOR THE BODYWORKER	2.5
TM 114	PATHOLOGY, DOCUMENTATION, AND TERMINOLOGY FOR THE BODYWORKER	2.5
TM 115	CONCEPTS OF HOLISTIC HEALTH	2
TM 120	PROFESSIONAL DEVELOPMENT FOR MASSAGE THERAPISTS	1
TM 121	ADDRESSING THE MUSCLE	2.5
TM 123	MASSAGE THERAPY TECHNIQUES, VARIATIONS, AND APPLICATIONS	2
TM 125	APPLIED KINESIOLOGY FOR THE BODYWORKER	3
TM 127	THERAPEUTIC MASSAGE CLINICAL	2

* Pre-requisite for admission to the Massage Therapy Program

Recommended Course Sequence:

Previous Semester (for pre-program

courses): TM 100, BIOL 140, HLTH 121, PSY 110

1st Semester: TM 111; TM 112; TM 113; TM 114; TM 115

2nd Semester: TM 120; TM 121; TM 123; TM 125; TM 127

Underlined courses may be taken prior to admission into the program

Medical Assistant

Medical Assistant Mission: The mission of the Medical Assistant Certificate is to prepare competent, entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Accreditation: Commission on Accreditation of Allied Health Education Programs (CAAHEP) is responsible for establishing criteria for the medical assistant program and conducts accrediting activities designed to ensure that educational programs meet minimum entry level criteria. CAAHEP grants accreditation of medical assisting programs upon the recommendations of the Medical Assisting Education Review Board. Graduates from this CAAHEP-accredited medical assisting program are eligible to take the CMA (AAMA) Certification Exam.

Admission to the Program:

- High School graduate with GPA 2.6 or higher, or equivalent (i.e.: GED of 165 or higher), **OR** 5 hours of required courses from program sequence with a "C" or higher.
- One year high school algebra with a grade of "C" average or higher **OR** placement into MATH 098 or higher.
- Placement into COMM 110.
- Grade point average (GPA) of 2.0 or above at ICC or last college attended **OR** 5 hours of required courses from program sequence with a "C" or higher.

Recommended High School Subjects:

(1) three years of English (2) one year of algebra (3) biology (4) word processing.

To Remain in and Graduate from the

Program: Earn a grade of "C" or better in all required program courses.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Certificate

Total Credit Hours: 28

PROGRAM COURSES:		CR. HRS.
BIOL 140	<u>HUMAN ANATOMY AND PHYSIOLOGY</u>	4
COMM 110	<u>INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY</u>	3
HLTH 107	BASIC ELECTROCARDIOGRAMS	1
HLTH 121	<u>MEDICAL TERMINOLOGY</u>	2
MEDO 110	MEDICAL ASSISTANT ADMINISTRATIVE SKILLS	2
MEDO 111	MEDICAL ASSISTANT CLINICAL PROCEDURES	4
MEDO 112	MEDICAL OFFICE COMPUTER SKILLS	2
MEDO 114	CLINICAL LABORATORY SKILLS FOR MEDICAL ASSISTANTS	3
MEDO 119	INTRODUCTION TO PHARMACOLOGY FOR MEDICAL ASSISTANTS	2
MEDO 125	MEDICAL ASSISTANT PRACTICUM	3
MLT 110	INTRODUCTION TO THE MEDICAL LABORATORY AND PHLEBOTOMY	2

Underlined courses may be completed prior to admission into program

Recommended Course Sequence:

1st Semester: HLTH 121; BIOL 140; MEDO 110; MEDO 112

2nd Semester: MEDO 111; MEDO 114; MLT 110; HLTH 107; COMM 110

Summer Semester 1: MEDO 125; MEDO 119

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program. (Deadline for providing proof of current CPR certification is April 1st of the program's spring semester).
- Keyboarding, 40 words per minute (wpm), and accuracy of 92% is required for medical office professionals. Students are required to go to www.typing.com (link is external) and take a free 1:00 minute online typing test to evaluate individual keyboarding skill level, minimal 40 wpm and 92% accuracy. If below 40 wpm or below 92% accuracy, students must complete the free typing lessons at www.typing.com (link is external) to earn the minimal competency required for admission into the program.

Additional Program Info: The practice of medical assisting directly influences the public's health and well-being, and requires mastery of a complex body of knowledge and specialized skills requiring both formal education and practical experience. Medical assistants are multi-skilled health professionals specifically educated to work in ambulatory settings performing administrative and clinical duties such as assessing patient's vital signs and histories, preparing patients for procedures, assisting the physician with examinations and treatments, collecting and processing specimens, performing selected diagnostic tests, performing electrocardiograms, and administration of medications as directed by the physician.

See related certificate on next page

Medical Office Administrative Assistant

Medical Office Certificate Mission:

The mission of the Medical Office Administrative Assistant Certificate program is to provide the curriculum and experiences to enable graduates to attain knowledge, attitudes, and skills to perform as an entry-level medical office administrative assistant.

Admission to the Program:

- High School graduate with GPA 2.6 or higher, or equivalent (i.e.: GED of 165 or higher), **OR** 5 hours of required courses from program sequence with a "C" or higher.
- One year high school pre-algebra with a grade of "C" average or higher **OR** placement into MATH 094 or higher.
- Placement into ENGL 125
- Grade point average (GPA) of 2.0 or above at ICC or last college attended **OR** 5 hours of required courses from program sequence with a "C" or higher.

Recommended High School Subjects:

(1) three years of English (2) one year of pre-algebra (3) one semester of high school word processing or equivalent.

To Remain in and Graduate from the

Program: Student must attain a grade of "C" or better in all required program courses to remain in and graduate from the program.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

*See related certificates on
previous and next page*

Certificate

Total Credit Hours: 18

PROGRAM COURSES:		CR. HRS.
BIOL 106	<u>HUMAN BIOLOGY</u>	4
OR		
BIOL 140	<u>HUMAN ANATOMY AND PHYSIOLOGY</u>	4
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
HEOCC 112	<u>INTRODUCTION TO PHARMACOLOGY</u>	2
HLTH 121	<u>MEDICAL TERMINOLOGY</u>	2
MEDO 110	MEDICAL ASSISTANT ADMINISTRATIVE SKILLS	2
MEDO 112	MEDICAL OFFICE COMPUTER SKILLS	2
MEDO 122	MEDICAL OFFICE ADMINISTRATIVE PRACTICUM	3

Underlined courses may be completed prior to admission into program

Recommended Course Sequence:

1st Semester: MEDO 110; MEDO 112;

HLTH 121; BIOL 106 or BIOL 140

2nd Semester: MEDO 122; COMM 110; HEOCC 112

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program. (Deadline for providing proof of current CPR certification is December 1st of the programs fall semester).
- Keyboarding, 40 words per minute (wpm), and accuracy of 92% is required for medical office professionals. Students are required to go to www.typing.com (link is external) and take a free 2:00 minute online typing test to evaluate individual keyboarding skill level, minimal 40 wpm and 92% accuracy. If below 40 wpm or below 92% accuracy, students must complete the free typing lessons at www.typing.com (link is external) to earn the minimal competency required for admission into the program.

Additional Program Info:

Medical Office Administrative Assistants are specifically educated to work in ambulatory settings performing administrative duties. The administrative program develops such necessary skills as arranging patient appointments, communicating with the public in person and by telephone, basic bookkeeping, ordering equipment and supplies, and completing medical forms. This program is a 9-month certificate, non-accredited program.

Medical Coder

Medical Coder Mission: The mission of the Medical Coder Certificate program is to provide knowledge, skills, and professional attitude for an entry-level medical coder position in medical offices, hospitals, clinics, skilled-care facilities, insurance companies, billing offices, and governmental agencies.

Admission to the Program:

- High school graduate with GPA 2.6 or higher, or equivalent (i.e.: GED of 165 or higher), **OR** 5 hours of required courses from program sequence with a "C" or higher.
- One year high school Biology with a "C" or better **OR** completion of an equivalent college Biology course with a grade of "C" or higher.
- Placement into ENGL 110
- Grade point average (GPA) of 2.0 or above at ICC or last college attended **OR** 5 hours of required courses from program sequence with a "C" or higher.

High school recommendations: 3 years English and 2 years keyboarding.

To Remain in and Graduate from the Program:

Students must attain a grade of "C" or better in all coursework to remain in and graduate from program.

Contact Information:

Health Careers Department
Cedar, North Campus
(309) 690-7530

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

See related certificate
on previous page

Certificate

Total Credit Hours: 22 to 26

PROGRAM COURSES:		CR. HRS.
BIOL 140	<u>HUMAN ANATOMY AND PHYSIOLOGY</u>	4
OR		
BIOL 205	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I</u>	4
AND		
BIOL 206	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II</u>	4
HEOCC 200	<u>DISEASE PROCESSES IN MAN</u>	3
HEOCC 112	<u>INTRODUCTION TO PHARMACOLOGY</u>	2
HLTH 121	<u>MEDICAL TERMINOLOGY</u>	2
MEDO 112	MEDICAL OFFICE COMPUTER SKILLS*	2
MEDO 115	INTRODUCTION TO ICD-10-CM AND ICD-10-PCS CODING	3
MEDO 117	INTRODUCTION TO CURRENT PROCEDURAL TERMINOLOGY (CPT) CODING	2
MEDO 118	CODING INTERNSHIP**	1
MEDO 120	INTERMEDIATE ICD-10-CM AND ICD-10-PCS CODING	3

* Or a department-approved computer course.

** Arranged by the program coordinator upon completion of all program courses.

Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:

Previous Semester (for pre-program courses): HLTH 121

1st Semester: BIOL 140 or BIOL 205; MEDO 112; MEDO 115

2nd Semester: HEOCC 112; MEDO 117; HEOCC 200, MEDO 120; BIOL 206 (if needed)

3rd Semester: MEDO 118

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program.

Additional Program Info: The Medical Coder Certificate is intended to provide students with entry-level skills needed to gain employment as a medical coder. This program will prepare students to gain a working knowledge of medical language and the International Classification of Diseases (ICD-10) and Current Procedural Terminology (CPT) coding system skills used to determine and secure appropriate reimbursement for services rendered by health care providers. This program can be completed in approximately three (3) semesters of study as outlined below. Upon completion, students can expect to be employed in a variety of health care settings such as hospitals, physician offices, billing services, and insurance companies. After completion of the program the graduate is eligible to sit for national certification.

Medical Laboratory Technician

AAS Mission: The mission of the Medical Laboratory Technician program is to provide current curriculum and clinical learning experiences, to develop students' knowledge, skills, and professional behaviors, and to prepare graduates for entry-level practice in each major discipline in a clinical laboratory.

Accreditation: Graduates are eligible to take the examination for certification as a medical laboratory technician given by the Board of Certification (BOC) of the American Society for Clinical Pathology (ASCP). The MLT Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018, Tel. (773) 714-8880, Fax (773) 714-8886 or email naacinfo@naacils

Admission to the Program:

- High School graduate with GPA 2.6 or higher, or equivalent (i.e. GED of 165 or higher) OR 9 hours of required courses from program sequence with a "C" or higher.
- Completion of MATH 098 with a "C" or higher OR placement into MATH 115 or higher.
- One year high school Chemistry with a "C" average or higher OR completion of an equivalent college science course with a "C" or higher.
- Placement into ENGL 110.
- Mandatory observation in a clinical laboratory or MLT student laboratory or completion of MLT 100 or MLT 110.
- ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC).
- GPA of 2.0 or above at the last college attended (other than ICC) OR 9 hours of required courses from program sequence with a "C" or higher.

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification (might be required) from the American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider. CPR certification, if required, must remain current throughout the program.

To Remain in and Graduate from the Program:

Earn a grade of "C" or better in all CHEM, BIOL, MATH and MLT courses. Maintain an overall GPA 2.0 or better. Adhere to program policies on attendance, laboratory safety, professionalism, academic integrity, examination, and student success planning. Adhere to clinical affiliate policies on safety, privacy, compliance, and professionalism. Obtain at least a "C" or better on the MLT Comprehensive Exam immediately prior to graduation.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 65 to 69

GENERAL COURSES

ENGL 110	<u>COMPOSITION I</u>
COMM 110	<u>INTRO TO COMM: PRESENTATION AND THEORY</u>
PSY 110	<u>INTRODUCTION TO PSYCHOLOGY</u>
BIOL 140	<u>HUMAN ANATOMY AND PHYSIOLOGY</u>
OR	
BIOL 205	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I</u>
AND	
BIOL 206	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II</u>
BIOL 210	<u>MICROBIOLOGY</u>
HUMANITIES/FINE ARTS *	

PROGRAM COURSES:

CHEM 120	<u>PRINCIPLES OF CHEMISTRY I</u>
OR	
CHEM 130	<u>GENERAL CHEMISTRY</u>
CHEM 122	<u>PRINCIPLES OF CHEMISTRY</u>
OR	
CHEM 132	<u>GENERAL CHEMISTRY</u>
MLT 110	<u>INTRODUCTION TO THE MEDICAL LABORATORY AND PHLEBOTOMY</u>
MLT 115	<u>FUNDAMENTALS OF URINALYSIS AND BODY FLUIDS</u>
MLT 116	<u>FUNDAMENTALS OF IMMUNOLOGY AND SEROLOGY</u>
MLT 210	<u>FUNDAMENTALS OF HEMATOLOGY AND HEMOSTASIS</u>
MLT 214	<u>FUNDAMENTALS OF CLINICAL CHEMISTRY</u>
MLT 216	<u>FUNDAMENTALS OF IMMUNOHEMATOLOGY</u>
MLT 218	<u>FUNDAMENTALS OF CLINICAL MICROBIOLOGY</u>
MLT 220	<u>ADVANCED CLINICAL HEMATOLOGY</u>
MLT 222	<u>APPLIED CLINICAL EXPERIENCE I</u>
MLT 224	<u>ADVANCED CLINICAL CHEMISTRY</u>
MLT 228	<u>ADVANCED CLINICAL MICROBIOLOGY</u>
MLT 230	<u>2.5 PROFESSIONAL SEMINAR</u>
MLT 232	<u>APPLIED CLINICAL EXPERIENCE II</u>

* See specific requirements for Associate in Applied Science Degree.

Underlined courses may be taken prior to admission to the program.

For students seeking to complete a university Medical Laboratory Science program, special opportunities may exist for students who have completed an accredited MLT program. It is highly recommended students reach out to the program director for information on MLT/MLS articulation and curriculum planning.

CR. HRS.

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CR. HRS.

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5

AAS Information Continued:

Recommended Course Sequence:

Previous Semester (for pre-program

courses): BIOL 205 (if BIOL 205/206 option chosen)

1st Semester: BIOL 140 or BIOL 206;

CHEM 120 or CHEM 130; ENGL 110; Humanities/Fine Arts

2nd Semester: CHEM 122 or CHEM 132; BIOL 210; COMM 110; PSY 110; MLT 110

Summer Semester 1: MLT 115; MLT 116

3rd Semester: MLT 210; MLT 214; MLT 216; MLT 218; MLT 222

4th Semester: MLT 220; MLT 224; MLT 228; MLT 230; MLT 232

Recommended high school subjects:

4 years English/communication; 2 years algebra; 1 year geometry; 1 year biological science; 1 year chemistry

4-year university seeking students:

Students seeking to transfer to a 4-year university after completing the MLT program may need to take specific general education courses, such as BIOL 205/206 and CHEM 130/132 in order to fulfill Illinois Articulation Initiative general education requirements. Students should consult their departmental advisor for more information on these courses.

Students with transfer credit or completed degrees:

Students who have previously completed general education courses, or transfer courses that meet program general education requirements, may have an accelerated program option.

Graduation and Board of Certification

Examination Eligibility: Once all program requirements are met, students graduate from the MLT program, earn an Associate's in Applied Science Degree in Medical Laboratory Technician, and are eligible to sit for the National Board of Certification (BOC) Exam of the American Society for Clinical Pathology (ASCP), to become certified as a Medical Laboratory Technician (MLT). Graduation is not contingent upon passing the BOC exam.

Clinical experiences: Clinical experiences are arranged in laboratories affiliated with ICC to provide student rotations in each department. Such experiences may take place in the Peoria area systems, such as UnityPoint Health or OSF, or other affiliated laboratories throughout Central Illinois, such as HSHS and Memorial Health.

OSF Histotechnology Certificate Program:

The following courses may be taken to develop additional skills for the MLT graduate or for the student interested in employment in histology laboratory. Courses are offered in cooperative agreement with OSF Saint Francis Medical Center and ICC. Graduates of the Histotechnology Certificate Program are eligible to take the histologic technician certification examination by the American Society for Clinical Pathology (ASCP).

MEDLB 125 HISTOLOGY I: GENERAL TECHNIQUES 8.0 CREDIT HRS.

MEDLB 126 HISTOLOGY II: SPECIAL STAINS 5.0 CREDIT HRS.

PREREQUISITE: An associate degree or higher to include the following: ENGL 110, MATH 098 or MATH 115; BIOL 140; BIOL 210; CHEM 120; CHEM 122, or equivalent courses with a cumulative GPA of 2.5 or better.

Nursing

AAS Mission: The mission of Associate in Applied Science Degree Nursing Program is to provide theory, laboratory, and clinical learning opportunities to develop the student's knowledge, skills, and attitudes to transition into the professional registered nurse role. The nursing program is committed to high educational standards based on quality and safety, and best practices in nursing, to prepare graduates for a successful nursing career as a professional Registered Nurse.

Accreditation: The Nursing program is fully approved by the Illinois Department of Financial and Professional Regulation and accredited by the Accreditation Commission for Education in Nursing. The Accreditation Commission for Education in Nursing (ACEN) is a resource for the nursing information contained in this catalog. The commission may be contacted as follows: Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, Phone: (404) 975-5000, Fax: (404) 975-5020. Graduates are eligible to take the National Council State Board of Nursing (NCSBN) Licensure Examination for Registered Nurses (NCLEX-RN) and may apply for licensure to practice nursing as a Registered Nurse (RN).

Additional Program Info: Completion of Biology Placement Test with minimum score equivalent to placement into BIOL 205 **OR** completion of an equivalent college biology course BIOL 205 with a grade of "C" or better. Transfer of credit from other institutions: transfer courses comparable to the courses listed under "General Courses" may be accepted toward meeting the requirements of the ICC Nursing Program. Transfer credit is not automatically accepted for occupational or vocational credit requirement; demonstration of proficiency or competency is required. Credit is not given for work experience. Qualified Licensed Practical Nurses may be given advanced standing through proficiency examinations when applying for the bridge program.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

*LPN to RN degree option and
Nursing Certificate options
on the following pages*

Registered Nurse Associate in Applied Science

Total Credit Hours: 64

GENERAL COURSES:		CR. HRS.
ENGL 110	<u>COMPOSITION I</u>	3
COMM 110	<u>INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY</u>	3
PSY 110	<u>INTRODUCTION TO PSYCHOLOGY</u>	3
BIOL 205	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I</u>	4
BIOL 206	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II</u>	4
BIOL 210	<u>MICROBIOLOGY</u>	4
	<u>HUMANITIES/FINE ARTS *</u>	3
PROGRAM COURSES:		CR. HRS.
RNRS 116	INTRODUCTION TO CONCEPTS FOR NURSING PRACTICE	2
RNRS 117	NURSING PRACTICE CONCEPTS I	9
RNRS 118	NURSING PRACTICE CONCEPTS II	9
RNRS 216	NURSING PRACTICE CONCEPTS III	9
RNRS 217	COMPLEX NURSING PRACTICE CONCEPTS IV	9
RNRS 218	CONCEPTS FOR NURSING PRACTICE CAPSTONE	2

* See specific requirements for Associate in Applied Science Degree.

Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:

1st Semester: BIOL 205; ENGL 110; RNRS 116; RNRS 117

2nd Semester: BIOL 206; PSY 110; RNRS 118

3rd Semester: BIOL 210; COMM 110; RNRS 216

4th Semester: Humanities/Fine Arts; RNRS 217; RNRS 218

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Admission to the Program:

- High School graduate with GPA 2.6 or higher, or equivalent (i.e. GED of 165 or higher) OR 9 hours of required courses from program sequence with a "C" or better.
- One year high school chemistry with a "C" average or higher OR completion of an equivalent college chemistry course with a grade of "C" or better.
- One year high school algebra with a "C" average or higher OR placement into MATH 098 or higher.
- Completion of Reading Placement Test with minimum score equivalent to placement into ENGL 110 OR completion of an equivalent college English course ENGL 110 with a grade of "C" or better.
- Completion of Biology Placement Test with minimum score equivalent to placement into BIOL 205 OR completion of an equivalent college biology course BIOL 205 with a grade of "C" or better.
- ICC grade point average (GPA) of a 2.5 or above (if you have attended ICC).
- GPA of 2.5 or above at the last college attended (other than ICC) OR 9 hours of required courses from program sequence with a "C" or better.
- Active Illinois Certified Nursing Assistant Certification prior to starting nursing program courses.

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider. CPR certification must remain current throughout the program.
- Completion of HESI A2 RN Admission Assessment.
- Required attendance at the Nursing Program Admission Orientation and at the Nursing Student Orientation Day.

Recommended High School Subjects:

(1) four years of English (2) one year of anatomy and physiology and biology (3) two years of mathematics, including algebra (4) one year of chemistry.

To Remain in and Graduate from the

Program: Earn a "C" or better in all required general education and nursing program courses.

Nursing Continued

AAS Mission: The mission of the Associate in Applied Science LPN to RN Completion program is to effectually provide educational resources within theory, laboratory, and clinical experiences to prepare graduates for a successful, professional nursing career as a registered nurse.

Additional Program Info: RNRS 150 and RNRS 111 may be completed by proficiency exam by a Licensed Practical Nurse (LPN). Transfer of comparable credit from other institutions may be evaluated and accepted toward meeting requirements of ICC Nursing Program general education courses. Transfer credit is not accepted for vocational, or program courses, nor is credit given for work experience. For transfer credit to be accepted: (1) the student must receive a grade of "C" or better in all course work, (2) demonstrate satisfactory clinical performance and meet all course specific clinical and laboratory requirements; and (3) meet all course requirements within specified time limits.

Accreditation: The Nursing program is fully approved by the Illinois Department of Financial and Professional Regulation and accredited by the Accreditation Commission for Education in Nursing. The commission may be contacted as follows: Accreditation Commission for Education in Nursing, 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, Phone: (404) 975-5000, Fax: (404) 975-5020. Graduates are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) and may apply for licensure to practice nursing as a Registered Nurse (RN).

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

*Registered Nurse degree
on previous page;
Nursing Certificate options
on the following pages*

LPN to RN Completion Associate in Applied Science

Total Credit Hours: 60 to 61

GENERAL COURSES:		CR. HRS.
ENGL 110	<u>COMPOSITION I</u>	3
COMM 110	<u>INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY</u>	3
PSY 110	<u>INTRODUCTION TO PSYCHOLOGY</u>	3
BIOL 205	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I</u>	4
BIOL 206	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II</u>	4
<u>HUMANITIES*</u>		3
PROGRAM COURSES:		CR. HRS.
BIOL 210	<u>MICROBIOLOGY</u>	4
FCS 110	<u>BASIC NUTRITION</u>	2
OR		
FCS 120	<u>PRINCIPLES OF NUTRITION</u>	3
HLTH 121	<u>MEDICAL TERMINOLOGY</u>	2
RNRS 111	<u>PHARMACOLOGY FOR NURSES</u>	2
RNRS 125	<u>NURSING: LPN to RN TRANSITION</u>	2
RNRS 150	<u>PRINCIPLES OF SAFE MEDICATION ADMINISTRATION</u>	1
RNRS 210	<u>HEALTH ASSESSMENT OF THE ADULT PATIENT</u>	2
RNRS 220	<u>NURSING III</u>	10
RNRS 221	<u>NURSING IV</u>	10
RNRS 222	<u>NURSING MANAGEMENT AND LEADERSHIP</u>	2
SOC 110	<u>AN INTRODUCTION TO SOCIOLOGY</u>	3

* See specific requirements for Associate in Applied Science Degree.

Underlined courses may be taken prior to admission into program.

Recommended Course Sequence:

1st Semester: BIOL 205; ENGL 110; RNRS 150; RNRS 210; HLTH 121; COMM 110; SOC 110

2nd Semester: BIOL 206; FCS 110 or 120; RNRS 111; PSY 110; BIOL 210; Humanities

Summer Semester 1: RNRS 125

3rd Semester: RNRS 220

4th Semester: RNRS 221; RNRS 222

Admission to the Program:

- Graduation from state-approved Practical Nursing Program *within the last five years* **OR** achievement of a conversion score of 75% or higher on the Evolve HESI PN-AND Exam.
- Valid Illinois Licensed Practical Nursing (LPN) license.
- Currently employed full time or equivalent as an LPN **OR** departmental approval.
- One year of high school chemistry with a grade of "C" average or higher **OR** completion of an equivalent college chemistry course with a grade of "C" or better.
- Completion of BIOL 205, BIOL 206, BIOL 210, RNRS 150, RNRS 111, RNRS 210 with a grade of "C" or better.
- Completion of ENGL 110, COMM 110, PSY 110, SOC 110, FCS 110 or FCS 120, HLTH 121, Humanities elective (3 sem hrs), with a grade of "C" or better.
- ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC).
- GPA of 2.0 or above at the last college attended (other than ICC) **OR** completion of 18 credit hours of "program" courses at ICC or other colleges with a grade of "C" or better.

Requirements upon Program

Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program.

Recommended High School Subjects:

(1) four years of English (2) one year biology (3) two years of mathematics (4) one year of chemistry.

To Remain in and Graduate from the

Program: Maintain a grade of "C" or better in all required general education and program courses.

Nursing Continued

LPN Certificate Mission: The mission of Practical Nursing Program is to provide theory, laboratory, and clinical experiences to develop the knowledge, skills, and attitudes to transition the student nurse into the licensed practical nurse role. The nursing program is committed to high educational standards based on quality and safety, and best practices in nursing to prepare graduates for a successful professional nursing career as a Licensed Practical Nurse.

LPN Accreditation: The Licensed Practical Nursing program is fully approved by the Illinois Department of Financial and Professional Regulation and accredited by the Accreditation Commission for Education in Nursing. The Accreditation Commission for Education in Nursing (ACEN) is a resource for the nursing information contained in this catalog. The commission may be contacted as follows: Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, Phone: (404) 975-5000, Fax: (404) 975-5020. Graduates are eligible to take the National Council State Board of Nursing (NCSBN) Licensure Examination for Practical Nurses (NCLEX-PN) and may apply for licensure to practice nursing as a Licensed Practical Nurse (LPN).

Additional Program Info: This program is comprised of classroom, laboratory, and clinical learning experiences. Courses are offered at Illinois Central College campuses and other off-site locations. Students will learn to apply theoretical knowledge, and basic nursing skills to observe and report client/resident signs and symptoms. The Nursing Assistant, under the direction and supervision of a Registered Nurse or LPN, functions as a member of the health care team in the nursing home, hospital, or home health setting.

To Remain in and Graduate from the Program: Earn a grade of "C" or better in all required general education courses and nursing program courses.

Contact Information:
Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Registered Nursing Degree options on the previous pages.

Licensed Practical Nurse Certificate

Total Credit Hours: 34

PROGRAM COURSES:		CR. HRS.
BIOL 140	<u>HUMAN ANATOMY AND PHYSIOLOGY</u>	4
ENGL 110	<u>COMPOSITION I</u>	3
HLTH 121	<u>MEDICAL TERMINOLOGY</u>	2
PSY 110	<u>INTRODUCTION TO PSYCHOLOGY</u>	3
PRNRS 110	PRACTICAL NURSING I	9
PRNRS 111	PRACTICAL NURSING II	9
PRNRS 112	PRACTICAL NURSING III	4

Underlined courses may be taken prior to admission into the program

Recommended Course Sequence:

1st Semester: PRNRS 110; BIOL 140; HLTH 121

2nd Semester: PRNRS 111; ENGL 110

Summer Semester 1: PRNRS 112; PSY 110

Admission to LPN Program:

- High School graduate with GPA 2.6 or higher, or equivalent (i.e.: GED of 165 or higher), **OR** 5 hours of required courses from program sequence with a "C" or better.
- One year high school algebra with a "C" average or higher **OR** placement into MATH 098 or higher.
- Placement into ENGL 110 **OR** completion of ENGL 110 with a grade of "C" or better.
- Grade point average (GPA) of 2.0 or above at ICC or last college attended **OR** 5 hours of required courses from program sequence with a "C" or better.
- Active Illinois Certified Nursing Assistant Certification prior to starting nursing program courses.

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider. CPR certification must remain current throughout the program.
- Completion of HESI A2 PN Admission Assessment.
- Required attendance at the Nursing Program Admission Orientation and at the Nursing Student Orientation Day.

Recommended High School Subjects:

(1) three years of English (2) one year of anatomy and physiology, and biology (3) two years of mathematics, including one year of algebra.

Nursing Assistant Certificate

Total Credit Hours: 6

PROGRAM COURSES:		CR. HRS.
HLTH 112	NURSING ASSISTANT TRAINING	5
HLTH 116	NURSE ASSISTANT: ALZHEIMER	1

Recommended Course Sequence:

1st Semester: HLTH 112; HLTH 116

Nursing Assistant Mission: The mission of the Nursing Assistant Certificate program is to provide the resources, curriculum, and clinical experiences to enable program completers to gain knowledge, skills, and behaviors to attain entry-level employment as nursing assistants in long-term care facilities, hospitals, and other health care settings.

NA Accreditation: The Basic Nurse Assistant Training Program is approved by the Illinois Department of Public Health. Completers are eligible to take the Nurse Aide Competency Evaluation Program (NACEP) and become certified by the state of Illinois.

Admission to Nursing Assistant Program:

Accuplacer score of 44 or higher **OR** completion of appropriate English prerequisite with a "C" or higher.

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider. CPR certification must remain current throughout the program.

Occupational Therapy Assistant

AAS Mission: The mission of the Associate in Applied Science Occupational Therapy Assistant Degree Program at Illinois Central College is to effectively provide educational resources within theory, laboratory, and fieldwork experiences to prepare graduates for a successful career in occupational therapy service delivery and to begin practice as a competent, entry-level, generalist occupational therapy assistant.

Accreditation: The Occupational Therapy Assistant Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. ACOTE's telephone number, c/o AOTA is (301) 652-AOTA. Web address is www.acoteonline.org. Graduates of the program will be eligible to sit for the national certification examination for the occupational therapy assistant, administered by the National Board for Certification in Occupational Therapy (NBCOT). NBCOT will ask questions related to the topic of felonies. A felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure. NBCOT contact information is One Bank Street, Suite 300, Gaithersburg, MD 20878, (301) 990-7979. Email is info@nbcot.org and webaddress is www.nbcot.org. After successful completion of NBCOT exam, the graduate will be a Certified Occupational Therapy Assistant (COTA). In addition, most states require licensure to practice; however, state licenses are usually based on results of the NBCOT certification exam. Credentialing is a function of the NBCOT, not Illinois Central College or the American Occupational Therapy Association.

Additional Program Info: The certified occupational therapy assistant collaborates with the supervising occupational therapist to provide the use of occupations (everyday life activities) with individuals and/or groups across the life span. These occupations include ADLS (activities of daily living), IADLS (instrumental activities of daily living), education, work, rest, sleep, play, and social participation. Occupational therapy assistants provide services that will promote health, well-being, participation and engagement in occupation throughout one's lifespan. Occupational therapy assistants apply a holistic approach and recognize the significance of the mind, body and spirit as they focus on areas of physical, cognitive, psychosocial and sensory impairment. The occupational therapy assistant may be employed in a variety of traditional and emerging practice areas. These settings may include but are not limited to hospitals, skilled nursing facilities, out-patient clinics, schools, community-based centers, behavioral health programs and home health agencies.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Associate in Applied Science

Total Credit Hours: 66 to 67

GENERAL COURSES:		CR. HRS.
ENGL 110	<u>COMPOSITION I</u>	3
COMM 110	<u>INTRO TO COMM: PRESENTATION AND THEORY</u>	3
PSY 110	<u>INTRODUCTION TO PSYCHOLOGY</u>	3
	<u>MATHEMATICS/ LABORATORY SCIENCE*</u>	3-4
BIOL 140	<u>HUMAN ANATOMY AND PHYSIOLOGY</u>	4
	<u>HUMANITIES*</u>	3
PROGRAM COURSES:		CR. HRS.
HEOCC 200	<u>DISEASE PROCESSES IN MAN</u>	3
CHILD 120	<u>HUMAN GROWTH AND DEVELOPMENT</u>	3
OR	<u>CHILD AND ADOLESCENT DEVELOPMENT</u>	3
PSY 202	<u>FOUNDATIONS FOR THE OTA</u>	4
OTA 110	<u>OCCUPATIONAL THERAPY PROCESS FOR INDIVIDUALS AND GROUPS</u>	4
OTA 111	<u>MENTAL HEALTH AND FUNCTION ACROSS THE LIFESPAN</u>	4
OTA 112	<u>TASK ANALYSIS, ASSISTIVE TECHNOLOGY AND THERAPEUTIC MEDIA FOR THE OTA</u>	4
OTA 114	<u>APPLICATIONS OF ANATOMY AND KINESIOLOGY IN THE OCCUPATIONAL THERAPY PROCESS</u>	4
OTA 118	<u>OCCUPATIONAL THERAPY PROCESS AND INTERVENTIONS IN PEDIATRICS</u>	4
OTA 210	<u>OCCUPATIONAL THERAPY PROCESS AND INTERVENTIONS FOR PHYSICAL DYSFUNCTION</u>	4
OTA 211	<u>OCCUPATIONAL THERAPY ASSISTANT LEVEL II FIELDWORK-PEDIATRICS</u>	5
OTA 212	<u>OCCUPATIONAL THERAPY ASSISTANT LEVEL II FIELDWORK-PHYSICAL DYSFUNCTION</u>	5
OTA 213	<u>MANAGEMENT AND ADMINISTRATION FOR THE OTA</u>	3
OTA 220		

* See specific requirements for Associate in Applied Science Degree.

Underlined courses may be taken prior to admission into the program

AAS Information Continued:

Recommended Course Sequence:

Previous Semester (for pre-program courses): BIOL 140

1st Semester: OTA 110; OTA 111; OTA 118

2nd Semester: PSY 110; HEOCC 200; OTA 112; OTA 114

Summer Semester 1: CHILD 120 or PSY 202; COMM 110; Math and/or Lab Science

3rd Semester: ENGL 110; OTA 210; OTA 212

4th Semester: OTA 211; OTA 213; OTA 220; Humanities

Admission to the Program:

High School graduate with GPA 2.6 or higher, or equivalent (i.e. GED of 165 or higher) OR 9 hours of required courses from program sequence with a "C" or higher.

- One year of high school science with a grade of "C" or higher **OR** completion of an equivalent college science course with a grade of "C" or higher. (Science courses must be chemistry, human biology, or physics).
- One year of high school math with a grade of "C" or higher **OR** completion of an equivalent college math course with a grade of "C" or higher.
- Placement into ENGL 110
- ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC).
- GPA of 2.0 or above at the last college attended (other than ICC) **OR** 9 hours of required courses from program sequence with a "C" or higher.

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program.

Recommended High School Subjects: (1) three years of English (2) two years of science (3) two years of mathematics (4) one year of keyboarding (5) one year of art.

To Remain in and Graduate from the Program:

Maintain a grade of "C" or better in all required general education and program courses.

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Paramedic

AAS Mission: The mission of the Illinois Central College Emergency Medical Services Program is to prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

Accreditation: The Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services (coaemsp.org). Commission on Accreditation of Allied Health Education Programs, 1361 Park Street Clearwater, FL, 33756; 727-210-2350; www.caahep.org

Admission to Paramedic Program:

High school graduate or equivalent.

- COMPASS reading score of 72 or higher **OR** ACT reading score of 18 or higher **OR** completion of appropriate ENGL 110 prerequisites with a grade of "C" or better.
- ACT composite score of 20 or above **OR** have completed 18 or more credit hours of college transfer level courses (110 or higher) at ICC or equivalent courses at other colleges with a grade of "C" or better.
- ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC).
- GPA of 2.0 or above at the last college attended (other than ICC) **OR** completion of 18 credit hours of 'program' courses at ICC or other colleges with a grade of "C" or better.
- One year high school algebra with a grade of "C" average or higher **OR** completion of MATH 094 or MATH 097 or MATH 099 with a grade of "C" or better **OR** placement into MATH 098 or higher.

To Remain in and Graduate from the

Paramedic Program: Student must attain a final grade of "C" or better in BIOL 140/BIOL 206 and all EMS prefix courses.

Additional Info: Student is eligible for licensure as an EMT after successful completion of EMS 114.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 65 to 68

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	COMMUNICATION: PROCESS AND PRACTICE	3
PSY 110	INTRODUCTION TO PSYCHOLOGY	3
MATHEMATICS/SCIENCE**		3-4
AND		
BIOL 140	HUMAN ANATOMY AND PHYSIOLOGY**	4
OR		
BIOL 205	PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I**	4
AND		
BIOL 206	PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II**	4
HUMANITIES*		3

PROGRAM COURSES:		CR. HRS.
EMS 114	EMERGENCY MEDICAL TECHNICIAN (EMT)	8
EMS 116	TRAUMA LIFE SUPPORT	1
EMS 117	ADVANCED CARDIAC LIFE SUPPORT (ACLS)	1
EMS 118	PEDIATRIC EDUCATION FOR PRE-HOSPITAL PROVIDERS (PEPP)	1
EMS 120	EMT PRACTICUM	1-3
EMS 230	PARAMEDIC I	7
EMS 231	PARAMEDIC II	7
EMS 232	PARAMEDIC III	7.5
EMS 233	PARAMEDIC IV	6.5
EMS 240	PARAMEDIC PRACTICUM I	3
EMS 241	PARAMEDIC PRACTICUM II	3

* See specific requirements for Associate in Applied Science Degree.

** See your advisor to select appropriate BIOL sequence.

Recommended Course Sequence:

1st Semester: EMS 114; BIOL 140 or BIOL 205

2nd Semester: EMS 120; EMS 116; EMS 118; EMS 230; Math/Science or BIOL 206

Summer Semester 1: EMS 231

3rd Semester: EMS 232; COMM 110; ENGL 110

4th Semester: EMS 233; EMS 117; PSY 110; Humanities

Summer Semester 2: EMS 240; EMS 241

Requirements upon Acceptance to Paramedic Program:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program.

Emergency Medical Technician (EMT) Certificate

Total Credit Hours: 8

PROGRAM COURSES:		CR. HRS.
EMS 114	EMERGENCY MEDICAL TECHNICIAN (EMT)	8

Recommended Course Sequence:

1st Semester: EMS 114

EMT Mission: The mission of the Emergency Medical Technician certificate program is to prepare graduates for licensure/certification and employment as an EMT by providing theoretical knowledge, practicing technical skills, simulation, and field practicums, and enhancing professional behaviors.

Accreditation: EMS Program courses are approved by the Illinois Department of Public Health, Division of Emergency Medical Systems and Highway Safety.

Admission to the Program: High school graduate or equivalent; ACT scores with a composite of 12 or higher (tested prior to October 28, 1989) or 16 or above (tested October 28, 1989 or later) are recommended; drug screen, criminal background check, physical examination and immunizations will be required following program acceptance.

To Remain in and Graduate from the Program: Students must attain a grade of "C" or better in the EMS 114 course in order to graduate from the program.

Phlebotomist

Certificate Mission: The mission of the Phlebotomist Program is to prepare its graduates to properly and safely perform micropunctures and venipunctures in a professional manner by providing the resources, curriculum, and clinical experiences to its students.

Phlebotomists are employed in hospital laboratories, physician clinics, and other health care institutions to perform the collection of blood specimens by venipuncture and micropuncture techniques. Theory and practice in phlebotomy skills are studied in addition to ethical and legal responsibilities, effective communication skills, and safe practices. The program consists of lecture, offered in a hybrid online delivery format, student laboratories, and a clinical phlebotomy practicum arranged in a local hospital. Successful completion of the program will allow the graduate to seek employment as a phlebotomist and be eligible to take an appropriate phlebotomy certification examination.

Admission to the Program:

High school graduate or equivalent.

- Accuplacer score of 44 or higher **OR** completion of appropriate English prerequisite with a "C" or higher.
- One year high school Biology with a grade of "C" or higher **OR** completion of equivalent college Biology course with a "C" or higher.

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification (**might be required**) from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. **CPR certification, if required, must remain current throughout the program.**

To Remain in and Graduate from the

Program: Maintain a grade of "C" or better in all MLT and BIOL courses.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Certificate

Total Credit Hours: 8

PROGRAM COURSES:		CR. HRS.
BIOL 106	HUMAN BIOLOGY	4
OR		
BIOL 140	HUMAN ANATOMY AND PHYSIOLOGY	4
MLT 112	PHLEBOTOMY CLINICAL PRACTICUM	2
MLT 110	INTRODUCTION TO THE MEDICAL LABORATORY AND PHLEBOTOMY	2

Recommended Course Sequence:

1st Semester: BIOL 106 or BIOL 140;
MLT 110; MLT 112

Program courses may be offered during the spring, summer, and fall semesters.

Physical Therapist Assistant

AAS Mission: The mission of the Physical Therapist Assistant Program is to provide the knowledge and skills and develop attitudes which prepare graduates to function as entry level physical therapist assistants who will work under the direction and supervision of the physical therapist to meet the needs of the community in a variety of clinical settings.

Accreditation: This program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) 1111 North Fairfax Street, Alexandria, Virginia 22314; (703) 706-3245; email: accreditation@apta.org; website: <http://www.capteonline.org>

Admission to the Program:

High School graduate with GPA 2.6 or higher, or equivalent (i.e. GED of 165 or higher), OR 9 hours of required courses from program sequence with a "C" or higher.

- One year high school science with a "C" average or higher **OR** completion of an equivalent college science course with a grade of "C" or higher. (Science courses must be chemistry, human biology, or physics).
- One year of high school math with a grade of "C" or higher **OR** completion of an equivalent college math course with a grade of "C" or higher.
- Placement into ENGL 110
- 10 hours of documented observation in two different physical therapy departments.
- ICC grade point average (GPA) of a 2.0 or above.
- GPA of 2.0 or above at the last college attended (other than ICC) **OR** 9 hours of required courses from program sequence with a "C" or higher.

High School Recommendations: 3 years English, 1 year biology, 1 year chemistry, 2 years mathematics

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 70 to 71

GENERAL COURSES:		CR. HRS.
ENGL 110	<u>COMPOSITION I</u>	3
COMM 110	<u>INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY</u>	3
OR		
COMM 113	<u>BUSINESS AND PROFESSIONAL SPEAKING</u>	3
PSY 110	<u>INTRODUCTION TO PSYCHOLOGY</u>	3
	<u>MATHEMATICS *</u>	3
AND		
BIOL 140	<u>HUMAN ANATOMY AND PHYSIOLOGY **</u>	4
OR		
BIOL 205	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I **</u>	4
AND		
BIOL 206	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II **</u>	4
	<u>HUMANITIES *</u>	3
PROGRAM COURSES:		CR. HRS.
HEOCC 200	<u>DISEASE PROCESSES IN MAN</u>	3
HLTH 121	<u>MEDICAL TERMINOLOGY</u>	2
PHTA 111	<u>INTRODUCTION TO PHYSICAL THERAPY INTERVENTIONS</u>	5.5
PHTA 112	<u>INTRODUCTION TO PHYSICAL THERAPY</u>	1.5
PHTA 116	<u>ANATOMY AND KINESIOLOGY FOR THE PHYSICAL THERAPIST ASSISTANT</u>	5
PHTA 118	<u>PRINCIPLES OF ORTHOPEDIC REHABILITATION</u>	6
PHTA 130	<u>CLINICAL I</u>	1.5
PHTA 216	<u>PRINCIPLES OF THERAPEUTIC MODALITIES</u>	4
PHTA 218	<u>PRINCIPLES OF NEUROLOGICAL REHABILITATION</u>	6
PHTA 220	<u>SPECIAL PATIENT POPULATIONS</u>	5.5
PHTA 222	<u>MANAGEMENT AND ADMINISTRATION FOR THE PHYSICAL THERAPIST ASSISTANT</u>	2.5
PHTA 230	<u>CLINICAL II</u>	2.5
PHTA 232	<u>CLINICAL III</u>	3
PSY 202	<u>CHILD AND ADOLESCENT DEVELOPMENT</u>	3

* See specific requirements for Associate in Applied Science Degree.

** Must be completed prior to starting the first fall semester

Underlined courses may be complete prior to admission to the program

AAS Information Continued:

Recommended Course Sequence:

Previous Semester: BIOL 140 or BIOL 205 AND BIOL 206; HLTH 121

1st Semester: ENGL 110; HEOCC 200; PHTA 111; PHTA 116

2nd Semester: PSY 110; COMM 110 or 113; PHTA 112; PHTA 118; PHTA 130

Summer Semester 1: PHTA 216

3rd Semester: PSY 202; Math or second lab science; PHTA 218; PHTA 230

4th Semester: Humanities; PHTA 220; PHTA 222; PHTA 232

Requirements upon Program

Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program.

To Remain in and Graduate from the

Program: Maintain a grade "C" or better in all required general education and program courses.

Radiographer

AAS Mission: The mission of the Radiographer Program is to prepare competent entry-level radiographers able to function within the healthcare community.

Accreditation: The Radiography Program is accredited by the Joint Review Committee on Education in Radiologic Technology (<http://jrcert.org/>) 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182, phone (312) 704-5300.

Admission to the Program:

High School graduate with GPA 2.6 or higher, or equivalent (i.e. GED of 165 or higher) OR 9 hours of required courses from program sequence with a "C" or higher.

- One year high school science with a "C" average or higher **OR** completion of an equivalent college science course with a grade of "C" or higher. (Science courses must be chemistry, human biology, or physics).
- Placement into ENGL 110.
- Two years of high school algebra with a "C" or higher or completion of MATH 110 prerequisites.
- Completion of RADTK 100
- ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC).
- GPA of 2.0 or above at the last college attended (other than ICC) **OR** 9 hours of required courses from program sequence with a "C" or higher.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

See next page for
related certificate

Associate in Applied Science

Total Credit Hours: 67.5 to 68.5

GENERAL COURSES:

	CR. HRS.
ENGL 110 <u>COMPOSITION I</u>	3
COMM 110 <u>INTRO TO COMM: PRESENTATION AND THEORY</u>	3
PSY 110 <u>INTRODUCTION TO PSYCHOLOGY</u>	3
BIOL 140 <u>HUMAN ANATOMY AND PHYSIOLOGY</u>	4
MATH 110 <u>CONCEPTS OF MATHEMATICS</u>	3
OR	
MATH 115 <u>COLLEGE ALGEBRA</u>	4
<u>HUMANITIES*</u>	3

PROGRAM COURSES:

	CR. HRS.
HLTH 121 <u>MEDICAL TERMINOLOGY</u>	2
RADTK 100 <u>EXPOSURE TO RADIOGRAPHY**</u>	0.5
RADTK 110 <u>FUNDAMENTALS OF RADIOGRAPHY I</u>	6
RADTK 112 <u>FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE ORIENTATION</u>	1
RADTK 120 <u>FUNDAMENTALS OF RADIOGRAPHY II</u>	6
RADTK 121 <u>FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE I</u>	3
RADTK 200 <u>RADIOGRAPHY I</u>	3
RADTK 201 <u>FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE II</u>	2
RADTK 210 <u>RADIOGRAPHY II</u>	6
RADTK 211 <u>RADIOGRAPHY, DIRECTED PRACTICE III</u>	3
RADTK 221 <u>RADIOGRAPHY, DIRECTED PRACTICE IV</u>	3
RADTK 230 <u>RADIOGRAPHY IV</u>	2
RADTK 231 <u>RADIOGRAPHY, DIRECTED PRACTICE V</u>	2
RADTK 260 <u>SECTIONAL ANATOMY FOR DIAGNOSTIC IMAGING</u>	3
RADTK 270 <u>PATHOLOGY AND PHARMACOLOGY FOR THE IMAGING PROFESSIONAL</u>	3
RADTK 280 <u>COMPUTED TOMOGRAPHY PRINCIPLES, INSTRUMENTATION AND IMAGING PROCEDURES</u>	3

* PHIL 113 is recommended.

** RADTK 100 must be completed prior to program application.

Underlined classes can be taken prior to acceptance into the program.

AAS Information Continued:

Recommended Course Sequence:

Previous Semester: RADTK 100

1st Semester: BIOL 140; HLTH 121; MATH 110 or MATH 115; RADTK 110; RADTK 112

2nd Semester: ENGL 110; PSY 110; RADTK 120; RADTK 121

Summer Semester 1: RADTK 200; RADTK 201

3rd Semester: RADTK 210; RADTK 211; COMM 110; RADTK 260

4th Semester: RADTK 221; RADTK 270; RADTK 280

Summer Semester 2: RADTK 230; RADTK 231; HUMANITIES

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program.

To Remain in and Graduate from the

Program: Earn a grade of "C" or better in MATH 110 or MATH 115, BIOL 140 and all RADTK courses.

Additional Program Info: A registered radiographer who has previously graduated from a JRCERT accredited hospital-based radiography program may complete an Associate in Applied Science degree. Admission requirements include: (1) certification by and current registration with the American Registry of Radiologic Technologists (ARRT); (2) graduation from a JRCERT accredited hospital-based radiography program; (3) eligibility for college admission. To receive the degree, the student must complete thirty (30) credit hours of courses. Courses listed below are in addition to those underlined. A maximum of thirty-seven (37) credit hours will be awarded for approved radiography courses. RADTK 260 Sectional Anatomy for Diagnostic Imaging- 3; RADTK 270 Pathology and Pharmacology for the Imaging Professional-3; RADTK 280 Computed Tomography Principles, Instrumentation and Imaging Procedures-3.

Radiographer Continued

Computed Tomography Mission: The mission of the Computed Tomography Program is to prepare knowledgeable and skilled entry-level CT technologists to meet the needs of the medical community.

Admission to the Program:

Successful completion of an accredited program in: radiologic technology, nuclear medicine technology and/or radiation therapy technology with a minimum cumulative grade point average of 2.50.

- Currently hold national certification and registration in Radiography, Radiation Therapy, or Nuclear Medicine through ARRT or NMTCB.
- This one-semester program is offered in the spring and fall semesters with limited enrollment based on clinical availability.
- Drug screen, criminal background check, physical exam, and proof of immunizations, will be required following program acceptance.
- Required proof of current CPR certification: American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider by specified date. Proof of certification must be in the form of an original or photocopy of course completion card issued by either the AHA or ARC. Students are required to maintain current CPR certification throughout the program.

To Remain in and Graduate from the

Program: Maintain a "C" and/or "S" or better in all RADTK courses.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

*Radiographer AAS degree
on previous page*

Computed Tomography Certificate

Total Credit Hours: 14

PROGRAM COURSES:		CR. HRS.
RADTK 260	SECTIONAL ANATOMY FOR DIAGNOSTIC IMAGING	3
RADTK 270	PATHOLOGY AND PHARMACOLOGY FOR THE IMAGING PROFESSIONAL	3
RADTK 280	COMPUTED TOMOGRAPHY PRINCIPLES, INSTRUMENTATION AND IMAGING PROCEDURES	3
RADTK 285	COMPUTED TOMOGRAPHY PRACTICUM	3
RADTK 290	COMPUTED TOMOGRAPHY REVIEW	2

Recommended Course Sequence:

1st Semester: RADTK 260, RADTK 270, RADTK 280, RADTK 285, RADTK 290

Additional Program Info: This certificate program is online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or icc.edu/VirtualCampus.

Respiratory Therapist

AAS Mission: The mission of the Respiratory Therapist program is to prepare graduates to enter the professional practice of respiratory care by providing the resources, curriculum, and clinical experience to assume primary clinical responsibilities for respiratory care modalities.

Accreditation: The program is fully accredited by the Commission on Accreditation for Respiratory Care (CoARC), 1248 Harwood Road, Bedford, TX 76021-4244, phone (817) 283-2835. www.coarc.com

Admission to the Program:

High school graduate with GPA 2.6 or higher, or equivalent (i.e. GED of 165 or higher) OR 9 hours of required courses from program sequence with a "C" or higher.

- One year high school chemistry with a "C" average or higher OR completion of an equivalent college chemistry course with a grade of "C" or higher.
- One year high school algebra with a "C" average or higher OR placement into MATH 098 or higher.
- Placement into ENGL 110.
- ICC grade point average (GPA) of 2.0 or above (if you have attended ICC).
- GPA of 2.0 or above at the last college attended (other than ICC) OR 9 hours of required courses from program sequence with a "C" or higher.

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent). CPR certification must remain current throughout the program.

To Remain in and Graduate from the Program:

Students must maintain a grade of "C" or better in all required general education and program courses.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 63 to 67

GENERAL COURSES:		CR. HRS.
ENGL 110	<u>COMPOSITION I</u>	3
COMM 110	<u>INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY</u>	3
PSY 110	<u>INTRODUCTION TO PSYCHOLOGY</u>	3
BIOL 140	<u>HUMAN ANATOMY AND PHYSIOLOGY</u>	4
OR		
BIOL 205	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I</u>	4
AND		
BIOL 206	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II</u>	4
BIOL 210	<u>MICROBIOLOGY</u>	4
	<u>HUMANITIES*</u>	3

PROGRAM COURSES:		CR. HRS.
HEOCC 114	<u>INTRODUCTION TO INTERDISCIPLINARY HEALTH CARE</u>	1
HLTH 108	<u>ELECTROCARDIOGRAM INTERPRETATION</u>	1
HLTH 121	<u>MEDICAL TERMINOLOGY</u>	2
RESP 112	FUNDAMENTALS OF RESPIRATORY CARE I	4
RESP 115	RESPIRATORY CARE PRACTICUM I	3
RESP 121	FUNDAMENTALS OF RESPIRATORY CARE II	5
RESP 122	CARDIOPULMONARY ANATOMY AND PHYSIOLOGY	2
RESP 123	PHARMACOLOGY FOR RESPIRATORY CARE	2
RESP 125	RESPIRATORY CARE PRACTICUM II	3
RESP 127	CARDIOPULMONARY DISEASES	3
RESP 201	INTRODUCTION TO MECHANICAL VENTILATION	1
RESP 210	FUNDAMENTALS OF RESPIRATORY CARE III	5
RESP 220	RESPIRATORY CARE PRACTICUM III	3
RESP 231	FUNDAMENTALS OF RESPIRATORY CARE IV	4
RESP 235	RESPIRATORY CARE PRACTICUM IV	3
RESP 240	RESPIRATORY THERAPY CAPSTONE	1

* See specific requirements for Associate in Applied Science Degree.

Underlined courses may be taken prior to admission into the program.

AAS Information Continued:

Recommended Course Sequence:

1st Semester: ENGL 110; RESP 112; RESP 115; RESP 122; HLTH 121

2nd Semester: RESP 121; RESP 123; RESP 125; RESP 127; BIOL 205 or BIOL 140

Summer Semester 1: PSY 110; RESP 201; BIOL 210

3rd Semester: RESP 210; RESP 220; BIOL 206 (if needed); HEOCC 114; Humanities

4th Semester: RESP 231; RESP 235; RESP 240; HLTH 108; COMM 110

Respiratory care is a health care specialty, which, under medical direction, is involved in the prevention, treatment, management and rehabilitation of people with lung problems. Respiratory care therapists are instrumental in life support and emergency measures and are experts in providing specialized and selective therapeutic respiratory care including medical gas administration, humidity and aerosol medication administration, cardiopulmonary resuscitation, and ventilatory support. They are also capable of performing pulmonary function studies, blood gas analysis and other related physiologic monitoring. Respiratory care practitioners (advanced-practice therapist) specialize in the application of scientific knowledge and theory to practical clinical problems of respiratory care, and is capable of serving as a technical resource to the physician regarding current practices in respiratory care and to hospital staff concerning effective and safe methods of administering respiratory therapy. The advanced-practice respiratory therapist is qualified to assume primary clinical responsibility for all respiratory care modalities, including supervision of respiratory therapy technician functions. Graduates of this 21-month program earn an Associate in Applied Science (AAS) degree and are eligible to take the National Board for Respiratory Care exam to become a Registered Respiratory Therapist (RRT). Students participate in learning opportunities within classroom, laboratory and clinical settings at the College, at OSF Saint Francis Medical Center, Unity Point Healthcare and other health care facilities within the community.

Surgical Technologist

AAS Mission: The mission of the Surgical Technologist program is to prepare competent, entry-level surgical technologists to function within the healthcare community, while focusing on cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Accreditation: Commission on Accreditation of Allied Health Programs in cooperation with the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA).

Admission to the Program:

High School graduate with GPA 2.6 or higher, or equivalent (i.e. GED of 165 or higher) OR 9 hours of required courses from program sequence with a "C" or higher.

- Placement into ENGL 110.
- ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC).
- GPA of 2.0 or above at the last college attended (other than ICC) **OR** 9 hours of required courses from program sequence with a "C" or higher.
- Completion of SURTK 100.

Requirements upon Acceptance:

- Drug screen, fingerprint criminal background check, physical exam, and immunizations.
- Documentation of current CPR certification from the American Heart Association (AHA) *Healthcare Provider* (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) *Professional Rescuer and Health Care Provider*. CPR certification must remain current throughout the program.

To Remain in and Graduate from the

Program: Students must earn a grade of "C" or better in all BIOL and Program courses.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 61 to 65

GENERAL COURSES:		CR. HRS.
ENGL 110	<u>COMPOSITION I</u>	3
COMM 110	<u>INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY</u>	3
PSY 110	<u>INTRODUCTION TO PSYCHOLOGY</u>	3
BIOL 140	<u>HUMAN ANATOMY AND PHYSIOLOGY</u>	4
OR		
BIOL 205	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I</u>	4
AND		
BIOL 206	<u>PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II</u>	4
BIOL 210	<u>MICROBIOLOGY</u>	3
	<u>HUMANITIES*</u>	3

PROGRAM COURSES:		CR. HRS.
HEOCC 200	<u>DISEASE PROCESSES IN MAN</u>	3
HLTH 110	<u>FUNDAMENTALS OF STERILE PROCESSING</u>	2
HLTH 121	<u>MEDICAL TERMINOLOGY</u>	2
SURTK 100	ORIENTATION TO SURGICAL TECHNOLOGY	0.5
SURTK 105	PRINCIPLES AND PRACTICES OF SURGICAL SERVICES	3
SURTK 120	INTRODUCTION TO SURGICAL TECHNOLOGY	4
SURTK 121	FUNDAMENTALS OF SURGICAL TECHNOLOGY I	6
SURTK 122	FUNDAMENTALS OF SURGICAL TECHNOLOGY II	4
SURTK 130	PHARMACOLOGY FOR THE SURGICAL TECHNOLOGIST	1
SURTK 141	SURGICAL TECHNOLOGY, CLINICAL PRACTICE I	2.5
SURTK 142	SURGICAL TECHNOLOGY, CLINICAL PRACTICE II	1
SURTK 210	FUNDAMENTALS OF SURGICAL TECHNOLOGY III	7
SURTK 240	SURGICAL TECHNOLOGY, CLINICAL PRACTICE III	3.5
SURTK 250	SYNTHESIS OF SURGICAL TECHNOLOGY	1.5

* See specific requirements for Associate in Applied Science Degree.

Underlined courses may be taken prior to admission into the program.

AAS Information Continued:

Recommended Course Sequence:

Previous Semester: SURTK 100, SURTK 105, HLTH 110

1st Semester: BIOL 140 or BIOL 205; ENGL 110; HLTH 121; SURTK 120; SURTK 130

2nd Semester: BIOL 206 (if 205 is taken); BIOL 210; HEOCC 200; SURTK 121; SURTK 141;

Summer Semester 1: SURTK 122; COMM 110; SURTK 142

3rd Semester: SURTK 210; SURTK 240; SURTK 250; HUMANITIES; PSY 110

Additional Program Info:

A minimum of (61) credit hours must be completed to graduate from the AAS program.

Students are advised to complete all BIOL prior to first SURTK course.

Recommended High School Subjects:

(1) four years of English/communication (2) two years of mathematics (3) three years of biological science.



Hospitality & Tourism Career Cluster

The management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Culinary Arts Management.....	89
Associate in Applied Science	89
Certificate	89
Restaurant Management	90
Associate in Applied Science	90

Culinary Arts Management

AAS Mission: The Mission of the Culinary Arts Management Associate in Applied Science Degree program is to prepare students for employment in the restaurant industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

AAS Accreditation: This program is accredited by the American Culinary Federation Educational Foundation (ACFEF).

Certificate Mission: The mission of the Culinary Arts Certificate program is to prepare students for entry level employment in the restaurant industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

Certificate Accreditation: Illinois Central College is a Professional Management Development Partner with the National Restaurant Association Educational Foundation. Upon completion of the certificate the student will earn the Professional Management Development (ProMgmt.) Certificate of completion.

Admission to the Program:

Students must complete basic skills placement testing prior to admission to this program.

Contact Information:

Culinary Arts Institute
ICC Peoria Campus, Dogwood Hall
AAS Telephone: (309) 690-6836

CERT Telephone:

Last name (A-I) (309) 690-6890
Last name (J-O) (309) 690-6846
Last name (P-Z) (309) 690-6889

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 64

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
	<i>SOCIAL SCIENCE*</i>	3
	<i>LABORATORY SCIENCE*</i>	4
BUS 120	BUSINESS	3
OR	MATHEMATICS	3
MATH 110	CONCEPTS OF MATHEMATICS	3
	OR Higher	
	<i>HUMANITIES*</i>	3
PROGRAM COURSES:		CR. HRS.
CA 150	PROFESSIONAL COOKING	3
CA 151	SANITATION AND PRODUCT IDENTIFICATION	3
CA 153	BAKING	3
CA 155	MEAT, POULTRY AND FISH	3
CA 156	SAUCES	3
CA 157	GARDE MANGER	3
CA 175	TOPICS IN CULINARY ARTS	3
CA 211	HOSPITALITY MANAGEMENT AND MARKETING	3
CA 212	FOODSERVICE COST CONTROL	3
CA 213	BEVERAGE MANAGEMENT	3
CA 214	FRONT OF THE HOUSE	2
CA 215	CULINARY NUTRITION	2
CA 217	INTRODUCTION TO CATERING	3
CA 220	ADVANCED PROFESSIONAL COOKING	3
CA 225	INTERNSHIP IN CULINARY ARTS	2
CA 253	ADVANCED BAKING	3

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: ENGL 110; BUS 120 or MATH 110; CA 151; CA 215; SOCIAL SCIENCE
2nd Semester: CA 150; CA 155; CA 214; LABORATORY SCIENCE
Summer Semester 1: CA 211; HUMANITIES
3rd Semester: CA 153; CA 253; CA 156; CA 175; CA 217; COMM 110
4th Semester: CA 157; CA 213; CA 220; CA 212; CA 225

Certificate

Total Credit Hours: 37

PROGRAM COURSES:		CR. HRS.
BUS 120	BUSINESS	3
OR	MATHEMATICS	3
<i>APPROVED</i>	MATHEMATICS	3
CA 150	PROFESSIONAL COOKING	3
CA 151	ADVANCED SANITATION AND SAFETY	3
CA 153	BAKING	3
CA 155	MEAT, POULTRY AND FISH	3
CA 157	GARDE MANGER	3
CA 211	FOODSERVICE MARKETING	3
CA 212	FOODSERVICE COST CONTROL	4
CA 213	BEVERAGE MANAGEMENT	3
CA 215	FOODSERVICE NUTRITION AND MENU PLANNING	3
ENGL 110	COMPOSITION I	3
HOS 110	INTRODUCTION TO HOSPITALITY MANAGEMENT	3

Recommended Course Sequence:

1st Semester: CA 150; CA 151; CA 153; CA 155
2nd Semester: CA 211; CA 213; CA 215; BUS 120 or Approved Math
3rd Semester: HOS 110; ENGL 110; CA 212; CA 157

Restaurant Management

AAS Mission: The mission of the Restaurant Management Associate in Applied Science degree program is to prepare students for employment in the restaurant industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

Contact Information:

Culinary Arts Program
ICC North Campus
Dogwood Hall
309-690-6836

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 60

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
ENGL 125	BUSINESS	
OR	COMMUNICATIONS	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
	ECONOMICS**	3
BUS 120	BUSINESS MATHEMATICS	3
	LABORATORY SCIENCE/	
	MATHEMATICS*	4
	HUMANITIES*	3

PROGRAM COURSES:		CR. HRS.
BUS 215	LEGAL ENVIRONMENT OF BUSINESS	3
CA 150	PROFESSIONAL COOKING	3
CA 151	ADVANCED SANITATION AND SAFETY	3
CA 211	FOODSERVICE MARKETING	3
CA 212	FOODSERVICE COST CONTROL	4
CA 213	BEVERAGE MANAGEMENT	3
CA 214	FRONT OF THE HOUSE	2
CA 215	FOODSERVICE NUTRITION AND MENU PLANNING	3
CA 217	INTRODUCTION TO CATERING	3
CA 225	INTERNSHIP IN CULINARY ARTS	3
CMGEN 120	COMPUTER APPLICATIONS	3
HLTH 120	FIRST AID	2
HOS 110	INTRODUCTION TO HOSPITALITY MANAGEMENT	3
MGMT 205	PERSONNEL MANAGEMENT	3

* See specific requirements for Associate in Applied Science Degree.

** ECON 105, 110, or 111.

Recommended Course Sequence:

1st Semester: CA 150; CA 151; ENGL 110; BUS 120; HOS 110

2nd Semester: CA 212; CA 213; HLTH 120; BUS 215

Summer Semester 1: CMGEN 120

3rd Semester: CA 215; CA 211; CA 217; MGMT 205; Lab Science/Math

4th Semester: CA 214; CA 225; ENGL 125 or COMM 110; Humanities

Summer Semester 2: Economics



Human Services Career Cluster

Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Drug and Alcohol Counselor Training.....	92
Associate in Applied Science	92
Certificate	92
Early Childhood Education	93
Associate in Applied Science	93
Early Childhood Education – Basic Certificate	93
Early Childhood Education – Advanced Certificate	93

For recommended courses in these transfer areas, see Transfer Degrees:

- Geography
- History
- International Business
- Liberal Arts
- Philosophy
- Psychology
- Sociology

Drug and Alcohol Counselor Training

AAS Mission: The mission of the Associate in Applied Science Drug and Alcohol Counselor Training degree is to prepare students to work as a professional in the field of drug and alcohol treatment. After completing the curriculum, students can complete the Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification exam.

Certificate Mission:

The mission of the Drug and Alcohol Counselor Training certificate is to prepare students to work as a professional in the field of drug and alcohol treatment. After completing the curriculum, students can complete the Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification exam.

AAS Additional Information: In addition to the listed general education requirements, students will be exposed to a variety of issues and counseling skills specific to the needs of the chemically dependent client. This training will provide employment opportunities in a variety of community mental health programs or other Illinois Department of Alcohol and Substance Abuse recognized chemical dependency programs. The core classes listed in this curriculum will also qualify as accepted continuing education credits for those students who are currently certified in pursuit of continuing education specific to the profession of drug and alcohol counseling.

Accreditation: Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification exam.

To Remain in and Graduate from the

Program: Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:

Drug and Alcohol Counselor
Training Office
Peoria Campus
(309) 690-6898

Associate in Applied Science

Total Credit Hours: 61

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
PSY 110	INTRODUCTION TO PSYCHOLOGY	3
BIOL 140	HUMAN ANATOMY AND PHYSIOLOGY	4
	MATHEMATICS*	3
	HUMANITIES*	3

PROGRAM COURSES:		CR. HRS.
DACT 110	FOUNDATIONS I	3
DACT 111	ADDICTION COUNSELING I	3
DACT 112	FOUNDATIONS II	3
DACT 113	ADDICTION COUNSELING II	3
DACT 210	ADDICTION COUNSELING III	3
DACT 211	COUNSELING AND HUMAN CHANGE	3
DACT 212	INTERNSHIP SEMINAR	9
HUMSV 110	INTRODUCTION TO HUMAN SERVICES	3
PSY 112	PERSONALITY	3
PSY 225	ABNORMAL PSYCHOLOGY	3
PSY 250	INTRODUCTION TO RESEARCH METHODS IN THE BEHAVIORAL SCIENCES	3

ELECTIVE COURSES:		CR. HRS.
	PSYCHOLOGY/ SOCIOLOGY ELECTIVE**	3

* See specific requirements for Associate in Applied Science Degree.

** SOC 120, 219, PSY 202, 210

Recommended Course Sequence:

1st Semester: PSY 110; BIOL 140; DACT 110; DACT 111; HUMSV 110; ENGL 110

2nd Semester: COMM 110; DACT 112; DACT 113; Math

3rd Semester: PSY 112; DACT 210; DACT 211; PSY 225; Humanities; PSY/SOC Electives

4th Semester: PSY 250; DACT 212

Certificate

Total Credit Hours: 27

PROGRAM COURSES:		CR. HRS.
DACT 110	FOUNDATIONS I	3
DACT 111	ADDICTION COUNSELING I	3
DACT 112	FOUNDATIONS II	3
DACT 113	ADDICTION COUNSELING II	3
DACT 210	ADDICTION COUNSELING III	3
DACT 211	COUNSELING AND HUMAN CHANGE	3
DACT 212	INTERNSHIP SEMINAR	9

Recommended Course Sequence:

1st Semester: DACT 110; DACT 111

2nd Semester: DACT 112; DACT 113

3rd Semester: DACT 210; DACT 211

4th Semester: DACT 212

Early Childhood Education

AAS Mission: The mission of the Early Childhood Education Associate in Applied Science Degree is to prepare students for employment in the early childhood education field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of early childhood education and preparing them for the Gateways ECE Level 4 Credential.

Basic Certificate Mission: The mission of the Early Childhood Education Basic Certificate program is to prepare students for employment in the early childhood education field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of early childhood education and preparing them for the Gateways ECE Level 2 Credential, which can lead to Level 3 and Level 4 Credentials.

Advanced Certificate Mission: The mission of the Early Childhood Education Advanced Certificate program is to prepare students for employment in the early childhood education field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of early childhood education and preparing them for the Gateways ECE Level 3 Credential, which can lead to the Level 4 Credential.

To Remain in and Graduate from the Program:

Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.

Students must attain a "C" or better in each program course to be retained in and graduate from the program.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center Room 205
(309) 694-5558

Associate in Applied Science

Total Credit Hours: 60

GENERAL COURSES: CR. HRS.

ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
PSY 110	INTRODUCTION TO PSYCHOLOGY	3
	MATHEMATICS*	3
	LABORATORY SCIENCE*	4
CHILD 231	LITERATURE FOR CHILDREN	3

PROGRAM COURSES: CR. HRS.

CHILD 110	INTRODUCTION TO EARLY CHILDHOOD	3
CHILD 120	GROWTH AND DEVELOPMENT OF THE YOUNG CHILD	3
CHILD 130	CURRICULUM FOR EARLY CHILDHOOD PROGRAMS	3
CHILD 134	OBSERVATION AND ASSESSMENT OF YOUNG CHILDREN	3
CHILD 140	CHILD, FAMILY, AND COMMUNITY	3
CHILD 142	HEALTH, SAFETY, AND NUTRITION FOR THE YOUNG CHILD	3
CHILD 220	MATH METHODS IN EARLY CHILDHOOD	3
CHILD 222	FINE ARTS AND SOCIAL STUDIES IN EARLY CHILDHOOD	3
CHILD 224	SCIENCE METHODS FOR EARLY CHILDHOOD EDUCATION	2
CHILD 225	GUIDING SOCIAL AND EMOTIONAL DEVELOPMENT IN EARLY CHILDHOOD	3
CHILD 232	LANGUAGE AND LITERACY DEVELOPMENT IN EARLY CHILDHOOD	3
CHILD 235	TEACHING DIVERSE POPULATIONS	3
CHILD 240	CHILD DEVELOPMENT PRACTICUM I	3
EDUC 213	DIVERSE LEARNERS IN THE CLASSROOM	3

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: CHILD 110; CHILD 120; CHILD 140; ENGL 110; Lab Science
2nd Semester: CHILD 130; CHILD 134; CHILD 142; PSY 110; COMM 110
3rd Semester: CHILD 220; CHILD 222; CHILD 224; CHILD 225; CHILD 232
4th Semester: CHILD 231; CHILD 235; CHILD 240; EDUC 213; Math

Early Childhood Education – Basic Certificate

Total Credit Hours: 18

PROGRAM COURSES: CR. HRS.

CHILD 110	INTRODUCTION TO EARLY CHILDHOOD	3
CHILD 120	GROWTH AND DEVELOPMENT OF THE YOUNG CHILD	3
CHILD 130	CURRICULUM FOR EARLY CHILDHOOD PROGRAMS	3
CHILD 134	OBSERVATION AND ASSESSMENT OF YOUNG CHILDREN	3
CHILD 140	CHILD, FAMILY, AND COMMUNITY	3
CHILD 142	HEALTH, SAFETY, AND NUTRITION FOR THE YOUNG CHILD	3

Recommended Course Sequence:

1st Semester: CHILD 110; CHILD 120; CHILD 140
2nd Semester: CHILD 130; CHILD 134; CHILD 142

Early Childhood Education – Advanced Certificate

Total Credit Hours: 27

GENERAL COURSES: CR. HRS.

ENGL 110	COMPOSITION I	3
PSY 110	INTRODUCTION TO PSYCHOLOGY	3

PROGRAM COURSES:

CHILD 110	INTRODUCTION TO EARLY CHILDHOOD	3
CHILD 120	GROWTH AND DEVELOPMENT OF THE YOUNG CHILD	3
CHILD 130	CURRICULUM FOR EARLY CHILDHOOD PROGRAMS	3
CHILD 134	OBSERVATION AND ASSESSMENT OF YOUNG CHILDREN	3
CHILD 140	CHILD, FAMILY, AND COMMUNITY	3
CHILD 142	HEALTH, SAFETY, AND NUTRITION FOR THE YOUNG CHILD	3
CHILD 220	MATH METHODS IN EARLY CHILDHOOD	3

Recommended Course Sequence:

1st Semester: CHILD 110; CHILD 120; CHILD 140; ENGL 110
2nd Semester: CHILD 130; CHILD 134; CHILD 142; PSY 110
3rd Semester: CHILD 220



Information Technology Career Cluster

Building linkages in IT occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Cisco Networking Specialist	95
Associate in Applied Science	95
Cisco Certified Network Associate (CCNA) Certificate.....	95
Cisco Certified Network Professional (CCNP) Certificate	95
Computer Programming and Database Development.....	96
Associate in Applied Science	96
Certificate	96
Network Administrator	97
Associate in Applied Science	97
Networking Certificate	97
Secure Software Development	98
Associate in Applied Science	98
Web Systems	99
Associate in Applied Science	99
Web Developer Certificate	100
Web Developer Apprentice Certificate	100

For recommended courses in these transfer areas, see Transfer Degrees:

- Computer Information Systems – Business Emphasis
- Computer Information Systems – Technical Emphasis

Cisco Networking Specialist

AAS Mission: The mission of the Cisco Networking Specialist degree is to prepare students for employment in the networking field through education and training on real-world networking equipment by specializing in areas of cabling, network design, core routing and switching technologies, and security concepts, as well as telephony and wireless technologies. The program is aligned to several highly-sought after Cisco certifications including the CCNA and CCNP.

CCNA Certificate Mission: The Cisco Certified Network Associate (CCNA) Certificate is designed to provide students with hands-on networking experience in associate-level technologies that focuses on core routing and switching. Instruction includes, but is not limited to networking standards, LAN protocols, WAN protocols, cabling standards, IP addressing, and various routing protocols. The certificate is career-focused and certification aligned aimed at helping students prepare for entry-level networking opportunities.

CCNP Certificate Mission: The Cisco Certified Network Professional (CCNP) Certificate is designed to provide students with hands-on networking experience in enterprise-level networking that develops an advanced understanding of routing and switching technologies. Instruction includes, but is not limited to advanced knowledge of routing protocols, LAN protocols, WAN protocols, and further hands-on experience with enterprise-level network devices and their configurations. The certificate is career-focused and certification aligned aimed at helping students prepare for professional-level networking opportunities.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309)694-5558

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 62

GENERAL COURSES:	CR. HRS.
ENGLISH*	3
COMMUNICATION*	3
SOCIAL SCIENCE*	3
LABORATORY SCIENCE/ MATHEMATICS*	6
HUMANITIES/FINE ARTS*	3

PROGRAM COURSES:	CR. HRS.
CMCIS 147 FUNDAMENTALS OF VOICE AND DATA CABLING I	4
CMCIS 151 NETWORK FUNDAMENTALS	4
CMCIS 152 ROUTING AND SWITCHING ESSENTIALS	4
CMCIS 153 SCALING NETWORKS	4
CMCIS 154 WAN COMMUNICATION	4
CMCIS 156 CCNA VOICE**	3
OR	
CMCIS 157 CCNA WIRELESS**	3
OR	
CMCIS 170 CCNA CYBERSECURITY**	3
CMCIS 158 CCNA SECURITY	3
CMCIS 271 CCNP ROUTE	4
CMCIS 273 CCNP SWITCH	4
CMCIS 274 CCNP TROUBLESHOOTING	4
CMNET 150 COMPUTER HARDWARE - A+	3
CMNET 151 OPERATING SYSTEMS - A+	3

* See specific requirements for Associate in Applied Science Degree.

** See advisor for recommendations

Recommended Course Sequence:

1st Semester: CMCIS 151; CMCIS 152; CMNET 150; CMNET 151; Communication Laboratory Science/Mathematics; English
Summer Semester 1: CMCIS 156 or CMCIS 157

3rd Semester: CMCIS 147; CMCIS 271; Social Science; Laboratory Science/Mathematics;

4th Semester: CMCIS 273; CMCIS 274; CMCIS 158; CMCIS 170 (only if CMCIS 156 or CMCIS 157 not completed); Humanities/Fine Arts

Cisco Certified Network Associate (CCNA) Certificate

Total Credit Hours: 16

PROGRAM COURSES:	CR. HRS.
CMCIS 151 NETWORK FUNDAMENTALS	4
CMCIS 152 ROUTING AND SWITCHING ESSENTIALS	4
CMCIS 153 SCALING NETWORKS	4
CMCIS 154 WAN COMMUNICATION	4

Recommended Course Sequence:

1st Semester: CMCIS 151; CMCIS 152

2nd Semester: CMCIS 153; CMCIS 154

Accreditation: Cisco Certified Network Associate (CCNA) Certificate

To Graduate from the Program: Students should submit an "Application for Degree/Certificate" after completing 8 hours.

Cisco Certified Network Professional (CCNP) Certificate

Total Credit Hours: 15

PROGRAM COURSES:	CR. HRS.
CMCIS 156 CCNA VOICE*	3
OR	
CMCIS 157 CCNA WIRELESS*	3
OR	
CMCIS 158 CCNA SECURITY*	3
OR	
CMCIS 170 CCNA CYBERSECURITY*	3
CMCIS 271 CCNP ROUTE	4
CMCIS 273 CCNP SWITCH	4
CMCIS 274 CCNP TROUBLESHOOTING	4

* See advisor for recommendations

Recommended Course Sequence:

1st Semester: CMCIS 271

2nd Semester: CMCIS 273; CMCIS 274; CMCIS 158 (only if CMCIS 156 or CMCIS 157 or CMCIS 170 not completed)

Summer Semester 1: CMCIS 156 or CMCIS 157 (only if CMCIS 158 or CMCIS 170 was not previously completed)

Accreditation: Cisco Certified Network Professional (CCNP) Certificate

To Graduate from the Program: Students should submit an "Application for Degree/Certificate" after completing 8 hours.

Computer Programming and Database Development

AAS Mission: The mission of the Associate in Applied Science Computer Programming and Database Development degree is to prepare students for computer programming positions through instruction of in-depth programming skills in two different programming languages, so that the variety of computer platforms and languages available allow students diversification to meet their personal and career interests.

Certificate Mission: The mission of the Computer Programming and Database Development Certificate is to provide students with a working knowledge of the principles, techniques, and skills to program in a computer environment, so that individuals following this sequence of courses are prepared for entry-level employment or enhancement of their skills as a computer programmer.

Contact Information:

Business, Legal, and Information
Systems Department
Technology Center
Room 205
(309)694-5558

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 61 to 62

GENERAL COURSES:	CR. HRS.
ENGLISH*	3
COMMUNICATION*	3
SOCIAL SCIENCE*	3
LABORATORY SCIENCE *	4
BUS 120 BUSINESS	
OR MATHEMATICS	3
MATH 115 COLLEGE ALGEBRA	4
Or Higher HUMANITIES*	3
PROGRAM COURSES:	CR. HRS.
CMPSC 124 EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC	3
CMPSC 115 CS I: ESSENTIALS OF PROGRAMMING	3
OR CMPSC 125 CS I: PROGRAMMING IN C	3
CMPSC 140 INTRODUCTION TO RELATIONAL DATABASES	3
CMPSC 200 C# PROGRAMMING	3
CMPSC 135 CS II: PROGRAMMING IN JAVA	3
OR CMPSC 212 CS II: ADVANCED PROGRAMMING IN C	3
CMPSC 224 ADVANCED VISUAL BASIC	3
CMPSC 237 MOBILE APPLICATION PROGRAMMING	3
CMPSC 245 STRUCTURED QUERY LANGUAGE	3
CMPSC 249 UNIX	3
CMPSC 265 DATABASE ADMINISTRATION	3
CMPSC 270 STRUCTURED SYSTEM ANALYSIS	3
ELECTIVE COURSES:	CR. HRS.
APPROVED ELECTIVES**	9

* See specific requirements for Associate in Applied Science Degree.

** Electives may come from any of the computer areas: CMPSC, CMGEN, CMWEB, CMNET or CMCIS.

Recommended Course Sequence:

1st Semester: BUS 120 or MATH 115; CMPSC 115 or CMPSC 125; CMPSC 249; English; Approved Elective
2nd Semester: Communication; CMPSC 140; CMPSC 135 or CMPSC 212; CMPSC 124; Lab Science
3rd Semester: CMPSC 245; CMPSC 224; Social Science; CMPSC 237; Approved Elective
4th Semester: CMPSC 200; CMPSC 265; CMPSC 270; Approved Elective; Humanities

Certificate

Total Credit Hours: 36

PROGRAM COURSES:	CR. HRS.
CMPSC 115 CS I: ESSENTIALS OF PROGRAMMING	3
OR CMPSC 125 CS I: PROGRAMMING IN C	3
CMPSC 124 EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC	3
CMPSC 135 CS II: PROGRAMMING IN JAVA	3
OR CMPSC 212 CS II: ADVANCED PROGRAMMING IN C	3
CMPSC 140 INTRODUCTION TO RELATIONAL DATABASES	3
CMPSC 224 ADVANCED VISUAL BASIC	3
CMPSC 245 STRUCTURED QUERY LANGUAGE	3
CMPSC 249 UNIX	3
CMPSC 265 DATABASE ADMINISTRATION	3
CMPSC 270 STRUCTURED SYSTEM ANALYSIS	3
CMWEB 110 BEGINNING WEB DEVELOPMENT WITH HTML AND CSS	4
CMPSC 200 C# PROGRAMMING	3
CMPSC 237 MOBILE APPLICATION PROGRAMMING	3

Recommended Course Sequence:

1st Semester: CMWEB 110; CMPSC 115 or CMPSC 125; CMPSC 249
2nd Semester: CMPSC 140; CMPSC 124; CMPSC 135 or CMPSC 212
3rd Semester: CMPSC 245; CMPSC 224; CMPSC 237
4th Semester: CMPSC 265; CMPSC 270; CMPSC 200

Network Administrator

AAS Mission: The mission of the Associate in Applied Science Network Administrator program of study is to prepare students for employment as network administrators, through training to install, configure, maintain, and troubleshoot network operating systems as well as how to install, configure, maintain, and troubleshoot network connectivity devices, in Windows and Linux operating systems, as well as Cisco switches and routers.

Certificate Mission: The mission of the Networking Certificate is to offer students a working knowledge of the principles, techniques, and skills required to set up and maintain a networking environment, so that individuals following this sequence of courses are prepared for employment or enhancement of their skills as a network technician or network administrator.

Contact Information:

Business, Legal, and Information
Systems Department
Technology Center
Room 205
(309)694-5558

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 63 to 66

GENERAL COURSES:		CR. HRS.
ENGLISH*		3
COMMUNICATION*		3
SOCIAL SCIENCE*		3
LABORATORY SCIENCE/ MATHEMATICS*		7
HUMANITIES*		3
PROGRAM COURSES:		CR. HRS.
CMCIS 151	NETWORK FUNDAMENTALS	4
CMCIS 152	ROUTING AND SWITCHING ESSENTIALS	4
CMCIS 153	SCALING NETWORKS	4
CMCIS 154	WAN COMMUNICATION	4
CMCIS 156	CCNA VOICE	3
OR		
CMCIS 157	CCNA WIRELESS	3
OR		
CMCIS 158	CCNA SECURITY	3
OR		
CMCIS 170	CCNA CYBERSECURITY	3
CMNET 140	WINDOWS ADMINISTRATION	3
CMNET 150	COMPUTER HARDWARE - A	3
CMNET 151	OPERATING SYSTEMS - A	3
CMNET 210	WINDOWS SERVER ADMINISTRATION	3
CMNET 220	NETWORK INFRASTRUCTURE ADMINISTRATION	3
CMNET 230	DIRECTORY SERVICE ADMINISTRATION	3
CMNET 250	ADVANCED SECURITY TOPICS	3-4
CMNET 270	MESSAGING INFRASTRUCTURE ADMINISTRATION	3

ELECTIVE COURSES:	CR. HRS.
APPROVED ELECTIVE**	3

* See specific requirements for Associate in Applied Science Degree.

** Approved Electives: Any CMNET, CMCIS, CMWEB, or CMPSC 115 or higher; or others with department approval.

Recommended Course Sequence:

1st Semester: CMCIS 151; CMNET 140; CMNET 150; CMNET 151; English

2nd Semester: CMCIS 152; CMNET 210; Social Science; Math

Summer Semester 1: Communication

3rd Semester: CMCIS 153; CMNET 220; CMNET 230; Lab Science; Humanities

4th Semester: CMCIS 154; CMNET 250; CMNET 270; CMCIS 156 or CMCIS 157 or CMCIS 158 or CMCIS 170; Approved Elective

Networking Certificate

Total Credit Hours: 28 to 29

PROGRAM COURSES:		CR. HRS.
CMCIS 151	NETWORK FUNDAMENTALS	4
CMNET 140	WINDOWS ADMINISTRATION	3
CMNET 150	COMPUTER HARDWARE INFRASTRUCTURE	3
CMNET 151	OPERATING SYSTEMS - A	3
CMNET 210	WINDOWS SERVER ADMINISTRATION	3
CMNET 220	NETWORK INFRASTRUCTURE ADMINISTRATION	3
CMNET 230	DIRECTORY SERVICE ADMINISTRATION	3
CMNET 250	ADVANCED SECURITY TOPICS	3-4
CMNET 270	MESSAGING INFRASTRUCTURE ADMINISTRATION	3

Recommended Course Sequence:

1st Semester: CMNET 140; CMNET 150; CMNET 151; CMNET 210

2nd Semester: CMNET 220; CMNET 230; CMCIS 151

3rd Semester: CMNET 250; CMNET 270

Secure Software Development

AAS Mission: The mission of the Secure Software Development Associate in Applied Science program is to prepare students for employment in secure software development by educating them in the fundamental concepts of computer programming, software assurance and database development.

Additional Program Info: Program requires students to spend specific 8 week blocks of time working successfully at the sponsoring employers place of business.

Contact Information:

Julie Howar, Dean
Business, Legal, and Information Systems
One College Drive (TC205)
East Peoria, IL 61635-0001
(309) 694-5558
julie.howar@icc.edu

Doug Peterson, Teaching Chair
Computer Science
One College Drive (TC205)
East Peoria, IL 61635-0001
(309) 694-5296
dpeterson@icc.edu

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 61 to 62

GENERAL COURSES:	CR. HRS.
ENGLISH*	3
COMMUNICATION*	3
SOCIAL SCIENCE*	3
LABORATORY SCIENCE *	4
MATH 115 COLLEGE ALGEBRA*	4

OR

BUS 120 BUSINESS MATHEMATICS*	3
HUMANITIES*	3

PROGRAM COURSES:	CR. HRS.
CMPSC 115 CS I: ESSENTIALS OF PROGRAMMING	3
CMPSC 122 INTRODUCTION TO COMPUTER SECURITY	3
CMPSC 135 CS II: PROGRAMMING IN JAVA	3
CMPSC 140 INTRODUCTION TO RELATIONAL DATABASES	3
CMPSC 200 C# PROGRAMMING	3
CMPSC 222 SECURE CODING	3
CMPSC 235 CS III: ADVANCED PROGRAMMING IN JAVA	3
CMPSC 237 MOBILE APPLICATION PROGRAMMING	3
CMPSC 245 STRUCTURED QUERY LANGUAGE	3
CMPSC 262 INTRODUCTION TO ASSURED SOFTWARE ENGINEERING	3
CMPSC 265 DATABASE ADMINISTRATION	3
CMPSC 270 STRUCTURED SYSTEM ANALYSIS	3

ELECTIVE COURSES:	CR. HRS.
APPROVED ELECTIVES**	6

* See specific requirements for Associate in Applied Science Degree.

** Electives should come from the CMPSC, CMCIS, CMNET, CMWEB, or CMGEN prefixes, and should be approved by the department prior to enrollment.

Recommended Course Sequence:

1st Semester: CMPSC 115; CMPSC 122; CMPSC 135; CMPSC 140; English

2nd Semester: CMPSC 222; CMPSC 235; Communication; MATH 115 or BUS 120; Approved Elective

3rd Semester: CMPSC 200; CMPSC 245; CMPSC 262; Lab Science; Social Science

4th Semester: CMPSC 237; CMPSC 265; CMPSC 270; Humanities; Approved Elective

Web Systems

AAS Mission: The mission of the Web Systems program of study is to prepare students for employment as a web professional by educating them in the skills and knowledge needed to maintain corporate intranet, extranet, internet, and mobile web sites and applications.

Accreditation: Accredited by Webprofessionals.org as a Web Professional Academy

Additional Program Info:

These programs are offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309) 694-5558

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Related certificates can be found on the next page

Associate in Applied Science

Total Credit Hours: 63 to 64

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
OR		
ENGL 125	BUSINESS COMMUNICATIONS	3
OR		
ENGL 201	TECHNICAL COMMUNICATIONS	3
	COMMUNICATION*	3
	SOCIAL SCIENCE*	3
	LABORATORY SCIENCE/MATHEMATICS*	3-4
BUS 120	BUSINESS MATHEMATICS	3
	HUMANITIES*	3

PROGRAM COURSES:

CMWEB 110	BEGINNING WEB DEVELOPMENT WITH HTML AND CSS	4
CMWEB 120	INTERMEDIATE WEB DEVELOPMENT WITH HTML AND CSS	4
CMWEB 130	WEB CONTENT MANAGEMENT SYSTEMS, SEO, AND ANALYTICS	4
CMWEB 135	BUSINESS USE OF SOCIAL MEDIA	4
CMWEB 140	ELECTRONIC COMMERCE	4
CMWEB 150	WEB ACCESSIBILITY AND USABILITY	4
CMWEB 160	INTRODUCTION TO SCRIPTING FOR THE WEB AND XML	4
CMWEB 200	JAVASCRIPT AND MOBILE APP DEVELOPMENT FOR WEB DEVELOPERS	4
CMWEB 220	ADVANCED WEB AND MOBILE DEVELOPMENT WITH HTML AND CSS	4
CMWEB 241	PHP	4
CMWEB 270	WEB SERVER AND WEB APPLICATION SECURITY	4
CMWEB 298	WEB DEVELOPER ASSOCIATE CAPSTONE**	1

* See specific requirements for Associate in Applied Science Degree.

** For the capstone course CMWEB298, the student will either take the Web Professionals Web Developer Associate Exam, an industry recognized certification, or complete a comprehensive project that reviews and demonstrates competency in the most important concepts covered in the classes in the program.

AAS Information Continued:

Recommended Course Sequence:

1st Semester: CMWEB 110, CMWEB 130, CMWEB 150, CMWEB 160
2nd Semester: CMWEB 120, CMWEB 140, CMWEB 200, BUS 120
Summer Semester 1: English
3rd Semester: CMWEB 135, CMWEB 220, CMWEB 241, Math/Lab Science
4th Semester: Social Science, Humanities, Communication, CMWEB 270, CMWEB 298

Web Systems Continued

Web Developer Mission: The mission of the Web Developer Certificate program is to instruct students in the advanced programming and scripting of websites and mobile apps for business and industry using web standards and responsive design.

Web Developer Apprentice Mission: The mission of the Web Developer Apprentice Certificate program is to instruct students in the fundamentals of programming and scripting of websites for business and industry using web standards and responsive design.

Accreditation: Accredited by Webprofessionals.org as a Web Professional Academy

Additional Program Info:

These programs are offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309) 694-5558

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Related AAS degree on previous page

Web Developer Certificate

Total Credit Hours: 45

PROGRAM COURSES:	CR. HRS.
CMWEB 110 BEGINNING WEB DEVELOPMENT WITH HTML AND CSS	4
CMWEB 120 INTERMEDIATE WEB DEVELOPMENT WITH HTML AND CSS	4
CMWEB 130 WEB CONTENT MANAGEMENT SYSTEMS, SEO, AND ANALYTICS	4
CMWEB 135 BUSINESS USE OF SOCIAL MEDIA	4
CMWEB 140 ELECTRONIC COMMERCE	4
CMWEB 150 WEB ACCESSIBILITY AND USABILITY	4
CMWEB 160 INTRODUCTION TO SCRIPTING FOR THE WEB AND XML	4
CMWEB 200 JAVASCRIPT FOR WEB DEVELOPERS	4
CMWEB 220 ADVANCED WEB AND MOBILE DEVELOPMENT WITH HTML AND CSS	4
CMWEB 241 PHP	4
CMWEB 270 WEB SERVER AND WEB APPLICATION SECURITY	4
CMWEB 298 WEB DEVELOPER ASSOCIATE CAPSTONE*	1

* Within the capstone course, the student has a choice between taking the Web Professionals Web Developer Associate Exam, an industry recognized certification, or completing a comprehensive project that reviews and demonstrates competency in the most important concepts covered in the classes in the program.

Recommended Course Sequence:

1st Semester: CMWEB110, CMWEB130, CMWEB150, CMWEB160

2nd Semester: CMWEB120, CMWEB140, CMWEB200, CMWEB270

3rd Semester: CMWEB135, CMWEB220, CMWEB241, CMWEB298

Web Developer Apprentice Certificate

Total Credit Hours: 29

PROGRAM COURSES:	CR. HRS.
CMWEB 110 BEGINNING WEB DEVELOPMENT WITH HTML AND CSS	4
CMWEB 120 INTERMEDIATE WEB DEVELOPMENT WITH HTML AND CSS	4
CMWEB 130 WEB CONTENT MANAGEMENT SYSTEMS, SEO, AND ANALYTICS	4
CMWEB 140 ELECTRONIC COMMERCE	4
CMWEB 150 WEB ACCESSIBILITY AND USABILITY	4
CMWEB 160 INTRODUCTION TO SCRIPTING FOR THE WEB AND XML	4
CMWEB 270 WEB SERVER AND WEB APPLICATION SECURITY	4
CMWEB 296 WEB DEVELOPER APPRENTICE CAPSTONE*	1

* The capstone course CMWEB296 provides a review and offers students the choice of either taking the Web Professionals Web Developer Apprentice certification exam, an industry-recognized credential, or creating a project that utilizes components from their previous web development classes to demonstrate competency.

Recommended Course Sequence:

1st Semester: CMWEB110, CMWEB130, CMWEB150, CMWEB160

2nd Semester: CMWEB120, CMWEB140, CMWEB270, CMWEB296



Law, Public Safety, Corrections & Security Career Cluster

Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Fire Science Technology.....	102
Associate in Applied Science	102
Certificate	102
Law Enforcement.....	103
Associate in Applied Science	103
Law Enforcement Certificate	103
9-1-1 Telecommunicator Certificate	103
Paralegal.....	104
Associate in Applied Science	104
Certificate	104

For recommended courses in these transfer areas, see Transfer Degrees:

- Criminal Justice
- Pre-Law

Fire Science Technology

AAS Mission: The mission of the Associate in Applied Science Fire Science Technology program is for current employees as well as students who are interested in careers in the fire services, inspections, investigation, or fire protection engineering.

AAS Additional Info: The comprehensive program delivers information in fire prevention, suppression and loss control delivered to active fire fighters in government or industry (paid or volunteer).

Certificate Mission: The mission of the Fire Science Technology certificate program is for current employees as well as students who are interested in careers in the fire services, inspections, investigation, or fire protection engineering.

Admission to These Programs:

Students must complete basic skills placement testing before admission into the program. Students with no previous fire service are required to attend the internship session.

Contact Information:

Health Careers Department
Peoria Campus, Cedar 105
(309) 690-7530

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 60 to 66

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
PSY 110	INTRODUCTION TO PSYCHOLOGY	3
	MATHEMATICS*	3-5
	LABORATORY SCIENCE**	4
	HUMANITIES*	3
PROGRAM COURSES:		CR. HRS.
FRSTK 110	INTRODUCTION TO FIRE SCIENCE	3
FRSTK 114	FIREFIGHTING TACTICS AND STRATEGY	3
FRSTK 190	LEGAL ISSUES IN THE FIRE SERVICE	3
FRSTK 201	INTERNSHIP, FIRE SERVICE	3
	OR APPROVED ELECTIVE	3
FRSTK 227	CHEMISTRY OF FLAMMABLE HAZARDOUS MATERIALS	3
	OR	
FRSTK 228	CHEMISTRY OF EXPLOSIVE AND TOXIC MATERIALS	3
FRSTK 230	FIRE SERVICE HYDRAULICS	3
FRSTK 250	FIRE SERVICE MANAGEMENT I	3
ELECTIVE COURSES:		CR. HRS.
	APPROVED ELECTIVES	3-6
	HEALTH ELECTIVE***	2-3
	APPROVED FIRE SCIENCE ELECTIVES****	15

* See specific requirements for Associate in Applied Science Degree.

** PHYS 110 recommended.

*** HLTH 120, 125, or EMT 110, 125.

**** Approved Fire Science Electives:
FRSTK 111, 112, 113, 115, 116, 117, 118, 132, 183, 211, 212, 214, 222, 225, 228, 229, 231, 232, 252, 253, 254, 255; EMS 114; EMT 120, 210, 211, 215, 220, 240, 255

Recommended Course Sequence:

1st Semester: FRSTK 110; ENGL 110; Health Elective; Math

2nd Semester: FRSTK 227 or FRSTK 228; COMM 110; Lab Science; Approved Fire Science; Approved Fire Science

Summer Semester 1: FRSTK 201 or Approved Elective

3rd Semester: FRSTK 114; FRSTK 230; PSY 110; Approved Fire Science; Approved Fire Science; FRSTK 190

4th Semester: FRSTK 250; Humanities; Approved Fire Science Electives; Approved Electives

Certificate

Total Credit Hours: 30

PROGRAM COURSES:		CR. HRS.
EMT 110	EMERGENCY MEDICAL TECHNICIAN - BASIC I	3
FRSTK 110	INTRODUCTION TO FIRE SCIENCE	3
FRSTK 111	BASIC INSTRUCTOR TRAINING FOR THE FIRE SERVICE	3
FRSTK 112	FIRE PREVENTION AND LEGAL ASPECTS OF FIRE PROTECTION	3
FRSTK 114	FIREFIGHTING TACTICS AND STRATEGY	3
FRSTK 190	LEGAL ISSUES IN THE FIRE SERVICE	3
FRSTK 201	INTERNSHIP, FIRE SERVICE	3
	OR FRSTK ELECTIVE*	3
FRSTK 227	CHEMISTRY OF FLAMMABLE HAZARDOUS MATERIALS	3
FRSTK 230	FIRE SERVICE HYDRAULICS	3
FRSTK 250	FIRE SERVICE MANAGEMENT I	3

* Select elective from any FRSTK course or EMT 111

Recommended Course Sequence:

1st Semester: FRSTK 110; FRSTK 112; FRSTK 114; FRSTK 190; FRSTK 230

2nd Semester: FRSTK 111; FRSTK 201 or FRSTK Elective; FRSTK 227; FRSTK 250; EMT 110

Law Enforcement

AAS Mission: The mission of the Associate in Applied Science Law Enforcement degree is to prepare graduates for employment in the law enforcement field by educating them in general education as well as specialized courses in criminal justice to prepare them to enter the law enforcement field.

Certificate Mission: The mission of the Law Enforcement certificate is to prepare graduates for employment in the law enforcement field by educating them in the knowledge, skills, and behaviors to prepare them to enter into the law enforcement field.

Additional Program Info: Students should be aware that each law enforcement agency has its own employment criteria. Most require a minimum of high school diploma or its equivalent, verification of excellent physical health and that the applicant be at least 21 years of age. Many positions in law enforcement require advanced study beyond a two-year degree. Students should apply to graduate during the next to last semester of study. This can be done within the student's e-services.

9-1-1 Certificate Mission: The mission of the 9-1-1 Telecommunicator certificate program is to prepare the graduates for employment as a 9-1-1 telecommunicator by educating them in the knowledge, skills, and behaviors as an entry level 9-1-1 telecommunicator at a police, fire, or EMS department.

Contact Information:

Business, Legal, and Information
Systems Department
Technology Center
Room 205
(309) 694-5558

Peoria Campus
Poplar Hall 117
(309) 690-7691

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 61

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
SOC 110	AN INTRODUCTION TO SOCIOLOGY	3
	LABORATORY SCIENCE*	4
	MATHEMATICS*	3
	HUMANITIES/FINE ARTS*	3
PROGRAM COURSES:		CR. HRS.
CMGEN 120	COMPUTER APPLICATIONS	3
CRJ 110	INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM	3
CRJ 112	POLICE OPERATIONS	3
CRJ 114	INTRODUCTION TO CORRECTIONS	3
CRJ 118	JUVENILE DELINQUENCY	3
CRJ 130	INTRODUCTION TO INVESTIGATION	3
CRJ 201	INTERNSHIP IN CRIMINAL JUSTICE**	3
	OR	
	APPROVED ELECTIVE***	3
CRJ 225	CRIMINAL LAW	3
CRJ 227	ADMINISTRATION OF JUSTICE	3
CRJ 250	POLICE ORGANIZATION AND ADMINISTRATION	3
ENGL 111	COMPOSITION II	3
POLSC 115	AMERICAN NATIONAL GOVERNMENT	3
	OR	
POLSC 119	STATE AND LOCAL GOVERNMENT	3
SOC 210	INTRODUCTION TO CRIMINOLOGY	3

ELECTIVE COURSES:		CR. HRS.
	APPROVED ELECTIVE***	3

* See specific requirements for Associate in Applied Science Degree.

** In order to be eligible to enroll in CRJ 201 Internship in Criminal Justice, students must attain an overall grade point average of 2.0. Students must be enrolled in Law Enforcement Program and have completed a minimum of 20 semester hours.

*** Approved Electives are such courses as CRJ 111, 212, 213, 230, 255; PSY 110; or another criminal justice related course approved by your advisor.

Recommended Course Sequence:

1st Semester: CRJ 110; CRJ 118; SOC 110; ENGL 110; CMGEN 120
2nd Semester: CRJ 112; CRJ 130; ENGL 111; COMM 110; CRJ 225
Summer Semester 1: CRJ 201 or Elective
3rd Semester: CRJ 250; POLSC 115 or 119; Humanities/Fine Arts; Math; Approved Elective
4th Semester: CRJ 227; SOC 210; CRJ 114; Lab Science

Law Enforcement Certificate

Total Credit Hours: 30

PROGRAM COURSES:		CR. HRS.
CRJ 110	INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM	3
CRJ 112	POLICE OPERATIONS	3
CRJ 118	JUVENILE DELINQUENCY	3
CRJ 130	INTRODUCTION TO INVESTIGATION	3
CRJ 225	CRIMINAL LAW	3
CRJ 227	ADMINISTRATION OF JUSTICE	3
CRJ 230	COURT PROCEDURES AND EVIDENCE	3
CRJ 250	POLICE ORGANIZATION AND ADMINISTRATION	3
CRJ 201	INTERNSHIP IN CRIMINAL JUSTICE**	3
CRJ 121	PROFESSIONAL STANDARDS IN CRIMINAL JUSTICE	3
	APPROVED ELECTIVE*	3

* Approved Elective are such courses as CRJ 111, 114, 212, 213, and 235

Recommended Course Sequence:

1st Semester: CRJ 110; CRJ 112; CRJ 130; CRJ 118
2nd Semester: CRJ 230; CRJ 225; CRJ 121; CRJ 250
Summer Semester 1: CRJ 201 or 227; Approved Elective

9-1-1 Telecommunicator Certificate

Total Credit Hours: 18

PROGRAM COURSES:		CR. HRS.
CMGEN 120	COMPUTER APPLICATIONS	3
CRJ 110	INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM	3
CRJ 190	9-1-1 TELECOMMUNICATOR I	3
CRJ 191	9-1-1 TELECOMMUNICATOR II	3
CRJ 201	INTERNSHIP IN CRIMINAL JUSTICE	3
CRJ 225	CRIMINAL LAW	3

Recommended Course Sequence:

1st Semester: CRJ 110; CRJ 190; CMGEN 120
2nd Semester: CRJ 225; CRJ 191
Summer Semester 1: CRJ 201

Paralegal

AAS Mission: The mission of the Associate in Applied Science Paralegal program of study is to produce competent, well-rounded individuals who are able to work under the supervision of an attorney in the many areas of the practice of law, specifically, the student will be prepared to perform such tasks as legal research, client interviews, investigations, preparation of legal documents, and other legal work as delegated by an attorney. Paralegals are employed by private law firms, corporations, governmental agencies, insurance companies, title companies, and financial institutions.

Certificate Mission: The mission of the Paralegal certificate is to produce competent, well-rounded individuals who are able to work under the supervision of an attorney in the many areas of the practice of law, specifically, the student will be prepared to perform such tasks as legal research, client interviews, investigations, preparation of legal documents, and other legal work as delegated by an attorney. Paralegals are employed by private law firms, corporations, governmental agencies, insurance companies, title companies, and financial institutions.

Additional Program Info: Computers are an important component to many aspects of this profession. The student should be familiar with keyboarding. If not, an additional class in keyboarding is recommended.

Accreditation: These programs have been approved by the American Bar Association.

To Remain in and Graduate from the Program: Students must attain a grade of "C" or higher in each PRLGL course (including equated PRLGL transfer courses) to remain in and graduate from the program. PRLGL 113, 116, and 260 must be taken at ICC to graduate from the program. Students must take at least ten credit hours or the equivalent of legal specialty courses through the 'in person' format.

Contact Information:

Business, Legal, and Information Systems
Peoria Campus Poplar Hall
Room 117
(309) 690-7691

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements

Associate in Applied Science

Total Credit Hours: 60

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
	<i>SOCIAL SCIENCE*</i>	3
	<i>LABORATORY SCIENCE***</i>	4
BUS 120	BUSINESS	3
OR	MATHEMATICS	3
	<i>MATHEMATICS****</i>	3
	<i>HUMANITIES**</i>	3
PROGRAM COURSES:		CR. HRS.
CRJ 225	CRIMINAL LAW	3
CRJ 230	COURT PROCEDURES AND EVIDENCE	3
PRLGL 110	INTRODUCTION TO PARALEGAL	3
PRLGL 112	LEGAL RESEARCH I	3
PRLGL 113	LEGAL RESEARCH II	3
PRLGL 114	FAMILY LAW	3
PRLGL 115	WILLS, TRUSTS AND ESTATE ADMINISTRATION	3
PRLGL 116	CIVIL LITIGATION	3
PRLGL 117	ADMINISTRATIVE LAW	3
PRLGL 118	LAW OFFICE MANAGEMENT	3
PRLGL 120	MEDICAL TERMINOLOGY FOR PARALEGALS	2
PRLGL 215	BUSINESS ORGANIZATION AND PRACTICE	3
PRLGL 260	PARALEGAL INTERNSHIP	3

ELECTIVE COURSES:		CR. HRS.
APPROVED ELECTIVE*****		3

see specific requirements for Associate in Applied Science Degree, however

* POLSC 115, 119 or PSY 110 are recommended;

** PHIL 111 is recommended;

*** BIOL 111 or 140 are recommended;

**** MATH 110 or above;

***** Other PRLGL, CRJ, or law related courses recommended; meet with your advisor for appropriate selection.

Recommended Course Sequence:

1st Semester: ENGL 110; BUS 120 or Math; Social Science; COMM 110

2nd Semester: PRLGL 110; PRLGL 112; Humanities; CRJ 225

Summer Semester 1: Lab Science; PRLGL 120

3rd Semester: PRLGL 113; PRLGL 116; PRLGL 117; PRLGL 215

4th Semester: CRJ 230; PRLGL 115; PRLGL 260; PRLGL 114; PRLGL 118

Students should apply for graduation after completing 45 hours of the program. This can be done within the student's e-services.

Certificate

Total Credit Hours: 38

PROGRAM COURSES:		CR. HRS.
PRLGL 110	INTRODUCTION TO PARALEGAL	3
PRLGL 112	LEGAL RESEARCH I	3
PRLGL 113	LEGAL RESEARCH II	3
PRLGL 114	FAMILY LAW	3
PRLGL 115	WILLS, TRUSTS AND ESTATE ADMINISTRATION	3
PRLGL 116	CIVIL LITIGATION	3
PRLGL 117	ADMINISTRATIVE LAW	3
PRLGL 118	LAW OFFICE MANAGEMENT	3
PRLGL 120	MEDICAL TERMINOLOGY FOR PARALEGALS	2
PRLGL 215	BUSINESS ORGANIZATION AND PRACTICE	3
PRLGL 260	PARALEGAL INTERNSHIP	3
ELECTIVE COURSES:		CR. HRS.
APPROVED ELECTIVES*		6

* PRLGL 121, 141; CRJ 111, 225, 227, 230

Recommended Course Sequence:

1st Semester: PRLGL 110; PRLGL 112; PRLGL 116; PRLGL 117; PRLGL 215

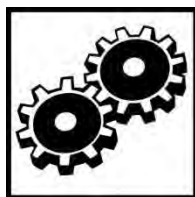
2nd Semester: PRLGL 113; PRLGL 114; PRLGL 115; PRLGL 118; Approved Elective

Summer Semester 1: PRLGL 120; PRLGL 260; Approved Elective

Admission to the Certificate Program:

A bachelor's degree (4 years/ undergraduate) or associate degree from an accredited college or university is required for admission to the program.

- Student must submit an application for admission to Illinois Central College and must submit an official transcript from the college or university granting the degree to ICC Enrollment Services, L211.
- Student must submit a separate application for the Paralegal Certificate Program to the Program Coordinator and have an interview with the Program Coordinator before gaining admission to the program. The form is available from the Program Coordinator at ICC Peoria, Poplar Hall 117, by calling (309) 690-7691. At least 30 percent of the total program of study must be completed at ICC.
- Student must take at least 10 credit hours or the equivalent of legal specialty course through the 'in person' format. PRLGL 113, 116, and 260 must be taken at ICC to graduate from the program.



Manufacturing Career Cluster

Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Industrial Electrical Technology	106
Associate in Applied Science	106
Industrial Maintenance Technology	107
Associate in Applied Science	107
Industrial Maintenance Certificate	107
Machine Tool Technology	108
Associate in Applied Science	108
CNC Machine Operator Certificate	108
Manufacturing Engineering Technology	109
Associate in Applied Science	109
Mechanical Engineering Technology	110
Associate in Applied Science	110
Computer-Aided Mechanical Drafting Certificate	110
Welding Technology	111
Associate in Applied Science	111
Welding Specialist Certificate	111
Welding Operator Certificate	112
Production Welder Certificate	112

For recommended courses in these transfer areas, see Transfer Degrees:

- Engineering

Industrial Electrical Technology

AAS Mission: The mission of the Industrial Electrical Technology Associate in Applied Science degree program is to use lecture and hands-on laboratory experience to prepare students for employment in the Industrial Electrical field by educating them in the knowledge, skills, and behaviors as an industrial electrical technician.

Admission to the Program: Math skills equivalent to two years of high school algebra and one year of high school geometry are required for admission to the program. Students applying for admission to the program should have high school transcripts and appropriate standardized test scores or college transcripts sent to the Student Service Center (309) 694-5235 or should make an appointment with the Testing Office (309) 694-5234 for a math test and a reading test.

Contact Information:

Agricultural and Industrial Technologies
AIT Building, Room 209
(309) 694-5171 or (309) 694-5510

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 66

GENERAL COURSES:	CR. HRS.
ENGLISH*	3
COMMUNICATION*	3
SOCIAL SCIENCE*	3
ELCTK 220 TRANSDUCERS AND ELECTRONIC INSTRUMENTS	4
APPROVED MATHEMATICS*	3
HUMANITIES*	3

PROGRAM COURSES:	CR. HRS.
ELCTK 111 RESIDENTIAL AND COMMERCIAL WIRING	2
ELCTK 112 ELECTRONIC CAD APPLICATIONS I	2
ELCTS 131 INTRODUCTION TO BASIC ELECTRICITY	2
ELCTS 132 SERVICE ELECTRONICS - D.C. CIRCUITS	2
ELCTS 133 SERVICE ELECTRONICS - A.C. CIRCUITS	2
ELCTS 134 SERVICE ELECTRONICS - BASIC SOLID STATE	2
ELCTS 135 SERVICE ELECTRONICS - ADVANCED SOLID STATE	2
ELCTS 136 SERVICE ELECTRONICS - DIGITAL CIRCUITS	2
ELCTK 150 INDUSTRIAL ELECTRICITY	4
ELCTK 151 ELECTRICAL SYSTEMS TROUBLESHOOTING	3
ELCTK 215 PROGRAMMABLE CONTROLLERS	4
ELCTK 230 ADVANCED SOLID STATE ELECTRONICS	3
ELCTK 231 INDUSTRIAL ELECTRONICS	4
ELCTK 232 ELECTRONICS SYSTEMS TROUBLESHOOTING	3
ELCTK 245 MICROPROCESSORS AND MICROCONTROLLERS	4
ELCTK 252 ELECTRONICS PROJECT MANAGEMENT	3
MECTK 231 INDUSTRIAL FLUID POWER	3

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: ELCTS 131; ELCTS 132; ELCTS 133; ELCTK 111; Math; English

2nd Semester: ELCTS 134; ELCTS 135; ELCTS 136; ELCTK 150; ELCTK 112; Humanities

3rd Semester: ELCTK 151; ELCTK 215; ELCTK 220; ELCTK 245; MECTK 231

4th Semester: ELCTK 230; ELCTK 231; ELCTK 232; ELCTK 252; Social Science; Communication

Industrial Maintenance Technology

AAS Mission: The mission of the Industrial Maintenance Technology Associate in Applied Science degree program is to use lecture and hands-on laboratory experience to prepare the graduate for employment in industry/business as an electro-mechanical maintenance technician by educating them in the knowledge, skills, and behaviors as an industrial maintenance technician.

Certificate Mission: The Industrial Maintenance Certificate program of study prepares graduates for technical positions in the expanding field of electrical/mechanical systems installation and service. A person interested in pursuing education and employment in this area should have high mechanical aptitude. This program is also intended for the individual who wishes to upgrade skills or to prepare for a career as a multi-skilled maintenance technician.

Contact Information:

Agricultural and Industrial Technologies
AIT Building, Room 209
(309) 694-5171 or (309) 694-5510

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 63

GENERAL COURSES:		CR. HRS.
ENGLISH*		3
COMMUNICATION*		3
SOCIAL SCIENCE*		3
LABORATORY SCIENCE/ MATHEMATICS*		7
HUMANITIES*		3
PROGRAM COURSES:		CR. HRS.
ELCTK 150	INDUSTRIAL ELECTRICITY	4
ELCTK 151	ELECTRICAL SYSTEMS TROUBLESHOOTING	3
ELCTK 215	PROGRAMMABLE CONTROLLERS	4
ELCTS 131	INTRODUCTION TO BASIC ELECTRICITY	2
ELCTS 132	SERVICE ELECTRONICS - D.C. CIRCUITS	2
ELCTS 133	SERVICE ELECTRONICS - A.C. CIRCUITS	2
MACTR 110	PRINT READING - MECHANICAL	3
MACTR 121	MACHINE TOOL OPERATION I	3
MECTK 149	BASIC POWER TRANSMISSION	2
MECTK 150	MECHANICAL SYSTEMS I	2
MECTK 151	MECHANICAL SYSTEMS II	3
MECTK 152	INDUSTRIAL RIGGING	2
MECTK 231	INDUSTRIAL FLUID POWER	3
MECTK 252	ADVANCED TROUBLESHOOTING	3
NCTK 110	INTRODUCTION TO NUMERICAL CONTROL SYSTEMS	1
NCTK 212	N/C MACHINING, LATHE	2
ELECTIVE COURSES:		CR. HRS.
WELDING ELECTIVE**		3

* See specific requirements for Associate in Applied Science Degree.

** Recommended Electives: WELD 112 and two additional credit hours of WELD with advisor approval.

Recommended Course Sequence:

1st Semester: MECTK 149; MECTK 150; Welding Elective; Lab Science/Math; English

2nd Semester: ELCTS 131; ELCTS 132; ELCTS 133; MECTK 151; MECTK 152; Communication; Humanities

Summer Semester 1: ELCTK 150

3rd Semester: ELCTK 151; ELCTK 215; MACTR 110; MACTR 121; MECTK 231; Welding Elective

4th Semester: MECTK 252; NCTK 110; NCTK 212; Lab Science/Math; Social Science; Welding Elective

Industrial Maintenance Certificate

Total Credit Hours: 27

PROGRAM COURSES:		CR. HRS.
ELCTS 131	INTRODUCTION TO BASIC ELECTRICITY*	2
ELCTS 132	SERVICE ELECTRONICS - D.C. CIRCUITS	2
ELCTS 133	SERVICE ELECTRONICS - A.C. CIRCUITS	2
ELCTK 150	INDUSTRIAL ELECTRICITY	4
MECTK 231	INDUSTRIAL FLUID POWER*	3
MECTK 152	INDUSTRIAL RIGGING	2
MECTK 149	BASIC POWER TRANSMISSION	2
MACTR 110	PRINT READING - MECHANICAL	3
ELECTIVE COURSES:		CR. HRS.
ELECTIVES**		7

* Appropriate math placement score or departmental approval

** ELCTK 151; ELCTK 215; MECTK 150; MECTK 151; MECTK 252

Recommended Course Sequence:

1st Semester: ELCTS 131, ELCTS 132, ELCTS 133, MACTR 110, MECTK 149, Elective

2nd Semester: ELCTK 150, MECTK 152, MECTK 231, Elective, Elective (if needed)

Machine Tool Technology

AAS Mission: The mission of the Machine Tool Technology Associate in Applied Science degree program is to prepare students with the skills in the operation of machine tools for entry level positions as industry professionals including precision machinists, mold makers, die makers, and tool makers.

Admission to the Program:

Students applying for admission to the program should have their high school transcripts and ACT scores or college transcripts sent to the Enrollment Services Center, and must contact the Testing Office for basic skills testing in mathematics, reading, and English. Math skills equivalent to one year of high school algebra and one year of high school geometry are required for admission to the program. These courses are available at Illinois Central College for applicants who need to upgrade their mathematics skills.

CNC Machine Operator Mission: The mission of the CNC Machine Operator Certificate program is to prepare students with the skills and knowledge required for entry-level employment as a CNC machine operator in a manufacturing facility. Individuals will learn part design, machine setup and operation, and production.

Contact Information:

Agricultural and Industrial Technologies
AIT Building, Room 209
(309) 694-5171 or (309) 694-5510

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 63

GENERAL COURSES:	CR. HRS.
ENGLISH*	3
COMMUNICATION*	3
SOCIAL SCIENCE*	3
MATHEMATICS*	3
PHYS 112 TECHNICAL PHYSICS I	4
HUMANITIES/FINE ARTS*	3

PROGRAM COURSES:	CR. HRS.
MACTR 110 PRINT READING - MECHANICAL	3
MACTR 121 MACHINE TOOL OPERATION I	3
MACTR 122 MACHINE TOOL OPERATION II	3
MACTR 123 MACHINE TOOL OPERATION III	2
MACTR 124 SPECIAL MACHINING SKILLS	2
MACTR 221 MACHINING INTERNSHIP	1
MATH 130 TECHNICAL ALGEBRA AND TRIGONOMETRY	5
MECTK 115 PRINCIPLES OF DIMENSIONAL METROLOGY	2
MECTK 121 INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD	3
MECTK 204 STATICS AND STRENGTH OF MATERIALS	4
MECTK 231 INDUSTRIAL FLUID POWER	3
MECTK 232 MATERIALS SCIENCE AND PHYSICAL METALLURGY	3
NCTK 110 INTRODUCTION TO NUMERICAL CONTROL SYSTEMS	1
NCTK 210 FUNDAMENTALS OF CNC PROGRAMMING	2
NCTK 212 CNC MACHINE OPERATION I	2
NCTK 214 CNC MACHINE OPERATION II	2
WELD 119 WELDING PROCESSES	3

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: MECTK 115; MACTR 121; Math; English; MACTR 110

2nd Semester: MECTK 121; MACTR 122; Communication; PHYS 112; NCTK 110; NCTK 212

3rd Semester: NCTK 214; MACTR 123; Social Science; WLDTR 119; MECTK 231; MECTK 204

4th Semester: MACTR 124; MECTK 232; WELD 119; Humanities/Fine Arts; NCTK 210

CNC Machine Operator Certificate

Total Credit Hours: 9

PROGRAM COURSES:	CR. HRS.
MACTR 110 PRINT READING - MECHANICAL	3
MACTR 121 MACHINE TOOL OPERATION I	3
NCTK 110 INTRODUCTION TO NUMERICAL CONTROL SYSTEMS	1
NCTK 212 CNC MACHINE OPERATION I	2

Recommended Course Sequence:

1st Semester: MACTR 110; MACTR 121; NCTK 110; NCTK 212

Manufacturing Engineering Technology

AAS Mission: The mission of the Manufacturing Engineering Technology Associate in Applied Science degree program is to prepare students with the skills and knowledge for entry-level positions in manufacturing firms. Students will learn about manufacturing processes as well as manufacturing equipment, parts, and quality problems.

Additional Program Info: The college maintains articulation agreements with several universities from which students may pursue a bachelor's degree upon graduating.

Admission to the Program: Students must complete basic skills placement test before entering the program. Contact the Testing Center at (309) 694-5234.

Contact Information:

Agricultural and Industrial Technologies
AIT Building, Room 209
(309) 694-5171 or (309) 694-5510

Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 60 to 63

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
ENGL 201	TECHNICAL COMMUNICATIONS	3
	SOCIAL SCIENCE*	3
	MATHEMATICS**	3
PHYS 112	TECHNICAL PHYSICS I	4
	HUMANITIES*	3

PROGRAM COURSES:		CR. HRS.
	MATHEMATICS**	3-5
MECTK 110	INTRODUCTION TO THE OR TOOLS OF TECHNOLOGY	3
MACTR 110	PRINT READING - MECHANICAL	3
MECTK 115	PRINCIPLES OF DIMENSIONAL METROLOGY	2
MECTK 121	INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD	
OR		
MECTK 125	3-D MODELING WITH PRO-ENGINEER	4
MECTK 138	MANUFACTURING PROCESSES I	3
MECTK 204	STATICS AND STRENGTH OF MATERIALS	4
MECTK 226	STATISTICS AND QUALITY CONTROL	3
MECTK 231	INDUSTRIAL FLUID POWER	3
MECTK 232	MATERIALS SCIENCE AND PHYSICAL METALLURGY	3
MECTK 238	MANUFACTURING PROCESSES II	3
PHYS 113	TECHNICAL PHYSICS II	4
WELD 119	WELDING PROCESSES	3

ELECTIVE COURSES:		CR. HRS.
	TECHNICAL ELECTIVES***	5

* See specific requirements for the Associate in Applied Science Degree

** Math Sequence (minimum 6 credit hours);
Option 1: (Baccalaureate Sequence-Preferred) MATH 130 and 137;
Option 2: (Baccalaureate Sequence) MATH 115 and 120;
Option 3: (Non-Transfer Sequence) MATH 106 and 130.

*** Technical Electives: NCTK 212, 214; MECTK 251; SCM 220, 231, 232.

AAS Information Continued:

Recommended Course Sequence:

1st Semester: MECTK 110 or MACTR 110; MECTK 138; MECTK 115; Math; ENGL 110
2nd Semester: MECTK 121 or 125; MECTK 238; Math; PHYS 112; WELD 119
3rd Semester: MECTK 204; MECTK 231; PHYS 113; Technical Elective(s); Social Science
4th Semester: MECTK 226; MECTK 232; Humanities; ENGL 201; Technical Elective(s)

Mechanical Engineering Technology

AAS Mission: The mission of the Mechanical Engineering Technology Associate in Applied Science program is to prepare students to continue on for a bachelor's degree in manufacturing engineering or industrial technology or to enter the workforce in the manufacturing community.

Additional Program Info: The role of the Mechanical Engineering Technologist in industry is quite varied. They are often employed in the design office of a manufacturer. Some entry-level graduates construct 3D models of machines or parts. The career path of these graduates could lead to job titles of senior designer or design supervisor. Mechanical Engineering Technologists also work in product support, solving design-related problems, as service information technologists, write and develop service and repair instructions, applications engineers, who help equipment manufacturers design the correct bearings, pumps, motors, etc. into a wide range of products. Students develop a strong foundation in CAD software, analytical and rational problem solving skills, taking courses in mathematics, science, and machine design. Students can receive a bachelor's degree in Engineering Technology by transferring to Bradley University or one of several Illinois state universities.

Computer-Aided Mechanical Drafting

Mission: The mission of the Computer-Aided Mechanical Drafting certificate program is to provide students with the knowledge and skills required for entry-level employment in computer-aided design and drafting systems. Individuals will learn manufacturing processes, welding processes, and dimensional metrology.

Contact Information:

Agricultural and Industrial Technologies
AIT Building, Room 209
(309) 694-5171 or (309) 694-5510

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 68

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
ENGL 201	TECHNICAL COMMUNICATIONS	3
	<i>SOCIAL SCIENCE*</i>	3
MATH 137	TECHNICAL CALCULUS	3
PHYS 112	TECHNICAL PHYSICS I	4
	<i>HUMANITIES*</i>	3

PROGRAM COURSES:		CR. HRS.
MATH 130	TECHNICAL ALGEBRA AND TRIGONOMETRY	5
MECTK 110	INTRODUCTION TO THE TOOLS OF TECHNOLOGY	3
MECTK 121	INTRO TO MECHANICAL COMPUTER-AIDED DRAFTING AUTOCAD	3
MECTK 123	MECHANICAL DETAILING WITH CAD	3
MECTK 125	3-D MODELING WITH PRO-ENGINEER	4
MECTK 138	MANUFACTURING PROCESSES I	3
MECTK 201	MECHANISMS	3
MECTK 204	STATICS AND STRENGTH OF MATERIALS	4
MECTK 220	ADVANCED CAD PROJECTS	2
MECTK 221	MACHINE DESIGN I	3
MECTK 222	MACHINE DESIGN II	3
MECTK 231	INDUSTRIAL FLUID POWER	3
MECTK 232	MATERIALS SCIENCE AND PHYSICAL METALLURGY	3
PHYS 113	TECHNICAL PHYSICS II	4
WELD 119	WELDING PROCESSES	3

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: MECTK 110; MECTK 121; MECTK 138; ENGL 110; MATH 130

2nd Semester: MECTK 123; WELD 119; PHYS 112; MATH 137; Humanities

3rd Semester: MECTK 231; MECTK 221; MECTK 204; MECTK 125; PHYS 113

4th Semester: MECTK 220; MECTK 222; MECTK 201; MECTK 232; ENGL 201

Admission to the AAS Program: Students applying for admission to the program should have high school transcripts and ACT scores or college transcripts sent to the Enrollment Services Center. Math skills equivalent to two years of high school algebra and one year of high school geometry are required for admission to the program (two years of high school technical math or applied math equals one year of algebra). These courses are available at Illinois Central College for students wishing to upgrade their skills.

Computer-Aided Mechanical Drafting Certificate

Total Credit Hours: 26

PROGRAM COURSES:		CR. HRS.
MECTK 106	BASIC DRAFTING	2
MECTK 110	INTRODUCTION TO THE TOOLS OF TECHNOLOGY	3
MECTK 115	PRINCIPLES OF DIMENSIONAL METROLOGY	2
MECTK 121	INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD	3
MECTK 123	MECHANICAL DETAILING WITH CAD	3
MECTK 125	3-D MODELING WITH PRO-ENGINEER	4
MECTK 138	MANUFACTURING PROCESSES I	3
MECTK 231	INDUSTRIAL FLUID POWER	3
WELD 119	WELDING PROCESSES	3

Recommended Course Sequence:

1st Semester: MECTK 110; MECTK 138; MECTK 121; MECTK 106; MECTK 115

2nd Semester: MECTK 123; MECTK 125; WELD 119; MECTK 231

Admission to the Certificate Program:

Math skills equivalent to two years of high school algebra and one year of high school geometry are required for admission to the program. These courses are available at the College for applicants who need to upgrade their math skills.

Additional Program Info: The student can earn the certificate as they work towards a Mechanical Engineering Technology Associate in Applied Science degree and/or a baccalaureate in Manufacturing Engineering Technology or an Industrial Technology Associate in Applied Science degree.

Welding Technology

AAS Mission: The Welding Technology Associate in Applied Science degree program prepares students with the skills and knowledge to develop welding processes, troubleshoot equipment, part and quality problems as welding engineering technicians for industry.

Welding Specialist Mission: The mission of the Welding Specialist certificate program of study is to develop entry level welders for industry with skill in major commercial welding processes capable of part layout, inspection, and process troubleshooting.

Additional Program Info: The Welding Specialist certificate includes twenty-seven (27) credit hours of study and can be completed by the full-time student in two semesters. It provides additional welding skill, as well as enrichment in related areas such as fabrication and machine trades. The graduate is prepared for entry-level employment as a production, maintenance welder, or construction trades apprentice.

Contact Information:

Agricultural and Industrial Technologies
AIT Building, Room 209
(309) 694-5171 or (309) 694-5510

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Additional welding
certificates on
the next page.

Associate in Applied Science

Total Credit Hours: 61

GENERAL COURSES:

	CR. HRS.
ENGLISH*	3
COMMUNICATION*	3
LABORATORY SCIENCE/ MATHEMATICS*	7
SOCIAL SCIENCE*	3
HUMANITIES*	3

PROGRAM COURSES:

	CR. HRS.
MACTR 121 MACHINE TOOL OPERATION I	3
MECTK 121 INTRODUCTION TO MECHANICAL COMPUTER- AIDED DRAFTING USING AUTOCAD	3
MECTK 226 STATISTICS AND QUALITY CONTROL	3
MECTK 232 MATERIALS SCIENCE AND PHYSICAL METALLURGY	3
NCTK 110 INTRODUCTION TO NUMERICAL CONTROL SYSTEMS	3
WELD 111 WELDING BLUEPRINT READING	3
WELD 112 WELDING THEORY - SMAW	1
WELD 113 WELDING THEORY - GMAW	1
WELD 121 STICK WELDING I	1
WELD 122 STICK WELDING II	1
WELD 131 SEMI-AUTOMATIC ARC WELDING	1
WELD 135 ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW)	1
WELD 141 GAS TUNGSTEN ARC WELDING	1
WELD 150 WELD CERTIFICATION PREPARATION AND TESTING	1
WELD 161 MAINTENANCE WELDING 2	2
WELD 163 WELD FABRICATION WITH THE GMAW PROCESS	2
WELD 210 WELDING EQUIPMENT MAINTENANCE AND OPERATION	3
WELD 223 STICK WELDING III	1
WELD 230 WELD TESTING	3
WELD 240 WELD ENGINEERING TECHNOLOGY	2
WELD 263 WELD FABRICATION WITH THE SMAW PROCESS	2

* See specific requirements for Associate in Applied Science Degree.

AAS Information Continued:

Recommended Course Sequence:

1st Semester: English; WELD 111; WELD 112; WELD 113; WELD 121; WELD 122; WELD 131; WELD 135; WELD 161

2nd Semester: Laboratory Science/Mathematics; WELD 141; WELD 163; WELD 263; WELD 223; WELD 210
3rd Semester: Communication; Humanities; Laboratory Science/Mathematics; MECTK 121; WELD 230; MACTR 121

4th Semester: Social Science; NCTK 110; MECTK 226; MECTK 232; WELD 240

Welding Specialist Certificate

Total Credit Hours: 27

PROGRAM COURSES:

	CR. HRS.
MACTR 121 MACHINE TOOL OPERATION I	3
WELD 111 WELDING BLUEPRINT READING	3
WELD 112 WELDING THEORY - SMAW	1
WELD 113 WELDING THEORY - GMAW	1
WELD 121 STICK WELDING I	1
WELD 122 STICK WELDING II	1
WELD 131 SEMI-AUTOMATIC ARC WELDING	1
WELD 135 ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW)	1
WELD 141 GAS TUNGSTEN ARC WELDING	1
WELD 150 WELD CERTIFICATION PREPARATION AND TESTING	1
WELD 161 MAINTENANCE WELDING 2	2
WELD 163 WELD FABRICATION WITH THE GMAW PROCESS	2
WELD 210 WELDING EQUIPMENT MAINTENANCE AND OPERATION	3
WELD 223 STICK WELDING III	1
WELD 230 WELD TESTING	3
WELD 263 WELD FABRICATION WITH THE SMAW PROCESS	2

Recommended Course Sequence:

1st Semester: WELD 111; WELD 112; WELD 113; WELD 121; WELD 131; WELD 122; WELD 135; WELD 150; MACTR 121; WELD 161

2nd Semester: WELD 141; WELD 163; WELD 223; WELD 210; WELD 230; WELD 263

Welding Continued

Welding Operator Mission: The Welding Operator certificate program prepares students with entry-level skills in the major commercial welding processes, SMAW and GMAW. With welding skills in both processes, completers of the Welding Operator certificate might seek entry level welder positions in the construction as well as the manufacturing industry. All courses required for the Production Welder certificate program are included in the Welding Operator program.

Additional Program Info: The Welding Operator certificate consists of twelve semester hours of instruction. Upon completion of this program, the graduate is prepared for entry-level employment as a manufacturing production or construction apprentice welder.

Production Welder Mission: The mission of the Production Welder certificate program is to prepare students with the knowledge and skills pertaining to gas metal arc welding processes for employment as an entry-level welder in a manufacturing facility.

Additional Program Info: This certificate program of study provides minimum coursework and laboratory practice for individuals gaining MIG (GMAW) welding skills required by local employers for entry-level production welding skills. Students focus on the theory and practice associated with production welding in a manufacturing setting. Student will be required to provide their own personal safety equipment and welding hood.

Contact Information:

Agricultural and Industrial Technologies
AIT Building, Room 209
(309) 694-5171 or (309) 694-5510

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

*Welding AAS degree
and additional certificate
on previous page.*

Welding Operator Certificate

Total Credit Hours: 12

PROGRAM COURSES:		CR. HRS.
WELD 111	WELDING BLUEPRINT READING	3
WELD 112	WELDING THEORY - SMAW	1
WELD 113	WELDING THEORY - GMAW	1
WELD 121	STICK WELDING I	1
WELD 122	STICK WELDING II	1
WELD 131	SEMI-AUTOMATIC ARC WELDING	1
WELD 135	ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW)	1
WELD 150	WELD CERTIFICATION PREPARATION AND TESTING	1
WELD 161	MAINTENANCE WELDING	2

Recommended Course Sequence:

1st Semester: WELD 111; WELD 112; WELD 113; WELD 121; WELD 131; WELD 122; WELD 135; WELD 150; WELD 161

Production Welder Certificate

Total Credit Hours: 7

PROGRAM COURSES:		CR. HRS.
WELD 111	WELDING BLUEPRINT READING	3
WELD 113	WELDING THEORY - GMAW	1
WELD 131	SEMI-AUTOMATIC ARC WELDING	1
WELD 135	ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW)	1
WELD 150	WELD CERTIFICATION PREPARATION AND TESTING	1

Recommended Course Sequence:

1st Semester: WELD 111, WELD 113, WELD 131, WELD 135, WELD 150



Marketing Career Cluster

Planning, managing and performing marketing activities to reach organizational objectives

ICC does not offer any Transfer Degrees, AAS Degrees or Certificates in Marketing.

Other clusters that may have related degrees or certificates:

- Arts, A/V Technology & Communication
- Business Management & Administration



Science, Technology, Engineering & Mathematics Career Cluster

Planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services

ICC does not offer any AAS Degrees or Certificates in Science, Technology, Engineering & Mathematics.

- See Health Career Cluster for AAS degree or certificate options

For recommended courses in these transfer areas, see Transfer Degrees:

- Actuarial Science
- Biology
- Chemistry
- Engineering
- Environmental Science
- Geology
- Mathematics
- Meteorology
- Physics
- Pre-Chiropractic
- Pre-Medical, Pre-Dental
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Veterinary
- Statistics



Transportation, Distribution & Logistics Career Cluster

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance

Degrees and Certificates in this Career Cluster offered at Illinois Central College:

Automotive Technology	116
Associate in Applied Science	116
Caterpillar Dealer Service Technology	117
Associate in Applied Science	117
General Motors Automotive Service Educational Program (GM-ASEP)	118
Associate in Applied Science	118
Management - Supply Chain Management Option	119
Associate in Applied Science	119
Management of Supply Chain Certificate	119
Truck Driver Training Program	120
Certificate	120

Programs in other clusters that may be related:

- Diesel Powered Equipment Technology (Agriculture, Food & Natural Resources)

Automotive Technology

AAS Mission: The mission of the Automotive Technology Associate in Applied Science degree program is to prepare students for employment as an entry-level technician to be employed by automobile dealers, independent repair shops, mass merchandisers, auto manufacturers, part and component distributors, and other service oriented businesses.

Additional Information: Students participate in an 8-week internship during their sophomore year. Students are encouraged to take the National Institute for Automotive Service Excellence (ASE) exams, an evaluation program that qualifies the student as a technician in other states as well.

Accreditation: Automotive Service Excellence (ASE) certified program

Admission to the Program: Students entering the program should have mechanical aptitude and be interested in mechanical work. Students must provide their own tools for use throughout the course of study.

Contact Information:

Agricultural and Industrial Technologies
AIT Building Room 118
(309) 694-8522 or (309) 694-5616

Associate in Applied Science

Total Credit Hours: 67

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
	COMMUNICATION*	3
	SOCIAL SCIENCE*	3
	MATHEMATICS*	3

OR

AGBUS 118	AGRICULTURAL COMPUTATIONS	3
AUTO 115	FUEL AND IGNITIONS SYSTEMS FOR GASOLINE ENGINES	4
	HUMANITIES*	3

PROGRAM COURSES:		CR. HRS.
AUTO 110	INTERNAL COMBUSTION ENGINES	3
AUTO 111	INTRODUCTION TO AUTOMOTIVE TECHNOLOGY	3
AUTO 114	MOTOR VEHICLE ELECTRICAL SYSTEMS	3
AUTO 116	ELECTRICAL ACCESSORY CIRCUITS	3
AUTO 117	MANUAL TRANSMISSION AND DRIVE AXLES	3
AUTO 119	AUTOMOTIVE SUSPENSION, STEERING AND ALIGNMENT	3
AUTO 129	AUTOMOTIVE AIR CONDITIONING SYSTEMS	3
AUTO 201	ENGINE MACHINING AND REBUILDING	4
AUTO 204	AUTOMOTIVE BRAKE SYSTEMS	3
AUTO 213	ENGINE PERFORMANCE AND TESTING	3
AUTO 218	MOTOR VEHICLE ELECTRONICS	3
AUTO 234	AUTOMATIC TRANSMISSIONS	3
AUTO 243	SHOP PRACTICES	4
AUTO 244	EMISSIONS AND DRIVEABILITY	3
AUTO 250	AUTOMOTIVE INTERNSHIP	4

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: AUTO 110; AUTO 111;
AUTO 119; AUTO 114; ENGL 110

2nd Semester: AUTO 115; AUTO 116;
AUTO 117; MATHEMATICS or AGBUS
118; SOCIAL SCIENCE

Summer Semester 1: AUTO 129; AUTO 244

3rd Semester: AUTO 234; AUTO 201; AUTO
204; HUMANITIES; COMMUNICATION

4th Semester: AUTO 243; AUTO 213;
AUTO 218; AUTO 250

Caterpillar Dealer Service Technology

AAS Mission: The mission of the Caterpillar Dealer Service Technology Associate in Applied Science degree program is to prepare students for employment as a Service Technician in a sponsoring partner Caterpillar dealership. During this full time two year program the student will develop the necessary skills to be a productive member of the dealership's service team.

Additional Information: Each semester consists of eight weeks of technical classroom study and a required eight week dealer sponsored internship work experience. Upon graduation the student will have earned an Associate in Applied Science degree.

Accreditation: AED accredited

Admission to the Program: To be considered for the program, each candidate must take the Illinois Central College academic placement test and mechanical reasoning test to determine appropriate class placement. Students must provide their own tools for use throughout the course of study.

Contact Information:

Agricultural and Industrial
Technologies Department
Caterpillar Dealer Service
Technology Building
Room TT101
(309) 694-5716

Associate in Applied Science

Total Credit Hours: 69

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
	<i>SOCIAL SCIENCE*</i>	3
	<i>APPROVED MATHEMATICS**</i>	3
CATTK 110	CATERPILLAR ENGINE FUNDAMENTALS	4
	<i>HUMANITIES*</i>	3
PROGRAM COURSES:		CR. HRS.
CATTK 111	INTRODUCTION TO CATERPILLAR SERVICE INDUSTRY	2
CATTK 112	FUNDAMENTALS OF HYDRAULICS	3
CATTK 113	CATERPILLAR ENGINE FUEL SYSTEMS	3
CATTK 114	FUNDAMENTALS OF ELECTRICAL SYSTEMS	3
CATTK 115	AIR CONDITIONING	2
CATTK 116	FUNDAMENTALS OF TRANSMISSIONS & TORQUE CONVERTERS	3
CATTK 117	MACHINE HYDRAULIC SYSTEMS	3
CATTK 150	INTERNSHIP I	4
CATTK 151	INTERNSHIP II	4
CATTK 200	UNDERCARRIAGE/FINAL DRIVES	3
CATTK 201	MACHINE ELECTRONIC SYSTEMS	3
CATTK 202	CATERPILLAR ENGINE PERFORMANCE	2
CATTK 203	DIAGNOSTIC TESTING	1
CATTK 204	MACHINE SPECIFIC SYSTEMS	4
CATTK 250	INTERNSHIP III	4
CATTK 251	INTERNSHIP IV	4
WLDTR 120	WELDING	2

* See specific requirements for Associate in Applied Science Degree.

** Approved mathematics: AGBUS 118, BUS 120, MATH 110 or higher

Recommended Course Sequence:

1st Semester: CATTK 110; CATTK 111; WLDTR 120; CATTK 150; ENGL 110

2nd Semester: CATTK 112; CATTK 113; CATTK 114; CATTK 151; Approved Math
Summer Semester 1: CATTK 115; CATTK 116; CATTK 117

3rd Semester: CATTK 200; CATTK 201; CATTK 250; COMM 110; Humanities

4th Semester: CATTK 202; CATTK 203; CATTK 204; CATTK 251; Social Science

General Motors Automotive Service Educational Program (GM-ASEP)

AAS Mission: The mission of the General Motors Automotive Service Education Program (GM-ASEP) Associate in Applied Science degree program is to prepare students for employment in the automotive repair industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and forward thinking skills to serve as the next generation of automotive technicians.

Additional Information: Students completing the program will meet approximately 80 percent of GM Service Training Standards. The program involves attending classroom lectures and participating in laboratory activities using General Motors products at Illinois Central College. In addition, the student will intern at a General Motors dealership or an AC Delco Professional Service Center four times. Upon graduation, the student will be prepared to assume a position as an entry-level dealer service technician. During the course of study the students are encouraged to take the National Institute for Automotive Service Excellence (ASE) exams, an evaluation program that qualifies the student as a technician.

Students must provide their own tools for use throughout the program of study. Students must have a sponsor for the internships before acceptance into the program.

Accreditation: Automotive Technicians Education foundation (NATEF)

To Remain in and Graduate from the Program: Students must meet with an academic advisor prior to being accepted into the program. Their assigned academic advisor will plan a specific course schedule meeting Illinois Central College and personal requirements. Students must maintain a 2.8 GPA throughout the program.

Contact Information:

Agricultural and Industrial
Technologies Department
AIT Building, Room 118
(309) 694-5583 or (309) 694-5192

Associate in Applied Science

Total Credit Hours: 69

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
	COMMUNICATION*	3
	SOCIAL SCIENCE*	3
AGBUS 118	AGRICULTURAL	
OR	COMPUTATIONS	3
	APPROVED MATHEMATICS*	3
ASEP 221	INTERNAL COMBUSTION	
	ENGINES	4
	HUMANITIES*	3

PROGRAM COURSES:		CR. HRS.
ASEP 112	INTRODUCTION TO GM-ASEP	2
ASEP 115	ELECTRICAL SYSTEMS I	3
ASEP 117	AUTOMOTIVE SUSPENSION, STEERING AND ALIGNMENT	3
ASEP 125	ELECTRICAL SYSTEMS II	3
ASEP 129	AUTOMOTIVE BRAKE SYSTEMS	3
ASEP 132	AUTOMOTIVE HVAC	3
ASEP 133	ENGINE PERFORMANCE I	3
ASEP 137	MANUAL DRIVETRAINS	3
ASEP 151	INTERNSHIP	4
ASEP 150	INTERNSHIP	4
ASEP 210	ENGINE PERFORMANCE II	2
ASEP 215	ELECTRICAL SYSTEMS III	3
ASEP 217	AUTOMATIC TRANSMISSIONS	3
ASEP 229	EMISSIONS AND DRIVABILITY	3
ASEP 250	INTERNSHIP	4
ASEP 251	INTERNSHIP	4

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: ASEP 112; ASEP 115; ASEP 117; ENGL 110; ASEP 150
2nd Semester: ASEP 125; ASEP 129; ASEP 151, Social Science, AGBUS 118 or Approved Math
 Summer Semester 1: ASEP 132; ASEP 133; ASEP 137
3rd Semester: ASEP 210; ASEP 215; ASEP 217; ASEP 250; Humanities
4th Semester: ASEP 221; ASEP 229; Communication; ASEP 251

Management - Supply Chain Management Option

AAS Mission: The mission of the Supply Chain Management program is to prepare students for employment in Supply Chain Management through education in management, fundamental business concepts, and supply chain management.

To Graduate from the Program: Students should "Petition to Graduate" after completing 40 or more semester hours of this program.

Additional AAS Program Info: Internship courses are offered whereby students can gain work experience in their chosen field and earn college credit while working at an approved business location. Program requirements can be completed in four semesters of full-time study or on a part-time basis. The program is not designed for college transfer, although some courses may transfer with approval from four-year institutions.

Certificate Mission: The mission of the Management of Supply Chain Certificate program is to prepare students for employment in Supply Chain Management through education in management, fundamental business concepts, and supply chain management.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309)694-5558

Students enrolled in these programs must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Associate in Applied Science

Total Credit Hours: 68

GENERAL COURSES:		CR. HRS.
ENGL 110	COMPOSITION I	3
ENGL 125	BUSINESS COMMUNICATIONS	3
OR		
COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3
ECON 105	SURVEY OF ECONOMIC PRINCIPLES	3
OR		
ECON 110	PRINCIPLES OF MACROECONOMICS	3
BUS 120	BUSINESS MATHEMATICS	3
LABORATORY SCIENCE/	MATHEMATICS*	4
HUMANITIES*		3

PROGRAM COURSES:		CR. HRS.
ACCTG 120	FINANCIAL ACCOUNTING	4
BUS 112	INTRODUCTION TO BUSINESS CAREERS	1
BUS 151	JOB ORIENTATION	2
BUS 200	HUMAN RELATIONS IN BUSINESS	3
BUS 215	LEGAL ENVIRONMENT OF BUSINESS	3
CMGEN 120	COMPUTER APPLICATIONS	3
OR		
CMPSC 120	BUSINESS COMPUTER SYSTEMS	3
MGMT 113	PRINCIPLES OF MANAGEMENT	3
MGMT 205	PERSONNEL MANAGEMENT	3
MGMT 211	MANAGING THE SUPPLY CHAIN	3
MGMT 213	MANAGEMENT CASES AND PROBLEMS	3
OR		
MGMT 260	MANAGEMENT INTERNSHIP	3
MKTG 112	PRINCIPLES OF MARKETING	3
SCM 111	CONTEMPORARY LOGISTICS	3
SCM 220	BASICS OF SUPPLY CHAIN MANAGEMENT	2
SCM 231	QUALITY MANAGEMENT	2
SCM 232	OPERATIONS MANAGEMENT	3
SCM 233	PROJECT MANAGEMENT	3
SCM 234	STRATEGIC PLANNING	2

ELECTIVE COURSES:		CR. HRS.
BUSINESS ELECTIVE**		3

* See specific requirements for Associate in Applied Science Degree.

** BUS 111 is recommended for the Supply Chain Option.

AAS Information Continued:

Recommended Course Sequence:

1st Semester: ENGL 110; BUS 112; BUS 120; MGMT 113; ACCTG 120; CMGEN 120 or CMPSC 120

2nd Semester: ENGL 125 or COMM 110; BUS 215; BUS 200; MKTG 112; Business Elective

3rd Semester: MGMT 205; Lab Science/Math; SCM 220; SCM 231; SCM 233; MGMT 211

4th Semester: MGMT 213 or 260; ECON 105 or 110; BUS 151; Humanities; SCM 232; SCM 234; SCM 111

Management of Supply Chain Certificate

Total Credit Hours: 27 to 28

PROGRAM COURSES:		CR. HRS.
MKTG 112	PRINCIPLES OF MARKETING	3
MGMT 211	MANAGING THE SUPPLY CHAIN	3
SCM 111	CONTEMPORARY LOGISTICS	3
SCM 220	BASICS OF SUPPLY CHAIN MANAGEMENT	2
SCM 231	QUALITY MANAGEMENT	2
SCM 232	OPERATIONS MANAGEMENT	3
SCM 233	PROJECT MANAGEMENT	3
SCM 234	STRATEGIC PLANNING	2
ELECTIVES*6-7		

* Choose 2 of the following recommended electives: ACCTG 120, 121; BUS 111, 115, 200; ECON 110; MGMT 113; MKTG 260.

Recommended Course Sequence:

1st Semester: MKTG 112; SCM 220; SCM 231; SCM 233; MGMT 211

2nd Semester: 2 Approved Electives; SCM 111; SCM 232; SCM 234

Truck Driver Training Program

Mission: Tractor trailer drivers are prepared to take the Illinois Secretary of State administered Class A Road Test, which results in a Commercial Drivers License (CDL). Drivers with CDLs are employed by a variety of trucking industry companies. Subjects covered include trucking and transport regulations, reporting, map reading and trip planning, as well as driving techniques. The program consists of 48 hours of classroom lecture and 112 hours of "yard" work (backing skills and pre-trip inspections), and on the road experience.

Additional Information: Prior to enrolling in this program, students are encouraged to obtain a copy of their Motor Vehicle Report from the Secretary of State's Drivers License Bureau.

Admission to the Program: Admission criteria include: ability to read and write the English language; minimum age of 18 (those over age 21 receive greater placement assistance); ability to meet the Federal Department of Transportation requirements; a valid regular driver's license; and acceptable driving history.

Contact Information:

Professional Development Institute
(309) 694-8555

Certificate

Total Credit Hours: 7

PROGRAM COURSES:	CR. HRS.
PDTTD 110 TRUCK DRIVING	7

Recommended Course Sequence:

1st Semester: PDTTD 110

Associate in General Studies

The Associate in General Studies degree allows individuals interested in acquiring a broad range of academic courses to suit their specific needs. While it is not designed as a transfer degree, some coursework may fulfill Illinois Articulation Initiative general requirements or transfer to a four-year college or university. Students who choose this option should work closely with their advisors to determine whether this option meets current and future needs.

Associate in General Studies

Total Credit Hours: 60 to 64

Program Information:

In addition to the General Requirements for a Degree in the current College Catalog, candidates for the Associate in General Studies Degree must complete the degree with an overall grade point average of 2.00 (C) for all courses counted towards graduation.

Graduates must complete a minimum of 60 credit hours all labeled "TC" or "OC", including the following:

Contact Information:

Advisement and Counseling Services
East Peoria Campus
Room L220
(309) 694-5281

Associate in General Studies**PROGRAM COURSES:**

ENGLISH *	6 CR. HRS.
SOCIAL SCIENCE *	6 CR. HRS.
MATHEMATICS *	3 CR. HRS.
LABORATORY SCIENCE *	4 CR. HRS.
HUMANITIES *	3 CR. HRS.

ELECTIVE COURSES:

ELECTIVES*	37 CR. HRS.
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* See specific requirements for Associate in General Studies Degree in the current ICC Catalog.

Recommended Course Sequence:

1st Semester: Humanities; Electives

2nd Semester: English; Mathematics; Electives

3rd Semester: Laboratory Science; Social Science; Electives

4th Semester: English; Social Science; Electives

Transfer Degrees

Associate in Arts Degrees

Associate in Science Degrees

Associate in Engineering Science Degree

Transfer Degrees

Transfer Degrees	125
Transfer	125
Baccalaureate Completion / Transfer Agreements	126
IAI/ICC General Education Course Alignment.....	127

Transfer Degrees

Illinois Central College offers a wide variety of courses specifically designed for transfer. The keys to successful transfer are to start planning immediately and to select coursework carefully. The Associate in Arts (A.A.), the Associate in Science (A.S.), and the Associate in Engineering Science (A.E.S.) degrees are intended for students planning to transfer to a college or university for a baccalaureate degree. However, since requirements can vary from one institution to another, it is recommended that students meet regularly with an academic advisor as well as verify information with the transfer institution.

Academic advisors are available to help students develop an individual education plan. Although Associate in Applied Science (A.A.S.) programs are not primarily designed for transfer to a four-year institution, ICC has established articulation agreements with a number of colleges and universities so that many A.A.S. degrees may transfer. Students should consult an academic advisor or program coordinator regarding the growing transfer possibilities with the A.A.S. degrees.

Transfer

East Peoria Campus • CC204 • (309) 694-5330

About Transferring

Students who earn the Associate in Arts or Associate in Science (A.A. or A.S.) degrees at Illinois Central College before transferring may be granted junior standing by many baccalaureate institutions considering the general education requirements are completed. Transfer students should check early with their transfer institutions and advisors to ensure they are meeting ALL requirements specific to each individual institution. A few colleges/universities may do a course-by-course examination of work from Illinois Central College, and could expect students to complete some general education courses at their institution. Students should work together with their academic advisors and the Transfer Center along with transfer institutions to build a transfer degree program appropriate for them. As a general rule, earning an A.A. or A.S. degree is an excellent strategy for transfer. Students who decide to transfer to another college in Illinois before they earn an A.A. or A.S. degree will find that IAI-approved courses will be accepted by most baccalaureate institutions. Transferring without completing the general education core curriculum may mean that students must complete the general education requirements at the four-year institution.

Transfer Planning

By carefully constructing an educational plan, students can select Illinois Central College courses for transfer to a variety of four-year colleges and universities. When a student has selected a transfer school, it is important that the student review that institution's specific admission and course requirements. Transfer information can be obtained from their academic advisor and the Transfer Center or on the Transfer Assistance page on the ICC website <http://icc.edu/students/transfer-assistance/>.

Transferring from Illinois Central College

The Transfer Center at Illinois Central College offers information about transferring to baccalaureate institutions. For successful transfer, the following checklist is available for all students who plan to transfer:

1. Choose a Plan of Study (Major)

You can investigate possible career paths in the ICC Career Center or through labor market information and career interest surveys.

2. Plan Your ICC Courses

Your academic advisor and/or the Transfer Center, can assist in course selection. Transfer program course guides are available in various department offices and/or on the College website. Because transfer requirements change frequently, verify all transfer information directly with the college/university.

3. Visit the ICC Transfer Center

Transfer Center has the following available resources: internet access, college-career search programs, applications, college catalogs, and more.

To schedule an appointment call (309) 694-5330 or email transfercenter@icc.edu

4. Research and Choose a University

Be sure to compare academic programs, entrance requirements, costs, deadlines for applications and transcript submission, and housing requirements for each of the possible colleges/universities.

5. Visit Campuses

Try to visit each of the colleges as time and resources permit; try to envision yourself there. Virtual tours may be available on the Internet and many college representatives also come to the ICC campus in October for "Transfer Day / College Night" and throughout the year.

6. Apply for Admission

Submit your applications (and fees, if needed) to your transfer institutions of choice.

7. Send Transcripts

Send your academic transcripts (from all colleges you have attended) and obtain letters of recommendation, if necessary.

8. Secure Financial Aid

Complete the financial aid process by completing the Free Application for Federal Student Aid (FAFSA) application.

9. Stay in Touch With Your Transfer School

Once you have been accepted, complete the housing process and register for classes as soon as possible.

10. Attend Your Transfer School's Orientation

Attend any "Transfer Days" or student orientations to get involved at your new school.

Baccalaureate Completion / Transfer Agreements

Illinois Articulation Initiative (IAI)

Illinois Central College participates in the Illinois Articulation Initiative (IAI), and has since 1998. Under the terms of IAI, a student who fulfills the general education requirements for the Associate in Arts Degree and Associate in Science Degree as listed in this catalog may also fulfill the lower divisional general education requirements at more than 100 colleges and universities, both private and public, within the State of Illinois.

This benefit is intended to make the transition to an Illinois four-year college or university easier. Information about IAI, including names of participating schools and specific course information, is available from Illinois Central College academic advisors, the ICC Transfer Center, and the IAI website: iTransfer.org

Refer to IAI and ICC General Education Course Alignment (next page) and follow ICC's IAI/Transfer guidelines:

- Students should be advised that most universities will accept for transfer no more than approximately 66 credit hours from a community college toward the bachelor degree.
- Students transferring in the completed IAI General Education Core Curriculum (GECC) will not be required to complete ICC's Associate in Arts Degree or Associate in Science Degree specific requirements.
- The College will accept IAI GECC courses that have a passing grade when the Core has not been completed prior to transfer. Students must maintain an overall cumulative grade point average of 2.00 (C) in all IAI GECC courses and ENGL 110 and ENGL 111 must receive a grade of C or better.
- ICC does not accept partial semester credit, but will accept credit for quarter hours to satisfy course requirements. Minimum hours required for Associate in Arts Degree or Associate in Science Degree will remain at 60 hours.
- Transfer credit may be accepted from another college or university accredited by a regional accrediting association. If the credit is not from such an institution, the transcript will not be evaluated nor will the credit be accepted as fulfilling IAI requirements.
- ICC accepts College-Level Examination Program (CLEP) credits to satisfy credit requirements for a degree and/or as fulfilling the IAI GECC. Refer to Credit for Prior Learning on page 16 for more information on CLEP. If a student fulfills the entire IAI package at a school and the school so certifies, ICC will accept that the student has fulfilled the IAI general education requirements. If the student does not complete the entire IAI package, courses will be accepted on a course-by-course basis.

IAI/ICC General Education Course Alignment

Communications (9 Credit Hrs)

C1900	ENGL110	Composition I
C1901R	ENGL111	Composition II
C2900	COMM110	Introduction to Communication: Presentation and Theory
C2900	COMM212	Public Speaking

Mathematics (3 Credit Hrs)

M1900-1	MATH222	Calculus and Analytic Geometry I
M1900-2	MATH223	Calculus and Analytic Geometry II
M1900-3	MATH224	Calculus and Analytic Geometry III
M1900-B	MATH135	Calculus for Business and Social Science
M1902	MATH111	General Education Statistics
M1902	MATH211	Statistical Analysis
M1903	MATH201	Mathematics for Elementary Teachers II
M1904	MATH110	Concepts of Mathematics
M1905	MATH122	Discrete Mathematics I
M1906	MATH134	Finite Math

Physical and Life Sciences (7-8 Credit Hrs)

L1900L	BIOL110	Life Science
L1900L	BIOL111	Concepts in Biology
L1905L	BIOL114	Environmental Biology
L1905L	BIOL115	Native Plants and Animals
L1905L	BIOL250	Field Biology
L1906	BIOL150	Genetics
L1910L	BIOL160	BioPrinciples I
L1910L	BIOL161	BioPrinciples II
P1900L	PHYS120	General Physics
P1901L	PHYS110	Foundations of Physics
P1902L	CHEM115	Foundations of Chemistry
P1902L	CHEM120	Principles of Chemistry I
P1902L	CHEM130	General Chemistry
P1903	CHEM113	Chemistry and Global Issues
P1903L	CHEM110	Chemistry and Society
P1905	EASC117	Survey of Earth Science
P1905L	EASC111	Survey of Earth Science
P1905L	EASC118	Introduction to Weather & Climate
P1906L	PHYS114	Introduction to Astronomy
P1907	EASC250	Field Geology
P1907L	EASC116	Introduction to Geology
P9900L	PHYS110	Energy and Environment

Humanities and Fine Arts (9 Credit Hrs)

F1900	MUS150	Music Appreciation
F1901	MUS149	Introduction to Music Literature
F1904	MUS148	Introduction to American Music
F1906	DANCE115	Appreciation of Dance
F1907	THTRE110	Theatre Appreciation
F1907	THTRE111	Modern Drama
F2900	ART110	Art Appreciation
F2901	ART150	Art History I
F2902	ART151	Art History II
F2903N	ART152	Non-Western Art History
F2904	ART142	The History of Photography
F2908	FILM110	Survey of Film
F2909	MCOMM224	History of Motion Pictures
F9900	HUMAN128	Art and Music
F9900	HUMAN250	Experiences in Art and Music
H1900	ARA211	Intermediate Modern Arabic IV
H1900	FR211	Intermediate French II

H1900	ITAL211	Intermediate Italian II
H1900	SPAN211	Intermediate Spanish II
H2906	HIST111	Early World Civilizations
H2907	HIST112	Modern World Civilizations
H3900	LIT110	Introduction to Literature
H3901	LIT111	The Short Story and the Novel
H3903	LIT117	Introduction to Poetry
H3905	LIT214	Shakespeare
H3906	LIT250	Masterpieces of Western Literature
H3908N	LIT124	Non-Western Literature
H3910D	LIT122	Literature of Ethnic America
H3911D	LIT119	Women's Literature
H3912	LIT212	British Literature: Beginnings to 1800
H3913	LIT213	British Literature: 1800 to the Present
H3914	LIT215	American Literature: Beginnings to 1865
H3915	LIT216	American Literature: 1865 to the Present
H4900	PHIL110	Introduction to Philosophy
H4904	PHIL115	Ethics
H4905	PHIL116	Philosophy of Religion
H4906	PHIL111	Logic
H5901	LIT120	The Bible as Literature
H5904N	PHIL112	Comparative Religions
H9901	LIT115	Mythology
HF902	HUMAN123	Classical Humanities: Beginnings Through 1650
HF903	HUMAN124	Modern Humanities: 1650-1900
HF903	HUMAN125	Contemporary Humanities
HF904N	INTST132	Latin American Humanities
HF904N	INTST133	Cultures & Civilizations of Sub-Saharan Africa
HF908	FILM111	Film and Literature

Social and Behavioral Sciences (9 Credit Hrs)

S1901N	SOC213	Introduction Cultural Anthropology
S2900	HIST201	American History to 1877
S2901	HIST202	American History since 1877
S2902	HIST117	Early Western Civilization
S2903	HIST118	Modern Western Civilization
S2920N	HIST231	History of East Asia
S2920N	INTST130	The Society and Culture of China
S2920N	INTST 134	Intro to Middle Eastern Culture
S3901	ECON110	Principles of Macroeconomics
S3902	ECON111	Principles of Microeconomics
S4900N	GEOG112	Cultural Geography
S4901	GEOG118	Geography of the Developed World
S4902N	GEOG116	Geography of the Developing World
S4903N	GEOG200	Economic Geography
S5900	POLSC115	American National Government
S5902	POLSC119	State and Local Governments
S5903	POLSC120	Political Methods and Concepts
S5904	POLSC122	Intro to International Relations
S5905	POLSC124	Comparative Political Systems
S6900	PSY110	Introduction to Psychology
S6903	PSY202	Child and Adolescent Development
S6905	PSY220	Adulthood and Aging
S7900	SOC110	Introduction to Sociology
S7901	SOC114	Social Problems
S7902	SOC120	Marriage and the Family
S7903D	SOC219	The Sociology of Race and Ethnicity in America
S8900	PSY210	Human Social Behavior
S8900	SOC218	Introduction to Social Psychology
S9900	INTST140	Global Issues
S9900	SSC111	Americans and Their Culture

Associate in Arts

The Associate in Arts degree is designed to provide students with the foundation for transferring to a four-year college or university. The degree requires a minimum of 60 credit hours; approximately 40 of those hours are in general education coursework. (See page 40 for General Education requirements) Students usually choose to focus the remaining hours of coursework in their future area of emphasis.

A special agreement called the Illinois Articulation Initiative (IAI) works to make transfers between participating colleges and universities within Illinois smoother. Most colleges and universities will accept no more than roughly 66 credit hours from community colleges towards a bachelor degree. Colleges participating in the IAI agree to accept the general education coursework completed at ICC as a package – to meet the general education requirements at IAI participating schools. Some schools have additional or specific courses they want above the IAI gen eds. To most effectively plan coursework at ICC, students should work with their advisor and the Illinois Central College Transfer Center.

The following pages outline recommended coursework that will help prepare a student for continued education in their selected field of study.

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

In addition to the General Requirements for a Degree, candidates for the degree of Associate in Arts must complete at least 60 semester hours of TRANSFER CREDIT courses including the General Education requirements. Check current IAI transfer status by confirming at iTransfer.org. See the current ICC catalog for further descriptions. Courses labeled occupational credit (OC) in course descriptions may not be applied to degree requirements.

All students who earn the Associate in Arts Degree must complete the specific degree requirements in effect for the Associate in Arts degree at the time they complete the "Application for Degree/Certificate."

Additional Program Info:

This degree program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

Contact Information:

Academic Advisement
East Peoria Campus
Career Center
Room CC201
(309) 694-5281

Associate in Arts**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>		COMMUNICATION*	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE*	9 CR. HRS.
<input type="checkbox"/>		MATHEMATICS*	3 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE*	3-4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE*	3-4 CR. HRS.
<input type="checkbox"/>		FINE ARTS*	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES*	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS*	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ELECTIVES	23 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: ENGL 110; Life Science; Humanities; Communication; Electives

2nd Semester: ENGL 111; Social Science; Physical Science; Fine Arts; Electives

3rd Semester: Social Science; Mathematics; Electives

4th Semester: Humanities/Fine Arts; Social Science; Electives

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The Accountancy program of study is designed for the student who plans to pursue a career in accounting after completion of a bachelor's degree program. Upon completion of the degree at Illinois Central College, most of the general education requirements at most state universities in Illinois will have been met as well as the usual accounting and business courses found in the typical first two years of a bachelor's degree. Public accounting, private accounting, managerial accounting, cost and governmental accounting are a sampling of the areas in which the student may specialize after transferring to a four-year bachelor's degree.

Additional Program Info:

This degree program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

To Remain in and Graduate from the Program:

Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements. Students transferring to a four year institution are advised to check with their transfer institution which may recommend 60 credit hours be completed before transfer.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309) 694-5558

**Accountancy****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	MATH 135	CALCULUS FOR BUSINESS AND SOCIAL SCIENCES	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ACCTG 120	FINANCIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	ACCTG 121	MANAGERIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	BUS 203	BUSINESS STATISTICS	4 CR. HRS.
<input type="checkbox"/>	BUS 215	LEGAL ENVIRONMENT OF BUSINESS	3 CR. HRS.
<input type="checkbox"/>		APPROVED ELECTIVES **	7 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Select electives with the assistance of an advisor based upon transfer institution requirements: BUS 110, 111; CMPSC 120; MATH 115; ACCTG 206, 207, 208, 209

Recommended Course Sequence:

1st Semester: ENGL 110; COMM 110; Life Science; Humanities; Approved Elective

2nd Semester: ENGL 111; MATH 135; Social Science; Fine Arts; Approved Elective

3rd Semester: ACCTG 120; BUS 215; ECON 110; Physical Science

4th Semester: ACCTG 121; BUS 203; ECON 111; Humanities/Fine Arts;

Approved Elective (if needed)

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

Students who have a strong interest in mathematics and business should investigate the Actuarial Science field of study. Actuaries use mathematical, statistical, and economic models to design, price, finance, and operate benefit plans which protect people from risks of injury, illness, death, property damage, and the loss of income due to unemployment or retirement. A required background in calculus, accounting, and economics can be acquired at Illinois Central College.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

**Actuarial Science****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE	7 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3-4 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ACCTG 120	FINANCIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	ACCTG 121	MANAGERIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	CMPSC 125	CS I: PROGRAMMING IN C++	3 CR. HRS.
OR			
<input type="checkbox"/>	ENGR 230	PROGRAMMING ENGINEERING APPLICATIONS	3 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	MATH 224	CALCULUS AND ANALYTIC GEOMETRY III	4 CR. HRS.
<input type="checkbox"/>	MATH 230	LINEAR ALGEBRA	3 CR. HRS.

* See specific requirements for Associate in Arts degree.

Recommended Course Sequence:

1st Semester: MATH 222; ENGL 110; Life Science; Social Science

2nd Semester: MATH 223; ENGR 230 or CMPSC 125; ENGL 111; Physical Science; Fine Arts

3rd Semester: MATH 224; COMM 110 or COMM 212; ACCTG 120; ECON 110; Humanities

4th Semester: MATH 230; ACCTG 121; ECON 111; Humanities/Fine Arts; Electives

Associate in Arts

Total Credit Hours 60 to 64



Program Information:

This program of study sequence is designed for students planning to transfer to a four-year institution pursuing a Bachelors degree in Agriculture. The student is encouraged to enroll in courses required at the transferring institution so it is important that each student determine as early as possible which institution he/she is planning to attend after completion of courses at Illinois Central College.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Admission to the Program:

The student enrolling in this curriculum should be in the upper half of his/her high school class or have an ACT composite score of 20 or above. Job availability will be dependent upon the major at the four-year institution. Students are encouraged to complete the following courses in high school: (1) three or four years of mathematics; (2) two or three years of science; (3) four years of English; and (4) two to four years of agriculture (where offered).

Contact Information:

Agricultural and Industrial Technologies Department
Agricultural Program
East Peoria Campus, AIT Building, Room 209
Telephone: (309) 694-5171

Agriculture

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	AGBUS 110	INTRODUCTORY ECONOMICS OF FOOD, FIBER, AND NATURAL RESOURCES	3 CR. HRS.
<input type="checkbox"/>	AGBUS 115	COMPUTER TECHNOLOGY IN AGRICULTURE	3 CR. HRS.
<input type="checkbox"/>	AGMEC 110	INTRODUCTORY AGRICULTURAL MECHANIZATION	3 CR. HRS.
<input type="checkbox"/>	AGRI 110	PRINCIPLES OF ANIMAL SCIENCE	4 CR. HRS.
<input type="checkbox"/>	AGRI 200	INTRODUCTORY SOIL SCIENCE	4 CR. HRS.
<input type="checkbox"/>	AGRI 204	INTRODUCTORY CROP SCIENCE	4 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ELECTIVE **	3-4 CR. HRS.
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* See specific requirements for Associate in Arts Degree and seek the assistance of an advisor to meet the requirements of the transfer institution.

** Electives should be chosen with the help of an advisor.

Recommended Course Sequence:

1st Semester: ENGL 110; Life Science; AGRI 110; ECON 110; Mathematics

2nd Semester: ENGL 111; Physical Science; AGBUS 110; AGMEC 110

3rd Semester: AGRI 204; Social Science; COMM 110 or COMM 212, Humanities; Fine Arts

4th Semester: AGRI 200; AGBUS 115; Humanities/Fine Arts, Social Science, Elective

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

This program of study is designed to satisfy requirements for the first two years at the University of Illinois Urbana-Champaign School of Architecture. Students who complete this sequence and are admitted to the University of Illinois typically enter as juniors.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. For students planning to transfer to UIUC three years of High School or three semesters of college Foreign Language, Calculus/Physics and Western/World Civilization must be completed prior to transfer.

Admission to the Program:

Suggested high school courses should include four years of high school mathematics, two to three years of foreign language, one laboratory science, and one year of architectural drafting or art.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113 or Dirksen Hall
(309) 694-5734



Architecture

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>	HIST 117	EARLY WESTERN CIVILIZATION	3 CR. HRS.
OR			
<input type="checkbox"/>	HIST 118	MODERN WESTERN CIVILIZATION	3 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I **	5 CR. HRS.
<input type="checkbox"/>	PHYS 120	GENERAL PHYSICS	5 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>	HIST 111	EARLY WORLD CIVILIZATIONS	4 CR. HRS.
OR			
<input type="checkbox"/>	HIST 112	MODERN WORLD CIVILIZATIONS	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ARCH 110	ARCHITECTURAL ORIENTATION	3 CR. HRS.
<input type="checkbox"/>	ARCH 131	ARCHITECTURAL CONSTRUCTION I	4 CR. HRS.
<input type="checkbox"/>	ARCH 137	FUNDAMENTALS OF ARCHITECTURAL DRAWING	3 CR. HRS.
<input type="checkbox"/>	ARCH 201	BASIC DESIGN STUDIO I	3 CR. HRS.
<input type="checkbox"/>	ARCH 202	BASIC DESIGN STUDIO II	3 CR. HRS.
<input type="checkbox"/>	ARCH 203	INTRODUCTION TO THE HISTORY OF ARCHITECTURE	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ARCH 139	ARCHITECTURAL FREEHAND DRAWING II ***	2 CR. HRS.
<input type="checkbox"/>	ARCH 138	ARCHITECTURAL FREEHAND DRAWING I ***	2 CR. HRS.
<input type="checkbox"/>	ARCH 132	ARCHITECTURAL CONSTRUCTION II ***	4 CR. HRS.
<input type="checkbox"/>		APPROVED ELECTIVES ***	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** MATH 222 and (PHYS 120 or MATH 223). MATH 223 is required for students entering UIUC if pursuing M. ARCH Structures Options-see advisor

*** Architecture requirements vary by receiving institution and it is strongly recommended that you meet with your advisor and select appropriate electives based off your receiving institution. The recommended course sequence is designed to satisfy requirements for the first two years at the University of Illinois Urbana-Champaign School of Architecture. Students who complete this sequence and are admitted to the University of Illinois typically enter as juniors.
Other electives include ARCTK 255; ARCH 204; ARCH 111; and ARCH 112.

Recommended Course Sequence:

1st Semester: ARCH 110; ARCH 137; ARCH 138; ENGL 110; Fine Arts; Social Science

2nd Semester: ARCH 131; ARCH 139, ENGL 111; MATH 222; COMM 110

3rd Semester: ARCH 132; ARCH 201; ARCH 203; HIST 111 or HIST 112; PHYS 120

4th Semester: ARCH 202; Life Science; HIST 117 or HIST 118; Social Science; Humanities/Fine Arts

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

The Art area of study provides the basic general education requirements and art courses for students planning to transfer to a four-year institution to earn a baccalaureate degree. Art students should keep in constant preparation a portfolio of their work. It is often from these works that class placement is determined when transferring to a four-year institution.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113



Art

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	9 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>	ART 150	ART HISTORY I	3 CR. HRS.
<input type="checkbox"/>	ART 151	ART HISTORY II	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ART 111	2D DESIGN	3 CR. HRS.
<input type="checkbox"/>	ART 112	3D DESIGN	3 CR. HRS.
<input type="checkbox"/>	ART 120	DRAWING I	3 CR. HRS.
<input type="checkbox"/>	ART 121	FIGURE DRAWING I	3 CR. HRS.
<input type="checkbox"/>	ART 200	PAINTING I	3 CR. HRS.
<input type="checkbox"/>	ART 222	ADVANCED DRAWING	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		ART ELECTIVES **	6 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Art electives: ART 140, 141, 142, 152, 201, 204, 205, 206, 210, 221 and 255

Recommended Course Sequence:

1st Semester: ART 111; ART 120; ENGL 110; Mathematics; Life Science

2nd Semester: ART 112; ART 121; ART 150; ENGL 111; Physical Science

3rd Semester: ART 222; ART 200; COMM 110; ART 151; Social Science;

4th Semester: Art Elective; Art Elective; Social Science; Social Science; Humanities

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The Business Administration area of study is for students intending to transfer to a four-year institution to pursue a bachelor's degree in business-oriented fields such as general management, marketing, advertising, finance and production management. Students have obtained successful business careers with firms such as Caterpillar Inc., General Electric, Procter and Gamble, and IBM. Illinois Central College has special articulation agreements with many four-year institutions insuring transfer of coursework. PLEASE CONTACT AN ACADEMIC ADVISOR REGARDING THESE AGREEMENTS. Specialty courses in the student's major are usually taken at the transfer institution during the junior and senior years.

Additional Program Info:

This degree program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309) 694-5558

Business Administration**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	MATH 135	CALCULUS FOR BUSINESS AND SOCIAL SCIENCES	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3-4 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ACCTG 120	FINANCIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	ACCTG 121	MANAGERIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	BUS 110	INTRODUCTION TO BUSINESS	3 CR. HRS.
OR			
<input type="checkbox"/>	BUS 111	INTERNATIONAL BUSINESS	3 CR. HRS.
<input type="checkbox"/>	BUS 203	BUSINESS STATISTICS	4 CR. HRS.
<input type="checkbox"/>	BUS 215	LEGAL ENVIRONMENT OF BUSINESS	3 CR. HRS.
<input type="checkbox"/>	CMPSC 120	BUSINESS COMPUTER SYSTEMS	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: ACCTG 120; BUS 110 or BUS 111; ENGL 110; MATH 135

2nd Semester: ACCTG 121; CMPSC 120; ENGL 111; Social Science; Fine Arts

3rd Semester: BUS 215; ECON 110; Humanities/Fine Arts; Physical Science

4th Semester: BUS 203; COMM 110; ECON 111; Life Science; Humanities

Associate in Arts

Total Credit Hours 60 to 64



Program Information:

Communication is the most significant tool of humankind. In various forms, communication is all around us and constitutes the basis for all human interaction. Courses at Illinois Central College are designed to allow the student to explore both the practical and creative natures of communication as it relates to the world in which we live. Illinois Central College provides two approaches to the study of communication - the General Communication Studies option and the Public Relations option. As a natural outgrowth and extension of communication classes, Illinois Central College's Forensic Union/Speech Team offers interested students the opportunity to participate in an intercollegiate forensic program, which has achieved several national championships. Students completing the Public Relations option should consider elective courses in business, marketing, or political science.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

Communication - General Communication

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	MATH 111	GENERAL EDUCATION STATISTICS	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	COMM 113	BUSINESS AND PROFESSIONAL SPEAKING	3 CR. HRS.
<input type="checkbox"/>	COMM 115	INTRODUCTION TO PUBLIC RELATIONS	3 CR. HRS.
<input type="checkbox"/>	COMM 120	INTERPERSONAL COMMUNICATION	3 CR. HRS.
<input type="checkbox"/>	COMM 203	SMALL GROUP COMMUNICATION	3 CR. HRS.
<input type="checkbox"/>	COMM 204	INTERCULTURAL COMMUNICATION	3 CR. HRS.
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	COMM 245	INTRODUCTION TO COMMUNICATION THEORY	3 CR. HRS.
<input type="checkbox"/>	MCOMM 113	INTRODUCTION TO RADIO, TV, AND EMERGING MEDIA	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: COMM 110; COMM 120; ENGL 110; Fine Arts; Social Science

2nd Semester: COMM 203; ENGL 111; MCOMM 113; Life Science

3rd Semester: COMM 113; COMM 115; COMM 212; COMM 245; Physical Science; Social Science

4th Semester: COMM 204; MATH 111; Humanities; Humanities/Fine Arts; Social Science

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

Communication is the most significant tool of humankind. In various forms, communication is all around us and constitutes the basis for all human interaction. Courses at Illinois Central College are designed to allow the student to explore both the practical and creative natures of communication as it relates to the world in which we live. Illinois Central College provides two approaches to the study of communication - the General Communication Studies option and the Public Relations option. As a natural outgrowth and extension of communication classes, Illinois Central College's Forensic Union/Speech Team offers interested students the opportunity to participate in an intercollegiate forensic program, which has achieved several national championships. Students completing the Public Relations option should consider elective courses in business, marketing, or political science.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

Communication - Public Relations**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	POLSC 115	AMERICAN NATIONAL GOVERNMENT	3 CR. HRS.
OR			
<input type="checkbox"/>	SSC 111	AMERICANS AND THEIR CULTURE	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	MATH 111	GENERAL EDUCATION STATISTICS	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>	HUMAN 125	CONTEMPORARY HUMANITIES	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	BUS 110	INTRODUCTION TO BUSINESS	3 CR. HRS.
OR			
<input type="checkbox"/>	MKTG 112	PRINCIPLES OF MARKETING	3 CR. HRS.
<input type="checkbox"/>	COMM 115	INTRODUCTION TO PUBLIC RELATIONS	3 CR. HRS.
<input type="checkbox"/>	COMM 120	INTERPERSONAL COMMUNICATION	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 113	BUSINESS AND PROFESSIONAL SPEAKING	3 CR. HRS.
<input type="checkbox"/>	COMM 155	COMMUNICATION INTERNSHIP I	1-3 CR. HRS.
<input type="checkbox"/>	COMM 204	INTERCULTURAL COMMUNICATION	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 203	SMALL GROUP COMMUNICATION	3 CR. HRS.
<input type="checkbox"/>	COMM 248	SPECIAL TOPICS IN PUBLIC RELATIONS	1-3 CR. HRS.
<input type="checkbox"/>	MCOMM 113	INTRODUCTION TO RADIO, TV, AND EMERGING MEDIA	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ELECTIVE	1 CR. HRS.
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* See specific requirements for Associate in Arts Degree

Recommended Course Sequence:

1st Semester: COMM 110; COMM 120 or COMM 113; ENGL 110; PSY 110; Fine Arts

2nd Semester: COMM 115; COMM 204 or COMM 203; ENGL 111; MATH 111; Physical Science

3rd Semester: MCOMM 113; BUS 110 or MKTG 112; Social Science; Life Science; Fine Arts

4th Semester: COMM 248; HUMAN 125; SSC 111 or POLSC 115; COMM 155; Elective

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

This area of study is designed for people planning to transfer to a four-year college or university for completion of a baccalaureate degree in Computer Science with an Information Systems emphasis. The baccalaureate degree prepares the student for careers in computer programming, systems analysis, and (with experience) management positions in computer information systems.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309) 694-5558

Computer Information Systems - Business Emphasis

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	MATH 122	DISCRETE MATHEMATICS I	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ACCTG 120	FINANCIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	CMPSC 120	BUSINESS COMPUTER SYSTEMS	3 CR. HRS.
<input type="checkbox"/>	CMPSC 115	CS I: ESSENTIALS OF PROGRAMMING	3 CR. HRS.
		OR	
<input type="checkbox"/>	CMPSC 125	CS I: PROGRAMMING IN C++	3 CR. HRS.
<input type="checkbox"/>	CMPSC 135	CS II: PROGRAMMING IN JAVA	3 CR. HRS.
		OR	
<input type="checkbox"/>	CMPSC 212	CS II: ADVANCED PROGRAMMING IN C ++	3 CR. HRS.
<input type="checkbox"/>	MATH 115	COLLEGE ALGEBRA	4 CR. HRS.
<input type="checkbox"/>	MATH 135	CALCULUS FOR BUSINESS AND SOCIAL SCIENCES	4 CR. HRS.
<input type="checkbox"/>		APPROVED ELECTIVE **	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Approved Elective should be selected from CMPSC or CMWEB.

Recommended Course Sequence:

1st Semester: ENGL 110; ECON 110; MATH 115; CMPSC 120; CMPSC 115 or 125

2nd Semester: ENGL 111; ECON 111; MATH 135; CMPSC 135 or 212; COMM 110

3rd Semester: ACCTG 120; Physical Science; Fine Arts; Humanities

4th Semester: MATH 122; Life Science; Humanities/Fine Arts; Social Science;

Approved Elective

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

This area of study is designed for people planning to transfer to a four-year college or university for completion of a baccalaureate degree in Computer Science with Technical Emphasis. The baccalaureate degree prepares the student for careers in computer programming, software design, and (with experience) management positions in software development.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Transfer requirements at four-year colleges vary widely making meeting with an advisor imperative.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309) 694-5558

Computer Information Systems - Technical Emphasis

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	9 CR. HRS.
<input type="checkbox"/>	MATH 122	DISCRETE MATHEMATICS I	3 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CMPSC 115	CS I: ESSENTIALS OF PROGRAMMING OR	3 CR. HRS.
<input type="checkbox"/>	CMPSC 125	CS I: PROGRAMMING IN C++	3 CR. HRS.
<input type="checkbox"/>	CMPSC 135	CS II: PROGRAMMING IN JAVA OR	3 CR. HRS.
<input type="checkbox"/>	CMPSC 212	CS II: ADVANCED PROGRAMMING IN C++	3 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	MATH 224	CALCULUS AND ANALYTIC GEOMETRY III	4 CR. HRS.
<input type="checkbox"/>	PHYS 211	ENGINEERING PHYSICS: MECHANICS	4 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: ENGL 110; MATH 222; CMPSC 115 or 125; CHEM 130

2nd Semester: ENGL 111; MATH 223; CMPSC 135 or 212; PHYS 211

Summer Semester 1: Social Science

3rd Semester: COMM 110; Humanities; Social Science; MATH 224

4th Semester: MATH 122; Humanities/Fine Arts; Life Science; Social Science; Fine Arts

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

This area of study is designed for students intending to prepare for a career in the criminal justice field. The area of study may prepare the student for employment in some areas of the field; however, many of the employment opportunities in the criminal justice field require a four-year degree. Students desiring to transfer should work very closely with their advisors.

Additional Program Info:

This degree program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

Admission to the Program:

Students must complete basic skills placement testing before admission into this program. Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

To Remain in and Graduate from the Program:

Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center
Room 205
(309) 694-5558

**Criminal Justice****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	POLSC 115	AMERICAN NATIONAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 110	AN INTRODUCTION TO SOCIOLOGY	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CRJ 110	INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM	3 CR. HRS.
<input type="checkbox"/>	CRJ 114	INTRODUCTION TO CORRECTIONS	3 CR. HRS.
<input type="checkbox"/>	CRJ 118	JUVENILE DELINQUENCY	3 CR. HRS.
<input type="checkbox"/>	CRJ 130	INTRODUCTION TO INVESTIGATION	3 CR. HRS.
<input type="checkbox"/>	CRJ 225	CRIMINAL LAW	3 CR. HRS.
<input type="checkbox"/>	POLSC 119	STATE AND LOCAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>	SOC 210	INTRODUCTION TO CRIMINOLOGY	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		ELECTIVE **	3 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Suggested electives: CRJ 111, 112, 121, 227, 230, 250.

Recommended Course Sequence:

1st Semester: CRJ 110; CRJ 118; SOC 110; ENGL 110; POLSC 119

2nd Semester: CRJ 114; ENGL 111; PSY 110; Fine Arts; CRJ 130

Summer Semester 1: COMM 110

3rd Semester: POLSC 115; SOC 210; Humanities; Life Science; Elective

4th Semester: CRJ 225; Humanities/Fine Arts; Mathematics; Physical Science

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

The Dance area of study, leading to an Associate in Arts degree, is designed for students planning to transfer to a four-year university to major in Dance after four semesters at Illinois Central College.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113



Dance

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>		COMMUNICATION *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	9 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>	DANCE 115	APPRECIATION OF DANCE	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	DANCE 110	BEGINNING TECHNIQUES OF CLASSICAL BALLET	2 CR. HRS.
<input type="checkbox"/>	DANCE 120	INTERMEDIATE TECHNIQUES OF CLASSICAL BALLET	2 CR. HRS.
<input type="checkbox"/>	DANCE 130	JAZZ DANCE I	1 CR. HRS.
<input type="checkbox"/>	DANCE 140	MODERN DANCE I	1 CR. HRS.
<input type="checkbox"/>	DANCE 160	MUSICAL THEATRE DANCE	1 CR. HRS.
<input type="checkbox"/>	DANCE 210	ADVANCED TECHNIQUES OF CLASSICAL BALLET	2 CR. HRS.
<input type="checkbox"/>	DANCE 211	ADVANCED TECHNIQUES OF CLASSICAL BALLET II	2 CR. HRS.
<input type="checkbox"/>	MUS 136	MUSIC FUNDAMENTALS **	3 CR. HRS.
<input type="checkbox"/>	THTRE 113	INTRODUCTION TO TECHNICAL THEATRE	3 CR. HRS.
<input type="checkbox"/>	THTRE 115	STAGE MAKE-UP	2 CR. HRS.
<input type="checkbox"/>	THTRE 122	ACTING I	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		ELECTIVE ***	1 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Student may enroll in MUS170/180 in lieu of MUS136 depending upon musical skill.

*** As needed to meet the 60 credit hour requirement.

Recommended Course Sequence:

1st Semester: DANCE 110; DANCE 130; DANCE 115; ENGL 110; Communication; Mathematics

2nd Semester: DANCE 120; DANCE 160 or Elective; DANCE 140; ENGL 111; Physical Science; Social Science; Social Science

3rd Semester: DANCE 210; Humanities/Fine Arts; THTRE 113; Social Science; MUS 136; THTRE 122

4th Semester: DANCE 211; DANCE 160 or Elective; THTRE 115; Humanities; Life Science

Associate in Arts

Total Credit Hours 60 to 64



Program Information:

The Dietetics area of study has been planned to allow students to readily transfer into the junior year at a four-year institution. Possible careers in this field allow Dietitians to establish nutritional care plans, help prevent and treat illnesses through the promotion of healthy eating habits, assess and evaluate clients' nutritional needs, and oversee institutional food service systems. They also counsel individuals and groups on nutritional practices, supervise food service personnel and large scale meal planning and preparation in health care facilities, industrial cafeterias, prisons and schools, oversee food purchases, and participate in dietetic research and education.

Additional Program Info:

The student is encouraged to select electives that will provide additional expertise in math, business, economics, marketing and accounting. (Only transferable courses numbered 110 or higher will apply towards the 60 credit hours graduation degree requirements.)

Along with or after completion of the bachelor's degree, students must apply and obtain an internship which may be an additional 6 to 12 months long. These internships are highly competitive and require the student to maintain a good grade point average to make herself/himself more marketable. Once the bachelor's degree and internship is completed the student is then eligible to take the Academy of Nutrition and Dietetics registration examination.

Accreditation:

To become a Registered Dietitian (RD), a four year degree in Dietetics/Nutrition is required. After a Bachelor's degree is acquired students will complete an internship to be eligible to take the Dietetic's registration examination. All programs must meet requirements of the Academy of Nutrition and Dietetics credentialing body.

Admission to the Program:

Students complete academic placement testing before admission into this program. The student enrolling in this curriculum should have academic placement test scores for reading at a college level.

Completion of high school algebra and/or placement test scores into MATH 110 at Illinois Central College are favorable. High school recommendations include 2 to 3 years laboratory science, including biology and chemistry; 3 to 4 years English; 1 year algebra and 1 year geometry with grade averages of "C" or better in each of these high school courses.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Agricultural and Industrial Technologies Department
Dietetics Program
ICC East Peoria Campus
AIT Building, Room 118
Telephone: (309) 694-5496

Dietetics

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.

OR

<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	FCS 120	PRINCIPLES OF NUTRITION	3 CR. HRS.
<input type="checkbox"/>	BIOL 210	MICROBIOLOGY	4 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		APPROVED ELECTIVES **	15 CR. HRS.
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* See specific requirements for Associate in Arts Degree and seek the assistance of an advisor to meet the requirements of the transfer institution.

** Electives should be chosen with the help of an advisor.

Recommended Course Sequence:

1st Semester: ENGL 110; COMM 110 or COMM 212; PSY 110; Mathematics; Physical Science

2nd Semester: ENGL 111; Humanities; Social Science; Life Science, FCS 120

Summer Semester 1: Elective

3rd Semester: BIOL 210; Humanities/Fine Art; Electives

4th Semester: Fine Arts, Social Science, Electives

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The Economics area of study is designed for students transferring to a four-year college or university for completion of a baccalaureate degree. Students should concentrate on building a strong foundation in mathematics, the social sciences, and the humanities.

Additional Program Info:

This degree program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center Room 205
(309) 694-5558

**Economics****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	MATH 135	CALCULUS FOR BUSINESS AND SOCIAL SCIENCES	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ACCTG 120	FINANCIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	ACCTG 121	MANAGERIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	BUS 111	INTERNATIONAL BUSINESS	3 CR. HRS.
<input type="checkbox"/>	BUS 203	BUSINESS STATISTICS	4 CR. HRS.
<input type="checkbox"/>	MATH 111	GENERAL EDUCATION STATISTICS	3 CR. HRS.
		OR	
<input type="checkbox"/>	MATH 211	STATISTICAL ANALYSIS	4 CR. HRS.
<input type="checkbox"/>		COMPUTER COURSE (TRANSFER)	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: ENGL 110; MATH 135; Social Science; Physical Science

2nd Semester: BUS 203; COMM 110; ENGL 111; Fine Arts; Life Science

3rd Semester: ACCTG 120; BUS 111; ECON 110; Computer Course (Transfer); Humanities

4th Semester: ACCTG 121; ECON 111; MATH 111 or MATH 211; Humanities/Fine Arts

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

Requirements for admissions to four-year colleges and universities vary a great deal. However, Illinois Central College has articulated requirements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts Degree. Hence, students who comply with the terms of such articulation agreements may expect to complete baccalaureate requirements within the same period of time as if they had spent their entire academic career on the campus of the institution to which they transfer.

To Remain in and Graduate from the Program:

Students enrolled in the Associate of Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
East Peoria Campus
Room 124A
(309) 694-5113

Education (Early Childhood)**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CHILD 120	GROWTH AND DEVELOPMENT OF THE YOUNG CHILD	3 CR. HRS.
OR			
<input type="checkbox"/>	PSY 202	CHILD AND ADOLESCENT DEVELOPMENT	3 CR. HRS.
<input type="checkbox"/>	CHILD 231	LITERATURE FOR CHILDREN	3 CR. HRS.
<input type="checkbox"/>	CHILD 232	LANGUAGE AND LITERACY DEVELOPMENT IN EARLY CHILDHOOD	3 CR. HRS.
<input type="checkbox"/>	CHILD 235	TEACHING DIVERSE POPULATIONS	3 CR. HRS.
<input type="checkbox"/>	EDUC 111	INTRODUCTION TO AMERICAN EDUCATION	3 CR. HRS.
<input type="checkbox"/>	EDUC 212	FIELD EXPERIENCE IN EDUCATION	2 CR. HRS.
<input type="checkbox"/>	EDUC 213	DIVERSE LEARNERS IN THE CLASSROOM	3 CR. HRS.
<input type="checkbox"/>	PSY 200	EDUCATIONAL PSYCHOLOGY	3 CR. HRS.

* See specific requirements for Associate in Arts Degree

Recommended Course Sequence:

1st Semester: PSY 110; ENGL 110; Life Science; EDUC 111; Humanities/Fine Arts

2nd Semester: PSY 202 or CHILD 120; Humanities; EDUC 212; Physical Science; ENGL 111

3rd Semester: COMM 110; Fine Arts; EDUC 213; CHILD 232; Social Science

4th Semester: PSY 200; Social Science; Mathematics; CHILD 231; CHILD 235

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

Requirements for admissions to four-year colleges and universities vary a great deal. However, Illinois Central College has articulated requirements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts Degree. Hence, students who comply with the terms of such articulation agreements may expect to complete baccalaureate requirements within the same period of time as if they had spent their entire academic career on the campus of the institution to which they transfer.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113



Education (Elementary)

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	HIST 201	AMERICAN HISTORY TO 1877	3 CR. HRS.
		OR	
<input type="checkbox"/>	HIST 202	AMERICAN HISTORY SINCE 1877	3 CR. HRS.
<input type="checkbox"/>	POLSC 115	AMERICAN NATIONAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	MATH 115	COLLEGE ALGEBRA **	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE (BIOL) *	4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>	ART 110	ART APPRECIATION	3 CR. HRS.
<input type="checkbox"/>	INTST 132	LATIN AMERICAN HUMANITIES	3 CR. HRS.
		OR	
<input type="checkbox"/>	INTST 133	CULTURES AND CIVILIZATIONS OF SUB-SAHARAN AFRICA	3 CR. HRS.
<input type="checkbox"/>	MUS 148	INTRODUCTION TO AMERICAN MUSIC	3 CR. HRS.
		OR	
<input type="checkbox"/>	MUS 150	MUSIC APPRECIATION	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	EDUC 111	INTRODUCTION TO AMERICAN EDUCATION	3 CR. HRS.
<input type="checkbox"/>	EDUC 212	FIELD EXPERIENCE IN EDUCATION	2 CR. HRS.
<input type="checkbox"/>	EDUC 213	DIVERSE LEARNERS IN THE CLASSROOM	3 CR. HRS.
<input type="checkbox"/>	PSY 200	EDUCATIONAL PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	PSY 202	CHILD AND ADOLESCENT DEVELOPMENT	3 CR. HRS.
<input type="checkbox"/>	MATH 190	MATHEMATICAL REASONING FOR THE ELEMENTARY TEACHER I	3 CR. HRS.
		OR	
<input type="checkbox"/>	MATH 200	MATHEMATICS FOR ELEMENTARY TEACHERS I	4 CR. HRS.
<input type="checkbox"/>	MATH 201	MATHEMATICS FOR ELEMENTARY TEACHERS II	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	CHILD 231	LITERATURE FOR CHILDREN	3 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Students transferring to Illinois State University need to complete MATH 190 instead of MATH 200.

Recommended Course Sequence:

1st Semester: ENGL 110; PSY 110; EDUC 111; Life Science (BIOL); ART 110

2nd Semester: ENGL 111; PSY 202; INTST 132 or INTST 133; EDUC 212; MATH 115

3rd Semester: COMM 110; HIST 201 or HIST 202; MATH 190 or MATH 200; EDUC 213; CHILD 231

4th Semester: MUS 148 or MUS 150; POLSC 115; MATH 201; Physical Science; PSY 200

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

Requirements for admission to four-year colleges and universities vary a great deal. However, Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts Degree. Hence, students who comply with the terms of such articulation agreements may expect to complete baccalaureate requirements within the same period of time as if they had spent their entire academic career on the campus of the institution to which they transfer.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

**Education (Secondary)****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	HIST 201	AMERICAN HISTORY TO 1877	3 CR. HRS.
OR			
<input type="checkbox"/>	HIST 202	AMERICAN HISTORY SINCE 1877	3 CR. HRS.
<input type="checkbox"/>	POLSC 115	AMERICAN NATIONAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		MATHEMATICS (Group I)	3 CR. HRS.
<input type="checkbox"/>	INTST 132	LATIN AMERICAN HUMANITIES	3 CR. HRS.
OR			
<input type="checkbox"/>	INTST 133	CULTURES AND CIVILIZATIONS OF SUB-SAHARAN AFRICA	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	EDUC 111	INTRODUCTION TO AMERICAN EDUCATION	3 CR. HRS.
<input type="checkbox"/>	EDUC 212	FIELD EXPERIENCE IN EDUCATION	2 CR. HRS.
<input type="checkbox"/>	EDUC 213	DIVERSE LEARNERS IN THE CLASSROOM	3 CR. HRS.
<input type="checkbox"/>	PSY 200	EDUCATIONAL PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	PSY 202	CHILD AND ADOLESCENT DEVELOPMENT	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS **	3-4 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ELECTIVES	3-5 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Second math course can come from either Group 1 or Group 2

Recommended Course Sequence:

1st Semester: ENGL 110; PSY 110; EDUC 111; POLSC 115; Fine Arts

2nd Semester: ENGL 111; INTST 132 or INTST 133; EDUC 212; Life Science; PSY 202

3rd Semester: COMM 110; HIST 201 or HIST 202; Humanities/Fine Arts; Mathematics; Physical Science

4th Semester: EDUC 213; PSY 200; Mathematics; Electives

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

Requirements for admission to four-year colleges and universities vary a great deal. Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts Degree.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

**Education (Special)****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	HIST 201	AMERICAN HISTORY TO 1877	3 CR. HRS.
OR			
<input type="checkbox"/>	HIST 202	AMERICAN HISTORY SINCE 1877	3 CR. HRS.
<input type="checkbox"/>	POLSC 115	AMERICAN NATIONAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>	BIOL 110	LIFE SCIENCE	4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		MATHEMATICS (Group I) *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	EDUC 111	INTRODUCTION TO AMERICAN EDUCATION	3 CR. HRS.
<input type="checkbox"/>	EDUC 212	FIELD EXPERIENCE IN EDUCATION	2 CR. HRS.
<input type="checkbox"/>	EDUC 213	DIVERSE LEARNERS IN THE CLASSROOM	3 CR. HRS.
<input type="checkbox"/>	PSY 200	EDUCATIONAL PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	PSY 202	CHILD AND ADOLESCENT DEVELOPMENT	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS **	3-5 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ELECTIVES	3-5 CR. HRS.
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* Course selection depends on discipline and transfer institution.

** Second math course can come from either Group 1 or Group 2

Recommended Course Sequence:

1st Semester: ENGL 110; PSY 110; EDUC 111; POLSC 115; Fine Arts

2nd Semester: ENGL 111; PSY 202; EDUC 212; BIOL 110; HIST 201 or HIST 201

3rd Semester: COMM 110; Mathematics; Physical Science; EDUC 213; Humanities

4th Semester: PSY 200; Mathematics; Fine Arts or Humanities; Electives

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

The English area of study is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. Students build a strong background in the humanities, writing and literature. The English course of study is designed for students who have as educational goals: (1) teaching elementary or secondary language arts; (2) business writing, advertising, publishing, or editorial work; (3) pre-professional majors, especially law; (4) undecided college transfer plans; or (5) self-improvement in the areas of reading and writing.

Admission to the Program:

English majors should complete four years of high school English.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Humanities Department
Room 315B
(309) 694-5342



English

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		INTERMEDIATE FOREIGN LANGUAGE II **	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>		ELEMENTARY FOREIGN LANGUAGE I	4 CR. HRS.
<input type="checkbox"/>		ELEMENTARY FOREIGN LANGUAGE II	4 CR. HRS.
<input type="checkbox"/>		INTERMEDIATE FOREIGN LANGUAGE I	4 CR. HRS.
<input type="checkbox"/>		LITERATURE ***	3 CR. HRS.
<input type="checkbox"/>		LITERATURE ***	3 CR. HRS.
<input type="checkbox"/>	LIT 110	INTRODUCTION TO LITERATURE	3 CR. HRS.
		OR	
<input type="checkbox"/>	LIT 111	THE SHORT STORY AND THE NOVEL	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		ELECTIVE	1 CR. HRS.
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* See specific requirements for Associate in Arts degree.

** Serves as a Humanities course requirement.

*** Must be a 200-level Literature course.

Recommended Course Sequence:

1st Semester: ENGL 110; Foreign Language I; PSY 110; Mathematics; Humanities; Life Science

2nd Semester: ENGL 111; Foreign Language II; Physical Science; LIT 110 or LIT 111

3rd Semester: Intermediate Foreign Language I; Social Science; COMM 110; Literature; Science

4th Semester: Intermediate Foreign Language II; Social Science; Literature, Fine Arts

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

The Family and Consumer Sciences area of study has been planned to allow students to readily transfer into the junior year at a four-year institution. Possible careers in the field include education, foods and nutrition, consumerism, fashion design, and fashion merchandising. The suggested course outline is designed to satisfy the freshman and sophomore courses at most four-year universities. Students are encouraged to review the specific requirements of the program at the desired transfer institution.

Additional Program Info:

The student is encouraged to select electives that will provide additional expertise in business, accounting, management, psychology, and sociology.

This degree program is also offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888 or icc.edu/VirtualCampus.

Admission to the Program:

Students must complete the academic placement testing before admission into this program.

The student enrolling in this curriculum should have academic placement test scores for reading at a college level.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Agricultural and Industrial Technologies Department
Family and Consumer Sciences Program
East Peoria Campus, AIT Building, Room 118
Telephone: (309) 694-5496



Family and Consumer Sciences

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
		OR	
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 110	AN INTRODUCTION TO SOCIOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	SOC 120	MARRIAGE AND THE FAMILY	3 CR. HRS.
<input type="checkbox"/>	BUS 110	INTRODUCTION TO BUSINESS	3 CR. HRS.
<input type="checkbox"/>	FCS 120	PRINCIPLES OF NUTRITION	3 CR. HRS.
<input type="checkbox"/>	PSY 202	CHILD AND ADOLESCENT DEVELOPMENT	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		APPROVED ELECTIVES **	12 CR. HRS.
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* See specific requirements for Associate in Arts Degree and seek the assistance of an advisor to meet the requirements of the transfer institution.

** Electives should be chosen with the help of an advisor.

Recommended Course Sequence:

1st Semester: ENGL 110, COMM 110 or COMM 212, PSY 110, Mathematics, Humanities

2nd Semester: ENGL 111, SOC 110, Life Science, Fine Arts

Summer Semester 1: Social Science, Electives

3rd Semester: Physical Science, BUS 110, PSY 202, Electives

4th Semester: Humanities/Fine Arts, SOC 120; FCS 120, Electives

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

Foreign language students may study Arabic, Chinese, French, German, Italian, and Spanish. Each area offers coursework that must be taken in sequence. Completion of the Foreign Language area of study will enable students to go to a four-year institution and continue their major language during junior and senior years.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Humanities Department
Room 314C
(309) 694-5342



Foreign Language

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	9 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>		INTERMEDIATE FOREIGN LANGUAGE II *	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ELEMENTARY FOREIGN LANGUAGE I	4 CR. HRS.
<input type="checkbox"/>	ELEMENTARY FOREIGN LANGUAGE II	4 CR. HRS.
<input type="checkbox"/>	INTERMEDIATE FOREIGN LANGUAGE I	4 CR. HRS.
<input type="checkbox"/>	ELECTIVES **	9 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Electives vary significantly depending on Transfer Institution and desired major.

Work with your advisor to develop a plan of study to meet your academic and professional goals. Recommended electives may include: BUS 111 (for students interested in International Business); any INTST course; Humanities 124, 125; GEOG 112, 113, 116, or 118.

Recommended Course Sequence:

1st Semester: Elementary Foreign Language I; ENGL 110; Social Science; Life Science

2nd Semester: Elementary Foreign Language II; ENGL 111; Social Science; Physical Science; Fine Arts

3rd Semester: Intermediate Foreign Language I; COMM 110; Humanities/Fine Arts; Mathematics; Elective

4th Semester: Intermediate Foreign Language II; Social Science; Elective; Elective

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

The Graphic Design area of study prepares students interested in the concept, design, technologies, and practical aspects of visual communications creation and production. Industry professionals pursue graphic design careers in the related fields of advertising, communication, marketing, education, multimedia, and publishing. Completion of the Graphic Design area of study prepares the student planning to transfer to a baccalaureate degree program. Students intending to transfer to related programs are strongly advised to develop and maintain a creative portfolio, which partly determines acceptance and placement at most senior colleges and universities.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113



Graphic Design

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>		COMMUNICATION *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE **	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>	ART 150	ART HISTORY I	3 CR. HRS.
<input type="checkbox"/>	ART 151	ART HISTORY II	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES **	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	GRDSN 140	GRAPHIC DESIGN 1: FOUNDATIONS	3 CR. HRS.
<input type="checkbox"/>	GRDSN 142	GRAPHIC DESIGN 2: TYPOGRAPHY	3 CR. HRS.
<input type="checkbox"/>	GRDSN 150	GRAPHIC DESIGN 3: METHODS AND PROCESS	3 CR. HRS.
<input type="checkbox"/>	GRDSN 240	GRAPHIC DESIGN 4: ADVANCED DESIGN PROBLEMS	3 CR. HRS.
<input type="checkbox"/>	ART 111	2D DESIGN	3 CR. HRS.
<input type="checkbox"/>	ART 112	3D DESIGN	3 CR. HRS.
<input type="checkbox"/>	ART 120	DRAWING I	3 CR. HRS.
<input type="checkbox"/>	ART 121	FIGURE DRAWING I	3 CR. HRS.
<input type="checkbox"/>	MM 140	MULTIMEDIA PRODUCTION I	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** A three credit hour Global Perspectives (GP) course is required to graduate at most major universities. These courses are available at ICC within the social sciences and humanities electives. Please see your advisor to determine which GP course is applicable to the institution you wish to transfer to.

Recommended Course Sequence:

1st Semester: GRDSN 140; MM 140; ART 111; Communication; ENGL 110

2nd Semester: GRDSN 142; ART 120; ENGL 111; Physical Science; Social Science

Summer Semester 1: Social Science

3rd Semester: GRDSN 150; ART 112; ART 150; Humanities; Social Science

4th Semester: GRDSN 240; ART 121; ART 151; Mathematics; Life Science

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

The baccalaureate degree in history is designed to prepare students for a broad range of career opportunities. In addition to teaching, a history major is a preferred background for many careers: Law (a history B.A. is a preference of many law schools); federal, state and local government positions -- especially the Foreign Service, the National Park Service, and military careers; museum direction, library and archival work; the business fields of public relations and advertising; journalism and other media; and public policy and planning agencies. These fields are open to history graduates because their degree indicates to future employers they possess writing and research skills and a basic understanding of the world and its people.

Admission to the Program:

Two years of a foreign language may be required for an undergraduate degree in history and for entry into most law schools. Students should check with the school to which they intend to transfer.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Humanities Department
Room 314C
(309) 694-5342



History

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	GEOG 113	WORLD REGIONAL GEOGRAPHY	3 CR. HRS.
<input type="checkbox"/>		POLITICAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>	PHIL 110	INTRODUCTION TO PHILOSOPHY	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES ***	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	HISTORY **	12 CR. HRS.
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ELECTIVE COURSES:

<input type="checkbox"/>	ELECTIVES ****	11 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** HIST 117, 118, 201 and 202 are Social Science courses in the General Education core for the Associate in Arts Degree. (HIST 110, 125, 203, 204, 219 and 250 are History Electives that transfer but do not satisfy requirements in the General Education core.)

*** HIST 111 or 112 fulfills part of the Humanities/Fine Arts requirement for the Associate in Arts Degree.

**** Suggested Electives: ECON 111; GEOG 112, 114; LIT 110; INTST 130-134; PHIL 211; POLSC 115, 119, 122, 124; PSY 110; SOC 110, 114.

Recommended Course Sequence:

1st Semester: ENGL 110; GEOG 113; Physical Science; History; Humanities

2nd Semester: ENGL 111; PHIL 110; Life Science; Mathematics; History

3rd Semester: COMM 110; ECON 110; History; Electives

4th Semester: Political Science; Fine Arts; History; Electives

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

Completion of the Interior Design area of study prepares students for residential and business design positions in the retail field. Study in this area affords opportunities in the commercial area of furniture, drapery, carpeting, home accessories, wallpaper, and paint stores.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Four year programs that include Interior Design vary from institution to institution. Students must work closely with their advisor to satisfy any specific computer science requirements that are a part of the receiving institution's general education component.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

**Interior Design****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 110	AN INTRODUCTION TO SOCIOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>	ART 151	ART HISTORY II	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ART 111	2D DESIGN	3 CR. HRS.
<input type="checkbox"/>	ART 120	DRAWING I	3 CR. HRS.
<input type="checkbox"/>	BUS 110	INTRODUCTION TO BUSINESS	3 CR. HRS.
<input type="checkbox"/>	INDSN 140	BASIC INTERIOR DESIGN	4 CR. HRS.
<input type="checkbox"/>	INDSN 141	HISTORY OF FURNITURE AND FURNISHINGS	4 CR. HRS.
<input type="checkbox"/>	MKTG 112	PRINCIPLES OF MARKETING	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ART ELECTIVE	3 CR. HRS.
	OR	
<input type="checkbox"/>	ARCHITECTURE ELECTIVE	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: INDSN 140; ART 111; ENGL 110; BUS 110; ART 120

2nd Semester: INDSN 141; ART 151; ENGL 111; PSY 110; Life Science

3rd Semester: MKTG 112; COMM 110; Physical Science; Art Elective or Architecture Elective

4th Semester: SOC 110; Social Science; Mathematics; Humanities; Fine Arts

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The International Business area of study is designed to provide the initial requisite background in business, integrating foreign language as a complementary cross-cultural skill. After completing the Associate of Science degree at Illinois Central College, the student may complete a bachelor's degree in International Business or related area at a senior institution, with the goal of employment with a multinational corporation and possible foreign assignment. Students enrolled in this sequence could be considering jobs in marketing, management, public relations, banking, foreign service, exporting and importing, and other related work.

Additional Program Info:

This degree program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

Admission to the Program:

Students are advised to check on foreign language requirements at senior institutions. Many institutions require students to have completed the 200-level of a foreign language.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Business, Legal and Information Systems Department
Technology Center
Room 205
(309) 694-5558

International Business**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	MATH 135	CALCULUS FOR BUSINESS AND SOCIAL SCIENCES	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3-4 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3-4 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ACCTG 120	FINANCIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	ACCTG 121	MANAGERIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	BUS 111	INTERNATIONAL BUSINESS	3 CR. HRS.
<input type="checkbox"/>	BUS 203	BUSINESS STATISTICS	4 CR. HRS.
<input type="checkbox"/>	BUS 215	LEGAL ENVIRONMENT OF BUSINESS	3 CR. HRS.
<input type="checkbox"/>	CMPSC 120	BUSINESS COMPUTER SYSTEMS	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: ENGL 110; BUS 111; COMM 110; Fine Arts; Life Science

2nd Semester: CMPSC 120; ENGL 111; MATH 135; Humanities

3rd Semester: ACCTG 120; ECON 110; BUS 215; Social Science; Humanities/Fine Arts

4th Semester: ACCTG 121; ECON 111; BUS 203; Physical Science

Associate in Arts

Total Credit Hours 60 to 64



Program Information:

The International Studies area of study at Illinois Central College is for students who plan to transfer to a four-year college or university for completion of a baccalaureate degree. Within this curriculum, students take courses in the social sciences and humanities to gain a more global perspective, as well as an understanding of other cultures. The student is required to take a foreign language to deepen his/her understanding of another culture. Study abroad is encouraged with this program. This degree will serve as a basis for various careers in the field of international relations, foreign or public service, or careers in international institutions. This degree indicates to future employers that the student has a basic understanding of the world and its peoples.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Humanities Department
Room 314C
(309) 694-5342

International Studies

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	HIST 117	EARLY WESTERN CIVILIZATION	3 CR. HRS.
OR			
<input type="checkbox"/>	HIST 118	MODERN WESTERN CIVILIZATION	3 CR. HRS.
<input type="checkbox"/>	POLSC 122	INTRODUCTION TO INTERNATIONAL RELATIONS	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>	PHIL 112	COMPARATIVE RELIGIONS	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		INTERMEDIATE FOREIGN LANGUAGE II **	4 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>		INTERMEDIATE FOREIGN LANGUAGE I **	4 CR. HRS.
<input type="checkbox"/>	GEOG 116	GEOGRAPHY OF THE DEVELOPING WORLD	3 CR. HRS.
<input type="checkbox"/>	HIST 111	EARLY WORLD CIVILIZATIONS	4 CR. HRS.
OR			
<input type="checkbox"/>	HIST 112	MODERN WORLD CIVILIZATIONS	4 CR. HRS.
<input type="checkbox"/>	INTST 130	THE SOCIETY AND CULTURE OF CHINA	3 CR. HRS.
OR			
<input type="checkbox"/>	INTST 134	INTRODUCTION TO MIDDLE EASTERN CULTURES	3 CR. HRS.
<input type="checkbox"/>	INTST 132	LATIN AMERICAN HUMANITIES	3 CR. HRS.
OR			
<input type="checkbox"/>	INTST 133	CULTURES AND CIVILIZATIONS OF SUB-SAHARAN AFRICA	3 CR. HRS.
<input type="checkbox"/>	POLSC 124	COMPARATIVE POLITICAL SYSTEMS	3 CR. HRS.
ELECTIVE COURSES:			
<input type="checkbox"/>		ELECTIVE ***	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Foreign languages offered are: French, German, Spanish, and Arabic.
It is assumed students have tested out of levels 110 and 111.

*** Recommended electives: ART 110, 150, 151; FILM 110; HUMAN 128; MUS 149, 150

Recommended Course Sequence:

1st Semester: ENGL 110; HIST 117 or HIST 118; POLSC 124; Intermediate Foreign Language I

2nd Semester: ENGL 111; COMM 110; Mathematics; Intermediate Foreign Language II; INTST 132 or INTST 133

3rd Semester: PHIL 112; POLSC 122; ECON 110; Life Science; INTST 130 or INTST 134

4th Semester: GEOG 116; HIST 111 or HIST 112; Physical Science; Fine Arts; Elective

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

This area of study emphasizes the development of professional-level writing and reporting skills and provides students with a broadly-based program of liberal arts courses necessary for a career in journalism, radio-television news, public relations, and business reporting. This suggested area of study is designed for students planning to transfer to a senior college or university. Because requirements at four-year institutions vary, students planning to transfer should seek information about the particular program they plan to enter.

Additional Program Info:

Typing skills are a necessity in the field of Journalism. It is recommended that students with insufficient typing skills take TYPE 120 in addition to program courses.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Humanities Department
Room 314C
(309) 694-5342



Journalism

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	GEOG 113	WORLD REGIONAL GEOGRAPHY	3 CR. HRS.
<input type="checkbox"/>	POLSC 115	AMERICAN NATIONAL GOVERNMENT	3 CR. HRS.
OR			
<input type="checkbox"/>	POLSC 119	STATE AND LOCAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	9 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	JOURN 122	BEGINNING REPORTING	3 CR. HRS.
<input type="checkbox"/>	JOURN 123	BASIC NEWS EDITING	3 CR. HRS.
<input type="checkbox"/>	MCOMM 110	INTRODUCTION TO MASS MEDIA	3 CR. HRS.
<input type="checkbox"/>	MM 140	MULTIMEDIA PRODUCTION I	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ELECTIVES **	11-14 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Recommended electives: BUS 125; COMM 115; ECON 110; ENGL 113; ENGL 117; ENGL 210; GRDSN 130; MCOMM 113, 140, 214, 215, 230. Work with your advisor to develop a plan of study to meet your academic and professional goals.

Recommended Course Sequence:

1st Semester: ENGL 110; COMM 110; Mathematics; JOURN 122; Social Science

2nd Semester: ENGL 111; JOURN 123; MCOMM 110; POLSC 115 or POLSC 119; Elective

3rd Semester: Fine Arts; Life Science or Physical Science; Humanities; MM 140; Elective

4th Semester: GEOG 113; Humanities/Fine Arts; Life Science or Physical Science; Elective; Elective

Associate in Arts

Total Credit Hours 60 to 64



Program Information:

The Liberal Arts area of study is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. This course sequence intends to provide a strong, general foundation in the humanities. It provides breadth in a variety of disciplines rather than aiming at depth in any one. This area of study is especially appropriate for students who have as their educational goals: (1) transferring to a liberal arts college, (2) undecided plans for a major in transferring to any senior college or university, (3) a desire to understand more thoroughly the underlying principles of individual and social behavior in the environment.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

This degree program is also offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888 or icc.edu/VirtualCampus.

Contact Information:

Humanities Department
Room 314C
(309) 694-5342

Liberal Arts

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>		COMMUNICATION *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	9 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	9 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		FOREIGN LANGUAGE	8 CR. HRS.
<input type="checkbox"/>		ELECTIVES	9-10 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: ENGL 110; Foreign Language; Mathematics; Social Science

2nd Semester: ENGL 111; Foreign Language; Humanities/Fine Arts; Life Science

3rd Semester: Communications; Humanities/Fine Arts; Physical Science; Elective

4th Semester: Humanities/Fine Arts; Social Science; Social Science; Elective; Elective

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

The Mass Communication area of study is designed for students seeking careers in creating, managing, or distributing media content to audiences via multiple channels and devices, whether they be traditional forms, such as radio, television, or film, or newer media, such as streaming, mobile, or social media.

Additional Program Info:

Students completing the program will receive an Associate in Arts degree, which prepares them for transfer to a four-year university.

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113



Mass Communication

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	MATH 111	GENERAL EDUCATION STATISTICS	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>	FILM 110	SURVEY OF FILM	3 CR. HRS.
<input type="checkbox"/>	HUMAN 125	CONTEMPORARY HUMANITIES	3 CR. HRS.
<input type="checkbox"/>	MCOMM 224	HISTORY OF MOTION PICTURES	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	MCOMM 110	INTRODUCTION TO MASS MEDIA	3 CR. HRS.
<input type="checkbox"/>	MCOMM 113	INTRODUCTION TO RADIO, TV, AND EMERGING MEDIA	3 CR. HRS.
<input type="checkbox"/>	MCOMM 214	TV AND MOTION PICTURE PRODUCTION	3 CR. HRS.
<input type="checkbox"/>	MCOMM 217	AUDIO PRODUCTION	3 CR. HRS.
<input type="checkbox"/>	MCOMM 220	SCRIPTWRITING	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		APPROVED ELECTIVES **	8-9 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Approved electives: COMM 115; FILM 111; JOURN 122; JOURN 142; MCOMM 140; MCOMM 160; MCOMM 215; MCOMM 230; MCOMM 260; MKTG 112; MM 142; MM 140

Recommended Course Sequence:

1st Semester: ENGL 110; COMM 110; MATH 111; MCOMM 110; MCOMM 224

2nd Semester: ENGL 111; FILM 110; MCOMM 113; MCOMM 217; Physical Science

3rd Semester: Life Science; MCOMM 214; MCOMM 220; Approved Elective;

Social Science

4th Semester: Social Science; Social Science; HUMAN 125; Approved Elective;

Approved Elective

Associate in Arts

Total Credit Hours 60 to 64



Program Information:

A student planning to prepare for a career in computer science, mathematics teaching at the high school level or as a research technician will essentially earn a major in mathematics. Many mathematics majors choose to take considerable work (possibly even a second major) in an applied field such as chemistry, physics, economics, accounting, computer programming, etc. By studying in an applied area along with mathematics, students strengthen their employability, especially in industry or at a research facility. Many courses of study at Illinois Central College leading to four-year degrees require considerable mathematics. For example, the suggested courses of study for engineering, physics, and chemistry all include a minimum of three semesters of calculus. For students in accounting and business administration, a one-year sequence of mathematics is required.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

Mathematics

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE	9 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE	7 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3-4 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CMPSC 125	CS I: PROGRAMMING IN C++	3 CR. HRS.
OR			
<input type="checkbox"/>	ENGR 230	PROGRAMMING ENGINEERING APPLICATIONS	3 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	MATH 224	CALCULUS AND ANALYTIC GEOMETRY III	4 CR. HRS.
<input type="checkbox"/>	MATH 230	LINEAR ALGEBRA	3 CR. HRS.
<input type="checkbox"/>	MATH 250	DIFFERENTIAL EQUATIONS	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		ELECTIVE	3-4 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: MATH 222; ENGL 110; Life Science; Social Science

2nd Semester: MATH 223; ENGR 230 or CMPSC 125; ENGL 111; Fine Arts; Physical Science

3rd Semester: MATH 224; COMM 110; Social Science; Humanities; Electives

4th Semester: MATH 250; MATH 230; Social Science; Humanities/Fine Arts; Electives

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The Multimedia area of study prepares students interested in the concept, design, technologies, and practical aspects of multimedia creation, production, and delivery. Industry professionals pursue multimedia careers in the related fields of Advertising, Communication, Education, Graphic Design, Information Technologies, Marketing, and Publishing.

Additional Program Info:

Completion of the Multimedia area of study prepares the student planning transfer to a baccalaureate degree program. Students intending transfer to related programs are strongly advised to develop and maintain a creative portfolio, which partly determines acceptance and placement at most senior colleges and universities.

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

**Multimedia****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE **	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>	ART 151	ART HISTORY II	3 CR. HRS.
<input type="checkbox"/>	MCOMM 224	HISTORY OF MOTION PICTURES	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES **	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	MM 140	MULTIMEDIA PRODUCTION I	3 CR. HRS.
<input type="checkbox"/>	MM 142	DIGITAL PHOTOGRAPHY	3 CR. HRS.
<input type="checkbox"/>	MM 150	MULTIMEDIA THEORY	3 CR. HRS.
<input type="checkbox"/>	MM 230	DIGITAL VIDEO PRODUCTION	3 CR. HRS.
<input type="checkbox"/>	MM 241	MULTIMEDIA AUTHORING	5 CR. HRS.
<input type="checkbox"/>	MCOMM 217	AUDIO PRODUCTION	3 CR. HRS.
<input type="checkbox"/>	GRDSN 140	GRAPHIC DESIGN 1: FOUNDATIONS	3 CR. HRS.

* See specific requirements for Associate in Arts

** A three credit hour Global Perspectives (GP) course is required to graduate at most major universities. These courses are available at ICC within the social sciences and humanities electives. Please see your advisor to determine which GP course is applicable to the institution you wish to transfer to.

Recommended Course Sequence:

1st Semester: MM 140; GRDSN 140; ENGL 110; COMM 110

2nd Semester: MM 150; MCOMM 217; ENGL 111; Mathematics; Physical Science

3rd Semester: MM 142; MM 230; Life Science; Social Science; ART 151

4th Semester: MM 241; MCOMM 224; Humanities; Social Science; Social Science

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

A student must successfully complete the following coursework to transfer to a four-year university as a junior in music: (1) four semesters of music theory; (2) four semesters of applied music (private instruction); (3) one semester of class piano; (4) four semesters participation in one or more college performance groups. There are six performance organizations in which all students at ICC are invited to participate, whether music majors or not; Concert Band, Concert Choir, Chamber Singers, Jazz Band, Philharmonic Chorale, and Vocal Jazz Ensemble. Music students are required to participate in a performance organization each semester they are registered for music theory or applied music. Performance organizations present public concerts at ICC, high schools, and for special groups throughout the college district.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic adviser to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

To maximize musical skill development, each level of Theory, Musicianship, and Class Piano should be taken concurrently (i.e.: MUS 110, 170, 180; MUS 111, 171, 181; MUS 210, 270, 280). If the student's primary performance medium is piano, the Applied Piano numbers may be substituted (i.e. MUS 117, 170, 180; MUS 118, 171, 181; MUS 217, 270, 280).

Accreditation:

Illinois Central College is an accredited institutional member of the National Association of Schools of Music (NASM).

Admission to the Program:

A score of 70% or better on music theory placement exam or successful completion of MUS 136 and diagnostic audition in primary performance area.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113



Music

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>	MUS 148	INTRODUCTION TO AMERICAN MUSIC	3 CR. HRS.
<input type="checkbox"/>	MUS 149	INTRODUCTION TO MUSIC LITERATURE	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>		APPLIED MUSIC **	4 CR. HRS.
<input type="checkbox"/>		ONE PERFORMANCE ORGANIZATION ***	4 CR. HRS.
<input type="checkbox"/>	MUS 110	CLASS PIANO I ****	2 CR. HRS.
<input type="checkbox"/>	MUS 170	THEORY I	3 CR. HRS.
<input type="checkbox"/>	MUS 171	THEORY II	3 CR. HRS.
<input type="checkbox"/>	MUS 180	MUSICIANSHIP I	1 CR. HRS.
<input type="checkbox"/>	MUS 181	MUSICIANSHIP II	1 CR. HRS.
<input type="checkbox"/>	MUS 270	THEORY III	3 CR. HRS.
<input type="checkbox"/>	MUS 271	THEORY IV	3 CR. HRS.
<input type="checkbox"/>	MUS 280	MUSICIANSHIP III	1 CR. HRS.
<input type="checkbox"/>	MUS 281	MUSICIANSHIP IV	1 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Students should enroll in applied music each semester. If a student enrolls for more than four semesters, the last number of the sequence may be repeated.

*** For each semester of enrollment in applied music, she/he must also enroll in a performing organization. Students should complete 2 semesters at the 100 level of each performing organization before progressing to the 200 level.

**** If a student's primary instrument is piano; MUS 110 is not required.

Recommended Course Sequence:

Previous Semester (for pre-program courses): MUS 136

1st Semester: Applied Music; Performing Organization; MUS 110; MUS 170; MUS 180; ENGL 110; Mathematics; MUS 148

2nd Semester: Applied Music; Performing Organization; MUS 171; MUS 181; ENGL 111; Life Science; PSY 110

3rd Semester: Applied Music; Performing Organization; MUS 270; MUS 280; MUS 149; COMM 110; Social Science

4th Semester: Applied Music; Performing Organization; MUS 271; MUS 281; Physical Science; Humanities; Social Science

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The Music Business area of study is an opportunity for music students to engage in courses from areas of marketing, multimedia, communications, and music business. This area of study will provide coursework needed for a successful transfer to a 4-year Bachelor of Music Business degree. Music business students must successfully complete the following coursework before transferring to a 4-year institution as a junior in music business: two semesters of music theory, four semesters of applied music, two semesters of class piano, four semesters participation in one or more college performance groups.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic adviser to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

To maximize musical skill development, each level of Theory, Musicianship, and Piano should be taken concurrently (ie.: MUS 110, MUS 170, MUS 180; MUS 111, MUS 171, MUS 181). If the student's primary instrument is piano, the Applied Piano numbers may be substituted.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

**Music Business****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>	MUS 148	INTRODUCTION TO AMERICAN MUSIC	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS*	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>		APPLIED MUSIC **	4 CR. HRS.
<input type="checkbox"/>		ONE PERFORMANCE ORGANIZATION ***	4 CR. HRS.
<input type="checkbox"/>	MUS 110	CLASS PIANO I ****	2 CR. HRS.
<input type="checkbox"/>	MUS 170	THEORY I	3 CR. HRS.
<input type="checkbox"/>	MUS 180	MUSICIANSHIP I	1 CR. HRS.
<input type="checkbox"/>	MUS 171	THEORY II	3 CR. HRS.
<input type="checkbox"/>	MUS 181	MUSICIANSHIP II	1 CR. HRS.
<input type="checkbox"/>	MUS 120	INTRODUCTION TO MUSIC BUSINESS	3 CR. HRS.
<input type="checkbox"/>	ACCTG 120	FINANCIAL ACCOUNTING	4 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Students should enroll in applied music each semester. If a student enrolls for more than four semesters, the last number of the sequence may be repeated.

*** For each semester of enrollment in applied music, a student must also enroll in a performance organization.

**** If a student's applied instrument is piano; MUS 110 is not required.

Recommended Course Sequence:

Previous Semester (for pre-program courses): MUS 136 (if needed)

1st Semester: Applied Music; Performing Organization; MUS 110; MUS 170; MUS 180; ENGL 110; Mathematics; MUS 148

2nd Semester: Applied Music; Performing Organization; MUS 171; MUS 181; ENGL 111; MUS 120; Humanities

3rd Semester: Applied Music; Performing Organization; COMM 110; Life Science; ACCTG 120; Social Science

4th Semester: Applied Music; Performing Organization; Physical Science; Humanities/Fine Arts; ECON 111; Social Science

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The music industry area of study is a unique opportunity for students to engage in courses from areas of marketing, multimedia, communications, and music business. Unlike other music business areas of study, this area of study is available to students without prior music training who would like to work in the entertainment industry, but not as a musician. This program will prepare students for transfer to a Bachelor of Science or Bachelor of Arts degree in a similar field.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

**Music Industry****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>	MUS 148	INTRODUCTION TO AMERICAN MUSIC	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	MUS 120	INTRODUCTION TO MUSIC BUSINESS	3 CR. HRS.
<input type="checkbox"/>	ACCTG 120	FINANCIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	BUS 110	INTRODUCTION TO BUSINESS	3 CR. HRS.
<input type="checkbox"/>	BUS 200	HUMAN RELATIONS IN BUSINESS	3 CR. HRS.
<input type="checkbox"/>	MCOMM 230	ONLINE MEDIA PROMOTION FOR CREATIVE ARTISTS	3 CR. HRS.
<input type="checkbox"/>	MCOMM 113	INTRODUCTION TO RADIO, TV, AND EMERGING MEDIA	3 CR. HRS.
<input type="checkbox"/>	MCOMM 110	INTRUDOCTION TO MASS MEDIA	3 CR. HRS.
<input type="checkbox"/>	MM 140	MULTIMEDIA PRODUCTION I	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: MCOMM 110, ENGL 110, MATHEMATICS, MUS 148, BUS 110

2nd Semester: MCOMM 113, ACCTG 120, MUS 120, ENGL 111, Social Science

3rd Semester: MM 140, COMM 110 OR 212, ECON 111, Life Science, Humanities/Fine Arts

4th Semester: MCOMM 230, BUS 200, Physical Science, Social Science, Humanities

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The philosophy area of study is designed for students planning to transfer to a four-year college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in philosophy, writing, and critical thinking. The philosophy area of study is designed for students who have as educational goals: (1) teaching at the college or university level; (2) pre-professional majors, especially law; (3) undecided college transfer plans; (4) self-improvement in the areas of reading, writing, critical thinking, and problem solving; (5) students who are deeply curious and strongly motivated by questions of life, death, God, meaning, purpose, value, and the nature of reality.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Humanities Department
Room 314C
(309) 694-5342

Philosophy**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE **	9 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE *	7 CR. HRS.
<input type="checkbox"/>	PHIL 110	INTRODUCTION TO PHILOSOPHY	3 CR. HRS.
<input type="checkbox"/>	PHIL 111	LOGIC	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>		ELEMENTARY FOREIGN LANGUAGE I	4 CR. HRS.
<input type="checkbox"/>		ELEMENTARY FOREIGN LANGUAGE II	4 CR. HRS.
<input type="checkbox"/>	PHIL 112	COMPARATIVE RELIGIONS	3 CR. HRS.
<input type="checkbox"/>	PHIL 115	ETHICS	3 CR. HRS.
<input type="checkbox"/>	PHIL 116	PHILOSOPHY OF RELIGION	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		HUMANITIES ELECTIVE ***	6 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Recommended Social Sciences are HIST 117, PSY 110 and SOC 110.

*** Recommended Humanities electives include Intermediate Foreign Language II, or HUMAN 125, and any INTST course.

Recommended Course Sequence:

1st Semester: ENGL 110; PHIL 110; Social Science; Life Science; Elementary Foreign Language I

2nd Semester: ENGL 111; PHIL 111; Social Science; Physical Science; Elementary Foreign Language II

3rd Semester: COMM 110; PHIL 112; Social Science; Mathematics; Humanities Elective

4th Semester: PHIL 115; PHIL 116; Fine Arts; Humanities Elective

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The Political Science area of study is designed for students planning to transfer to a four-year college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in political science as well as other related social science courses. It is recommended that prospective students take a traditional college-preparatory curriculum in high school, with a strong emphasis on the liberal arts and social sciences.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Humanities Department
Room 314C
(309) 694-5342

Political Science**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	POLSC 115	AMERICAN NATIONAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>	SOC 110	AN INTRODUCTION TO SOCIOLOGY	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES **	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS **	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	POLSC 119	STATE AND LOCAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>	POLSC 120	POLITICAL METHODS AND CONCEPTS	3 CR. HRS.
<input type="checkbox"/>	POLSC 122	INTRODUCTION TO INTERNATIONAL RELATIONS	3 CR. HRS.

OR

<input type="checkbox"/>	POLSC 124	COMPARATIVE POLITICAL SYSTEMS	3 CR. HRS.
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ELECTIVE COURSES:

<input type="checkbox"/>		ELECTIVES ***	11-14 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Recommended Humanities: PHIL 110; HIST 111, 112; Foreign Language at 211 level.

*** Recommended electives: PSY 110; ECON 111; GEOG 113, 114; HIST 117, 118, 201, 202.

Recommended Course Sequence:

1st Semester: ENGL 110; POLSC 115; Life Science; Electives

2nd Semester: ENGL 111; POLSC 119; Physical Science; Humanities

3rd Semester: COMM 110; ECON 110; POLSC 120; Fine Arts; Mathematics

4th Semester: SOC 110; POLSC 122 or POLSC 124; Humanities/Fine Arts; Elective

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

Requirements for admission to law schools may vary. Students planning to enter law school may study at Illinois Central College and then transfer to a four-year college or university to complete a bachelor's degree. Law schools generally favor a program of study in one of the established academic fields as the best preparation. A suggested sequence of courses is listed below. The pre-law student should carefully consider the recommended electives as well.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Business, Legal, and Information Systems Department
Technology Center, Room 205
(309) 694-5558



Pre-Law

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	HIST 112	MODERN WORLD CIVILIZATIONS	4 CR. HRS.
<input type="checkbox"/>	POLSC 115	AMERICAN NATIONAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE **	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>	HIST 202	AMERICAN HISTORY SINCE 1877	3 CR. HRS.
<input type="checkbox"/>	PHIL 111	LOGIC	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ACCTG 120	FINANCIAL ACCOUNTING	4 CR. HRS.
<input type="checkbox"/>	HIST 201	AMERICAN HISTORY TO 1877	3 CR. HRS.
<input type="checkbox"/>	POLSC 119	STATE AND LOCAL GOVERNMENT	3 CR. HRS.
<input type="checkbox"/>	POLSC 122	INTRODUCTION TO INTERNATIONAL RELATIONS	3 CR. HRS.
<input type="checkbox"/>	POLSC 124	COMPARATIVE POLITICAL SYSTEMS	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		APPROVED ELECTIVES ***	6 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

** Recommended Life Science: BIOL 111 or 140.

*** Approved electives: POLSC 120; HIST 111, 219; ECON 111; GEOG 114; Foreign Language; PHIL 110, 115; PSY 110; SOC 110, 114, 210; COMM 112.

Recommended Course Sequence:

1st Semester: ENGL 110; COMM 110; POLSC 115; HIST 201; Physical Science

2nd Semester: ENGL 111; ECON 110; POLSC 122 or POLSC 124; HIST 202; Life Science

3rd Semester: ACCTG 120; POLSC 119; Mathematics; Fine Arts; Elective

4th Semester: PHIL 111; POLSC 122 or POLSC 124; HIST 112; Elective

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

Requirements for admission to four-year colleges and universities vary a great deal. Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts degree.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

**Psychology****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 110	AN INTRODUCTION TO SOCIOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE **	3 CR. HRS.
<input type="checkbox"/>	BIOL 111	CONCEPTS IN BIOLOGY	4 CR. HRS.
<input type="checkbox"/>	CHEM 110	CHEMISTRY AND SOCIETY	4 CR. HRS.
<input type="checkbox"/>	MATH 134	FINITE MATH	4 CR. HRS.
<input type="checkbox"/>	PHIL 110	INTRODUCTION TO PHILOSOPHY	3 CR. HRS.
<input type="checkbox"/>	PHIL 111	LOGIC	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	BIOL 150	GENETICS	3 CR. HRS.
<input type="checkbox"/>	PSY 112	PERSONALITY	3 CR. HRS.
<input type="checkbox"/>	PSY 202	CHILD AND ADOLESCENT DEVELOPMENT	3 CR. HRS.
<input type="checkbox"/>	PSY 210	HUMAN SOCIAL BEHAVIOR	3 CR. HRS.
<input type="checkbox"/>	PSY 225	ABNORMAL PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	PSY 250	INTRODUCTION TO RESEARCH METHODS IN THE BEHAVIORAL SCIENCES	3 CR. HRS.
<input type="checkbox"/>		ELECTIVE **	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Social Sciences or Electives: PSY 112, 115, 118, 200, 215, 220; SOC 120, 210

Recommended Course Sequence:

1st Semester: ENGL 110; CHEM 110; PSY 110; PHIL 110

2nd Semester: ENGL 111; SOC 110; PSY 202; PSY 112; MATH 134

3rd Semester: COMM 110; PHIL 111; PSY 225; BIOL 111; Fine Arts

4th Semester: PSY 210; BIOL 150; PSY 250; Elective; Social Science

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

The Social Work area of study at Illinois Central College consists of classes which will provide students with the academic foundation to transfer to a four-year school to complete the Bachelor's of Social Work (BSW). The BSW is a specialized degree that educates students to be professional social workers and gain entry into direct human service professional positions.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

**Social Work****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 110	AN INTRODUCTION TO SOCIOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 114	SOCIAL PROBLEMS	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>	BIOL 111	CONCEPTS IN BIOLOGY	4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>		PSYCHOLOGY ELECTIVE ***	3 CR. HRS.
<input type="checkbox"/>		SOCIOLOGY ELECTIVE **	3 CR. HRS.
<input type="checkbox"/>	PSY 202	CHILD AND ADOLESCENT DEVELOPMENT	3 CR. HRS.
<input type="checkbox"/>	SOC 120	MARRIAGE AND THE FAMILY	3 CR. HRS.
<input type="checkbox"/>	SOC 218	INTRODUCTION TO SOCIAL PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 219	THE SOCIOLOGY OF RACE AND ETHNICITY IN AMERICA	3 CR. HRS.
<input type="checkbox"/>	SOCWK 220	INTRODUCTION TO SOCIAL WORK	3 CR. HRS.
<input type="checkbox"/>	SSC 115	LEADERSHIP AND COMMUNITY SERVICE	2 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Sociology elective will depend upon the student's area of interest in social work and the requirements of the BSW degree program to which the student intends to transfer.

*** PSY 118 is strongly recommended.

Recommended Course Sequence:

1st Semester: ENGL 110; BIOL 111; SOC 110; Humanities

2nd Semester: ENGL 111; PSY 110; SOCWK 220; Physical Science; Fine Arts

3rd Semester: PSY 202; SOC 114; COMM 110; Mathematics; Humanities/Fine Arts

4th Semester: SOC 120; SOC 218; SOC 219; SSC 115; Sociology Elective; Psychology Elective

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

Requirements for admission to four-year colleges and universities vary a great deal. Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts degree.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113

**Sociology****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 110	AN INTRODUCTION TO SOCIOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 114	SOCIAL PROBLEMS	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES **	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS **	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	PSY 220	ADULTHOOD AND AGING	3 CR. HRS.
<input type="checkbox"/>	SSC 111	AMERICANS AND THEIR CULTURE	3 CR. HRS.
		Or	
<input type="checkbox"/>	INTST 140	GLOBAL ISSUES	3 CR. HRS.
<input type="checkbox"/>	SOC 120	MARRIAGE AND THE FAMILY	3 CR. HRS.
<input type="checkbox"/>	SOC 213	INTRODUCTION TO CULTURAL ANTHROPOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 218	INTRODUCTION TO SOCIAL PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	SOC 219	THE SOCIOLOGY OF RACE AND ETHNICITY IN AMERICA	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Recommended Humanities: INTST 132, 133; PHIL 110.

Recommended Course Sequence:

1st Semester: ENGL 110; SOC 110; SSC 111 or INTST 140; Life Science; Fine Arts

2nd Semester: ENGL 111; PSY 110; SOC 114; Physical Science; Humanities

3rd Semester: COMM 110; ECON 110; PSY 220; SOC 218; Mathematics

4th Semester: ECON 111; SOC 120; SOC 213; SOC 219; Humanities/Fine Arts

Associate in Arts**Total Credit Hours** 60 to 64**Program Information:**

Careers in statistics require a strong background in mathematics. Certain specific courses in the mathematics sequence are recommended. For persons interested in statistics, it is wise to consider a secondary subject in which statistical methods are applicable. Some four-year schools require as much as 15 credit hours in an area of this type for graduation. These might include, but are not limited to, biology, psychology, or economics. Students should be aware that some colleges and universities require proficiency in a foreign language.

Additional Program Info:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

Statistics**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE	9 CR. HRS.
<input type="checkbox"/>	MATH 211	STATISTICAL ANALYSIS	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE	7 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	MATH 122	DISCRETE MATHEMATICS I	3 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	MATH 224	CALCULUS AND ANALYTIC GEOMETRY III	4 CR. HRS.
<input type="checkbox"/>	MATH 230	LINEAR ALGEBRA	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ENGR 230	PROGRAMMING ENGINEERING APPLICATIONS	3 CR. HRS.
OR			
<input type="checkbox"/>	CMPSC 125	CS I: PROGRAMMING IN C++	3 CR. HRS.

* See specific requirements for Associate in Arts degree

Recommended Course Sequence:

1st Semester: MATH 222; ENGL 110; Physical Science; Social Science

2nd Semester: MATH 223; MATH 211; ENGL 111; Social Science; MATH 122

3rd Semester: MATH 224; COMM 110 or COMM 212; Social Science;
Humanities/Fine Arts; Fine Arts

4th Semester: MATH 230; ENGR 230 or CMPSC 125; Life Science; Humanities

Associate in Arts

Total Credit Hours 60 to 64

Program Information:

The Theatre area of study, leading to an Associate in Arts degree, is designed to prepare for transfer to a four-year university after completing the four semester program. We offer study in both Performance and Technical areas, one-on-one advisement with classes, and help to explore possible careers associated with theatre, film, and television. The program begins to prepare students interested in careers in acting; directing; arts management; teaching; and scenic, costume, lighting, and make-up design. The program produces four shows per year in multiple venues. This practical experience is invaluable and allows the student the opportunity to work in all areas of the theatre and gain insight and understanding of the theatrical process.

Additional Program Info:

Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Arts and Behavioral Sciences Department
Room 124A
(309) 694-5113



Theatre

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		PHYSICAL SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>	THTRE 110	THEATRE APPRECIATION	3 CR. HRS.
OR			
<input type="checkbox"/>	THTRE 111	MODERN DRAMA	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	THTRE 113	INTRODUCTION TO TECHNICAL THEATRE	3 CR. HRS.
<input type="checkbox"/>	THTRE 114	FUNDAMENTALS OF THEATRICAL DESIGN	3 CR. HRS.
<input type="checkbox"/>	THTRE 115	STAGE MAKE-UP	2 CR. HRS.
<input type="checkbox"/>	THTRE 118	THEATRE PRACTICUM	1 CR. HRS.
<input type="checkbox"/>	THTRE 119	THEATRE PRACTICUM	1 CR. HRS.
<input type="checkbox"/>	THTRE 122	ACTING I	3 CR. HRS.
<input type="checkbox"/>	THTRE 123	DIRECTING I	3 CR. HRS.
<input type="checkbox"/>	THTRE 210	INTRODUCTION TO COSTUMING	3 CR. HRS.
<input type="checkbox"/>	THTRE 218	THEATRE PRACTICUM	1 CR. HRS.
<input type="checkbox"/>	THTRE 219	THEATRE PRACTICUM	1 CR. HRS.
<input type="checkbox"/>	THTRE 222	ACTING II	3 CR. HRS.
<input type="checkbox"/>	THTRE 223	DIRECTING II	3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: THTRE 110 or 111; THTRE 122; THTRE 113; ENGL 110; THTRE 118; Mathematics

2nd Semester: THTRE 222; Life Science; Social Science; ENGL 111; THTRE 119; THTRE 115

3rd Semester: THTRE 123; THTRE 218; COMM 110; Social Science; Physical Science; Humanities

4th Semester: THTRE 114; THTRE 219; THTRE 223; THTRE 210; PSY 110; Humanities/Fine Arts

Associate in Science

The Associate in Science degree is a baccalaureate-oriented transfer degree focused in life or physical sciences, or professional fields with these study areas as a foundation. Degree completion may qualify the individual for junior standing at many four-year colleges and universities. Students who complete the Associate in Science degree at ICC will need to complete additional requirements at ICC or the transfer institution in order to complete the Illinois Articulation Initiative's general education requirements (For more information on the Illinois Articulation Initiative, see page 126.)

The following pages outline recommended coursework that will help prepare a student for continued education in their selected field of study.

Associate in Science

Total Credit Hours 60 to 64



Program Information:

Associate in Science Degree must complete at least 60 credit hours of TRANSFER CREDIT courses including the General Education requirements. Students must maintain an overall grade point average of 2.00 (C). See page 162 of the current College Catalog for further IAI description.

All students who earn the Associate in Science Degree must complete the specific degree requirements in effect for the AS degree at the time they apply for graduation.

Additional Program Info:

This degree program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

Contact Information:

Academic Advisement
East Peoria Campus
Career Center
Room CC201
(309) 694-5281

Associate in Science

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>		COMMUNICATION*	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE*	6 CR. HRS.
<input type="checkbox"/>		MATHEMATICS*	6-9 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE/PHYSICAL SCIENCE*	10-11 CR. HRS.
<input type="checkbox"/>		FINE ARTS*	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES*	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	ELECTIVES	23-27 CR. HRS.
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* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:

1st Semester: ENGL 110; Life Science; Mathematics; Electives

2nd Semester: ENGL 111; Communication; Social Science; Fine Arts; Electives

3rd Semester: Social Science; Mathematics; Physical Science; Electives

4th Semester: Humanities, Life Science/Physical Science; Electives

Associate in Science**Total Credit Hours** 60 to 64**Program Information:**

Students identified as biological science majors take two years of basic work, followed by a major in a specific area of interest. Many occupations depend on an interest in and an aptitude for life science, including: forester, biochemist, biologist, fish and wildlife service, zoologist, botanist, ecologist, oceanographer, teacher, pharmacologist, etc. Biology majors are usually interested in the study of organisms and life functions, and have a great interest in the natural world. Topics pursued range from subcellular particles to vast populations. Since each living organism is part of a larger interacting system, biology is intertwined with other important fields of study. Knowledge of biology is centered on understanding much of the world and life around us.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

Biology**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
OR			
<input type="checkbox"/>	MATH 211	STATISTICAL ANALYSIS	4 CR. HRS.
<input type="checkbox"/>	BIOL 160	BIOPRINCIPLES I	4 CR. HRS.
<input type="checkbox"/>	BIOL 161	BIOPRINCIPLES II	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CHEM 132	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	CHEM 220	ORGANIC CHEMISTRY	5 CR. HRS.
<input type="checkbox"/>	PHYS 120	GENERAL PHYSICS	5 CR. HRS.
<input type="checkbox"/>	PHYS 121	GENERAL PHYSICS	5 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	CHEM 230	ORGANIC CHEMISTRY	4 CR. HRS.
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* See specific requirements for Associate in Science degree.

Recommended Course Sequence:

1st Semester: BIOL 160; CHEM 130; MATH 222; ENGL 110

2nd Semester: BIOL 161; CHEM 132; MATH 223 or MATH 211; ENGL 111

3rd Semester: CHEM 220; PHYS 120; COMM 110 or COMM 212; Social Science

4th Semester: CHEM 230; PHYS 121; Social Science; Fine Arts; Humanities

Associate in Science**Total Credit Hours** 60 to 64**Program Information:**

The Chemistry area of study is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. During the first two years, students concentrate on building a strong foundation in the sciences and mathematics. The chemistry curriculum is sufficiently flexible to meet the needs of students with the following goals: (1) industrial research and development, (2) environmental research, (3) liberal arts background for medical and allied health professions, (4) secondary teaching of chemistry, or (5) chemical engineering.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

**Chemistry****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	CHEM 132	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CHEM 210	FUNDAMENTALS OF ANALYTICAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	CHEM 220	ORGANIC CHEMISTRY	5 CR. HRS.
<input type="checkbox"/>	CHEM 230	ORGANIC CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	PHYS 211	ENGINEERING PHYSICS: MECHANICS	4 CR. HRS.
<input type="checkbox"/>	PHYS 212	ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM	4 CR. HRS.
<input type="checkbox"/>	PHYS 213	ENGINEERING PHYSICS: THERMODYNAMICS	2 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	MATH 224	CALCULUS AND ANALYTIC GEOMETRY III	4 CR. HRS.
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* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:

1st Semester: CHEM 130; MATH 222; ENGL 110; Social Science

2nd Semester: CHEM 132; MATH 223; ENGL 111; PHYS 211

Summer Semester 1: Social Science; Fine Arts

3rd Semester: CHEM 220; PHYS 212; MATH 224; Life Science

4th Semester: CHEM 210; CHEM 230; COMM 110 or 212; PHYS 213; Humanities

Associate in Science

Total Credit Hours 60 to 64

Program Information:

The Engineering area of study at Illinois Central College is designed for students planning to transfer to a university for completion of a baccalaureate degree. During the two years at Illinois Central College, the student concentrates on building a strong foundation in the sciences and mathematics, and meets the requirements for the Associate in Science degree.

Additional Program Info:

Entry to many university engineering programs at the junior level requires additional engineering courses in the first two years. Students who complete the requirements for the Associate in Science degree may find that an additional year of study may be necessary after transferring if the engineering courses are not completed at ICC. Depending upon where a student is intending to transfer, it may be more beneficial to complete the Associate in Engineering Science Degree. All engineering students should meet with an engineering advisor as early as possible to determine which degree would be more beneficial.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365



Engineering

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	PHYS 211	ENGINEERING PHYSICS: MECHANICS	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ENGR 110	INTRODUCTION TO ENGINEERING	1 CR. HRS.
<input type="checkbox"/>	MATH 224	CALCULUS AND ANALYTIC GEOMETRY III	4 CR. HRS.
<input type="checkbox"/>	MATH 250	DIFFERENTIAL EQUATIONS	3 CR. HRS.
<input type="checkbox"/>	PHYS 212	ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM	4 CR. HRS.
<input type="checkbox"/>	PHYS 213	ENGINEERING PHYSICS: THERMODYNAMICS	2 CR. HRS.
<input type="checkbox"/>		MATH, SCIENCE, or ENGINEERING ELECTIVES	4-6 CR. HRS.

* See specific requirements for the Associate in Science Degree.

Recommended Course Sequence:

1st Semester: MATH 222; CHEM 130; ENGL 110; ENGR 110; Humanities/Fine Arts

2nd Semester: MATH 223; PHYS 211; ENGL 111; Social Science

Summer Semester 1: Math, Science, or Engineering Electives

3rd Semester: MATH 224; PHYS 212; COMM 110; Humanities/Fine Arts

4th Semester: MATH 250; PHYS 213; Life Science; Social Science

Associate in Science

Total Credit Hours 60 to 64



Program Information:

The Environmental Science area of study at Illinois Central College is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. During the two years at Illinois Central College, the student concentrates on building a strong foundation in the sciences and mathematics, and meets the requirements for the Associate in Science degree. The Environmental Science program is designed to prepare the student for a wide range of career opportunities. In addition to the positions traditionally available in laboratories that engage in environmental testing, professional careers exist within governmental agencies, including: (1) state and national departments of the EPA; (2) local and state planning departments; (3) state geological and natural history surveys; (4) the National Park Service; (5) soil and water conservation districts; (6) local and state health departments; (7) U.S. Geological Survey; (8) Departments of Natural Resources; and (9) OSHA. Further, various privately funded organizations maintain a staff of professionally trained environmental scientists.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

Environmental Science

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
		OR	
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	BIOL 114	ENVIRONMENTAL BIOLOGY	4 CR. HRS.
<input type="checkbox"/>	BIOL 160	BIOPRINCIPLES I	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	MATH 211	STATISTICAL ANALYSIS	4 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	BIOL 161	BIOPRINCIPLES II	4 CR. HRS.
<input type="checkbox"/>	CHEM 132	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	CHEM 220	ORGANIC CHEMISTRY	5 CR. HRS.
		OR	
<input type="checkbox"/>	PHYS 120	GENERAL PHYSICS	5 CR. HRS.
<input type="checkbox"/>	CHEM 210	FUNDAMENTALS OF ANALYTICAL CHEMISTRY	4 CR. HRS.
		OR	
<input type="checkbox"/>	CHEM 230	ORGANIC CHEMISTRY	4 CR. HRS.
		OR	
<input type="checkbox"/>	PHYS 121	GENERAL PHYSICS	5 CR. HRS.
<input type="checkbox"/>	PHYS 110	ENERGY AND ENVIRONMENT	4 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:

1st Semester: BIOL 114; PHYS 110; ENGL 110; MATH 222

2nd Semester: BIOL 160; CHEM 130; MATH 211; ENGL 111

Summer Semester 1: CHEM 132

3rd Semester: CHEM 220 or PHYS 120; COMM 110 or COMM 212; Humanities; ECON 110

4th Semester: BIOL 161; CHEM 210 or CHEM 230 or PHYS 121; Social Science; Fine Arts

Associate in Science**Total Credit Hours** 60 to 64**Program Information:**

The Geography area of study is designed for students planning to transfer to a four-year college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in mathematics, earth and physical sciences, and social sciences. Geography is an integrating discipline that encourages the student to relate the various components of the physical and culturally created environments. This course sequence is sufficiently flexible to prepare students for a wide range of career choices.

Specific possibilities include working with: (1) Geographic Information Systems, (2) businesses specializing in industrial and commercial location, (3) computer cartography, (4) remote sensing of environment, resources, and land use, and (5) agencies of the national, state, and local governments which require these skills.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Humanities Department
Room 314C
(309) 694-5342

Geography**GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	GEOG 112	CULTURAL GEOGRAPHY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	MATH 115	COLLEGE ALGEBRA	4 CR. HRS.
<input type="checkbox"/>		MATHEMATICS *	3-4 CR. HRS.
<input type="checkbox"/>	EASC 116	INTRODUCTION TO GEOLOGY	4 CR. HRS.
<input type="checkbox"/>	EASC 118	INTRODUCTION TO WEATHER AND CLIMATE	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	3-4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES **	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	GEOG 116	GEOGRAPHY OF THE DEVELOPING WORLD	3 CR. HRS.
<input type="checkbox"/>	GEOG 118	GEOGRAPHY OF THE DEVELOPED WORLD	3 CR. HRS.
<input type="checkbox"/>	GEOG 200	ECONOMIC GEOGRAPHY	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		ELECTIVES	12 CR. HRS.
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* See specific requirements for Associate in Science Degree.

** Recommended Humanities course: INTST 132 or INTST 133.

Recommended Course Sequence:

1st Semester: EASC 116; ENGL 110; GEOG 112; MATH 115

2nd Semester: ENGL 111; GEOG 116; ECON 110; Humanities; Mathematics

3rd Semester: COMM 110; GEOG 118; Life Science; Electives

4th Semester: EASC 118; GEOG 200; Fine Arts; Humanities; Electives

Associate in Science

Total Credit Hours 60 to 64



Program Information:

The Geology area of study at Illinois Central College is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. During the two years at Illinois Central College, the student concentrates on building a strong foundation in the sciences and mathematics, and meets the requirements for the Associate in Science degree. The Geology curriculum is designed to prepare the student for a wide range of career opportunities. In addition to the positions traditionally available in petroleum and coal production, professional careers exist with: (1) governmental agencies, including the U.S. Geologic Survey, state geological surveys, the National Park Service, the Coast and Geodetic Survey, and the Bureau of Mines, (2) planning organizations, (3) environmental agencies, (4) educational institutions, (5) museums, and (6) various industrial firms.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

Geology

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	BIOL 130	GENERAL ZOOLOGY	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	EASC 116	INTRODUCTION TO GEOLOGY	4 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CHEM 132	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	EASC 118	INTRODUCTION TO WEATHER AND CLIMATE	4 CR. HRS.
<input type="checkbox"/>	PHYS 120	GENERAL PHYSICS	5 CR. HRS.
<input type="checkbox"/>	PHYS 121	GENERAL PHYSICS	5 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:

1st Semester: EASC 116; CHEM 130; ENGL 110; MATH 222

2nd Semester: MATH 223; CHEM 132; ENGL 111; Humanities

3rd Semester: PHYS 120; BIOL 130; Fine Arts; Social Science

4th Semester: PHYS 121; COMM 110 or COMM 212; EASC 118; Social Science

Associate in Science**Total Credit Hours** 60 to 64**Program Information:**

The Meteorology area of study is designed for students planning to transfer to a college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in the sciences and mathematics. This calculus based physics curriculum is appropriate for students interested in atmospheric science, meteorology, climatology, or weather forecasting.

Additional Program Info:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

**Meteorology****GENERAL COURSES:**

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	GEOG 112	CULTURAL GEOGRAPHY	3 CR. HRS.
		OR	
<input type="checkbox"/>	GEOG 113	WORLD REGIONAL GEOGRAPHY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	EASC 118	INTRODUCTION TO WEATHER AND CLIMATE	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE (BIOL) *	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	MATH 224	CALCULUS AND ANALYTIC GEOMETRY III	4 CR. HRS.
<input type="checkbox"/>	MATH 250	DIFFERENTIAL EQUATIONS	3 CR. HRS.
<input type="checkbox"/>	PHYS 211	ENGINEERING PHYSICS: MECHANICS	4 CR. HRS.
<input type="checkbox"/>	PHYS 212	ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM	4 CR. HRS.
<input type="checkbox"/>	PHYS 213	ENGINEERING PHYSICS: THERMODYNAMICS	2 CR. HRS.
<input type="checkbox"/>	PHYS 214	ENGINEERING PHYSICS: MODERN PHYSICS	2 CR. HRS.

* See specific requirements for Associate in Science degree.

Recommended Course Sequence:

1st Semester: CHEM 130; MATH 222; ENGL 110; EASC 118

2nd Semester: MATH 223; ENGL 111; PHYS 211; GEOG 112 or 113; Life Science

3rd Semester: PHYS 212; MATH 224; Humanities; Life Science

4th Semester: PHYS 213; PHYS 214; MATH 250; COMM 110; Fine Arts; Social Science

Associate in Science

Total Credit Hours 60 to 64

Program Information:

This area of study is intended for students planning to transfer to a senior college or university for a baccalaureate degree in physical education. Upon successful completion of the baccalaureate degree in Physical Education, graduates are qualified for positions as teachers, coaches or specialists in public and private elementary or secondary schools, colleges and universities as well as other social and recreational agencies which promote physical activity programs.

Additional Program Info:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Students who plan to pursue a K-12 teaching degree in order to teach physical education and/or coach, should follow those requirements outlined for the education major through the Social Sciences and Public Services Department.

Contact Information:

Physical Education Coordinator
CougarPlex
(309) 694-5427



Physical Education

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>	SOC 110	AN INTRODUCTION TO SOCIOLOGY	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	MATH 110	CONCEPTS OF MATHEMATICS	3 CR. HRS.
<input type="checkbox"/>	MATH 111	GENERAL EDUCATION STATISTICS	3 CR. HRS.
<input type="checkbox"/>	BIOL 110	LIFE SCIENCE	4 CR. HRS.
<input type="checkbox"/>	BIOL 140	HUMAN ANATOMY AND PHYSIOLOGY	4 CR. HRS.
<input type="checkbox"/>	CHEM 115	FOUNDATIONS OF CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	EDUC 111	INTRODUCTION TO AMERICAN EDUCATION **	3 CR. HRS.
<input type="checkbox"/>	FCS 110	BASIC NUTRITION	2 CR. HRS.
<input type="checkbox"/>	HLTH 150	FOUNDATIONS OF HEALTH	3 CR. HRS.
<input type="checkbox"/>	PHYED 116	INTRODUCTION TO RECREATION	2 CR. HRS.
<input type="checkbox"/>	PHYED 136	FOUNDATIONS OF HUMAN MOVEMENT	3 CR. HRS.
<input type="checkbox"/>	PHYED 205	FITNESS AND WELLNESS	2 CR. HRS.
<input type="checkbox"/>	PHYED 210	SPORT PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>	PHYED 236	SCIENTIFIC BASIS OF HUMAN MOVEMENT	3 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	HLTH 120	FIRST AID	2 CR. HRS.
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* See specific requirements for Associate in Science.

** Athletic Trainers, take HLTH 121 and an additional PHYED activity course (Spring Semester, Freshmen Year) instead of EDUC 111

Recommended Course Sequence:

1st Semester: ENGL 110; PHYED 136; PSY 110; BIOL 110; PHYED 116

2nd Semester: CHEM 115; FCS 110; ENGL 111; MATH 110; EDUC 111

3rd Semester: COMM 110; BIOL 140; PHYED 210; MATH 111; Fine Arts

4th Semester: SOC 110; PHYED 205; PHYED 236; Humanities; HLTH 150

Associate in Science

Total Credit Hours 60 to 64

Program Information:

The Physics area of study is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in the sciences and mathematics. The physics curriculum is appropriate for students interested in: (1) industrial research; (2) liberal arts background for the medical professions; (3) teaching of physics or physical science; (4) continued education in related fields such as astronomy, meteorology, physical oceanography, alternate energy, or selected engineering programs.

Additional Program Info:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365



Physics

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	6 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	PHYS 211	ENGINEERING PHYSICS: MECHANICS	4 CR. HRS.
<input type="checkbox"/>		LIFE SCIENCE *	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CHEM 132	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	MATH 224	CALCULUS AND ANALYTIC GEOMETRY III	4 CR. HRS.
<input type="checkbox"/>	MATH 230	LINEAR ALGEBRA	3 CR. HRS.
<input type="checkbox"/>	MATH 250	DIFFERENTIAL EQUATIONS	3 CR. HRS.
<input type="checkbox"/>	PHYS 212	ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM	4 CR. HRS.
<input type="checkbox"/>	PHYS 213	ENGINEERING PHYSICS: THERMODYNAMICS	2 CR. HRS.
<input type="checkbox"/>	PHYS 214	ENGINEERING PHYSICS: MODERN PHYSICS	2 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:

1st Semester: CHEM 130; MATH 222; ENGL 110; Life Science

2nd Semester: CHEM 132; MATH 223; ENGL 111; PHYS 211

3rd Semester: PHYS 212; MATH 224; COMM 110; Social Science; Humanities

4th Semester: PHYS 213; PHYS 214; MATH 230; MATH 250; Fine Arts; Social Science

Associate in Science

Total Credit Hours 60 to 64



Program Information:

Students planning to enter a professional school should seek specific information from the school they wish to attend since admission requirements vary considerably. Accredited chiropractic colleges require a minimum of 90 credit hours before entrance into the medical school, of which a minimum of 30 hours must come from upper-level courses. A bachelor's degree is not required but is encouraged. Although a major in any academic field is usually acceptable, majors in biology and chemistry are especially suitable since major requirements in these fields overlap with pre-professional requirements.

Additional Program Info:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

It is recommended that a student whose plans include completing a bachelor's degree before entrance into a chiropractic college complete math through calculus at ICC before transferring to the university.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

Pre-Chiropractic

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
		OR	
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE	3 CR. HRS.
<input type="checkbox"/>	BIOL 111	CONCEPTS IN BIOLOGY	4 CR. HRS.
		OR	
<input type="checkbox"/>	BIOL 160	BIOPRINCIPLES I	4 CR. HRS.
<input type="checkbox"/>	BIOL 205	PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	MATH 120	COLLEGE TRIGONOMETRY	3 CR. HRS.
<input type="checkbox"/>	MATH 211	STATISTICAL ANALYSIS	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	BIOL 206	PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II	4 CR. HRS.
<input type="checkbox"/>	BIOL 210	MICROBIOLOGY	4 CR. HRS.
<input type="checkbox"/>	CHEM 132	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	CHEM 220	ORGANIC CHEMISTRY *	5 CR. HRS.
		OR	
<input type="checkbox"/>	PHYS 120	GENERAL PHYSICS *	5 CR. HRS.
<input type="checkbox"/>	CHEM 230	ORGANIC CHEMISTRY *	4 CR. HRS.
		OR	
<input type="checkbox"/>	PHYS 121	GENERAL PHYSICS *	5 CR. HRS.

* Both sequences will be needed before entering into a DC program.

Recommended Course Sequence:

1st Semester: MATH 120; CHEM 130; BIOL 205; ENGL 110; Social Science

2nd Semester: MATH 211; CHEM 132; BIOL 206; ENGL 111; PSY 110

Summer Semester 1: BIOL 210

3rd Semester: CHEM 220; PHYS 120; COMM 110 Or COMM 212; Humanities/Fine Arts

4th Semester: CHEM 230; PHYS 121; Fine Arts; Humanities; Social Science

Associate in Science**Total Credit Hours** 60 to 64**Program Information:**

Suggested courses are those that are required to be completed before a student sits for the MCAT and DAT (medical and dental school entrance exams). A regular program of study in one of the established academic fields is generally recommended as the best preparation. Although a major in any academic field is usually acceptable, majors in biology and chemistry are especially suitable since major requirements in these fields overlap with pre-professional requirements.

Additional Program Info:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

Pre-Medical, Pre-Dental**GENERAL COURSES:**

- | | | | |
|--------------------------|----------|---|------------|
| <input type="checkbox"/> | ENGL 110 | COMPOSITION I | 3 CR. HRS. |
| <input type="checkbox"/> | ENGL 111 | COMPOSITION II | 3 CR. HRS. |
| <input type="checkbox"/> | COMM 110 | INTRODUCTION TO COMMUNICATION:
PRESENTATION AND THEORY | 3 CR. HRS. |

OR

- | | | | |
|--------------------------|----------|-----------------------------------|------------|
| <input type="checkbox"/> | COMM 212 | PUBLIC SPEAKING | 3 CR. HRS. |
| <input type="checkbox"/> | PSY 110 | INTRODUCTION TO PSYCHOLOGY | 3 CR. HRS. |
| <input type="checkbox"/> | SOC 110 | AN INTRODUCTION TO SOCIOLOGY | 3 CR. HRS. |
| <input type="checkbox"/> | MATH 222 | CALCULUS AND ANALYTIC GEOMETRY I | 5 CR. HRS. |
| <input type="checkbox"/> | MATH 223 | CALCULUS AND ANALYTIC GEOMETRY II | 4 CR. HRS. |

OR

- | | | | |
|--------------------------|----------|----------------------|------------|
| <input type="checkbox"/> | MATH 211 | STATISTICAL ANALYSIS | 4 CR. HRS. |
| <input type="checkbox"/> | BIOL 160 | BIOPRINCIPLES I | 4 CR. HRS. |
| <input type="checkbox"/> | BIOL 161 | BIOPRINCIPLES II | 4 CR. HRS. |
| <input type="checkbox"/> | CHEM 130 | GENERAL CHEMISTRY | 4 CR. HRS. |
| <input type="checkbox"/> | | HUMANITIES* | 3 CR. HRS. |
| <input type="checkbox"/> | | FINE ARTS * | 3 CR. HRS. |

RECOMMENDED COURSES:

- | | | | |
|--------------------------|----------|-------------------|------------|
| <input type="checkbox"/> | CHEM 132 | GENERAL CHEMISTRY | 4 CR. HRS. |
| <input type="checkbox"/> | CHEM 220 | ORGANIC CHEMISTRY | 5 CR. HRS. |
| <input type="checkbox"/> | CHEM 230 | ORGANIC CHEMISTRY | 4 CR. HRS. |
| <input type="checkbox"/> | PHYS 120 | GENERAL PHYSICS | 5 CR. HRS. |
| <input type="checkbox"/> | PHYS 121 | GENERAL PHYSICS | 5 CR. HRS. |

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:

1st Semester: MATH 222; CHEM 130; BIOL 160; ENGL 110

2nd Semester: MATH 223 or MATH 211; CHEM 132; BIOL 161; ENGL 111; Fine Arts

3rd Semester: COMM 110; CHEM 220; PHYS 120; PSY 110

4th Semester: CHEM 230; PHYS 121; SOC 110; Humanities

Associate in Science

Total Credit Hours 60 to 64

Program Information:

Admission requirements to colleges of pharmacy vary considerably. Students planning to enter a pharmacy school should seek specific information from the school they wish to attend. Acceptance into a college of pharmacy is extremely competitive. Entrance into a college of pharmacy directly from ICC is possible; an alternative would be to receive a baccalaureate degree in biology, chemistry, or bio-chemistry before applying to the pharmacy college of their choice.

Additional Program Info:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365



Pre-Pharmacy

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
		OR	
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
		OR	
<input type="checkbox"/>	SOC 110	AN INTRODUCTION TO SOCIOLOGY	3 CR. HRS.
<input type="checkbox"/>	ECON 110	PRINCIPLES OF MACROECONOMICS	3 CR. HRS.
		OR	
<input type="checkbox"/>	ECON 111	PRINCIPLES OF MICROECONOMICS	3 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
		OR	
<input type="checkbox"/>	MATH 211	STATISTICAL ANALYSIS	4 CR. HRS.
<input type="checkbox"/>	BIOL 160	BIOPRINCIPLES I	4 CR. HRS.
<input type="checkbox"/>	BIOL 161	BIOPRINCIPLES II	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CHEM 132	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	BIOL 205	PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I	4 CR. HRS.
<input type="checkbox"/>	BIOL 206	PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II	4 CR. HRS.
<input type="checkbox"/>	CHEM 220	ORGANIC CHEMISTRY	5 CR. HRS.
<input type="checkbox"/>	CHEM 230	ORGANIC CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	PHYS 120	GENERAL PHYSICS	5 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	PHYS 121	GENERAL PHYSICS	5 CR. HRS.
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* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:

1st Semester: MATH 222; CHEM 130; BIOL 160; ENGL 110

2nd Semester: MATH 223 or MATH 211; CHEM 132; BIOL 161; ENGL 111; PSY 110 or SOC 110

Summer Semester 1: Humanities; ECON 110 or ECON 111

3rd Semester: CHEM 220; BIOL 205; PHYS 120; COMM 110 or COMM 212

4th Semester: CHEM 230; BIOL 206; PHYS 121; Fine Arts

Associate in Science

Total Credit Hours 60 to 64

Program Information:

Entrance into a Doctorate of Physical Therapy (DPT) program requires an extensive science background. Not all programs require the completion of a BS/BA, a minimum of at least 90 undergraduate hours towards a science degree will be needed. Roughly 60 credit hours can be completed at ICC; it will be necessary for an interested student to transfer to a college or university to work towards a BS/BA degree.

Additional Program Info:

Acceptance into a DPT program is extremely competitive mainly because program size is limited. A high GPA will be required.

Entrance requirements vary between the institutions. Students are encouraged to review specific requirements of every college or university to which they plan to apply. Students are encouraged to meet with their assigned departmental advisor to plan a course schedule that meets transfer requirements.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365



Pre-Physical Therapy

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE	3 CR. HRS.
<input type="checkbox"/>	MATH 135	CALCULUS FOR BUSINESS AND SOCIAL SCIENCES	4 CR. HRS.
Or			
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 211	STATISTICAL ANALYSIS	4 CR. HRS.
<input type="checkbox"/>	BIOL 160	BIOPRINCIPLES I	4 CR. HRS.
<input type="checkbox"/>	BIOL 161	BIOPRINCIPLES II	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	BIOL 205	PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I	4 CR. HRS.
<input type="checkbox"/>	BIOL 206	PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II	4 CR. HRS.
<input type="checkbox"/>	CHEM 132	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	PHYS 120	GENERAL PHYSICS	5 CR. HRS.
<input type="checkbox"/>	PHYS 121	GENERAL PHYSICS	5 CR. HRS.

* See specific requirements for an Associate in Science degree.

Recommended Course Sequence:

1st Semester: MATH 135 or MATH 222; BIOL 160; CHEM 130; ENGL 110

2nd Semester: MATH 211; BIOL 161; CHEM 132; ENGL 111; PSY 110

3rd Semester: BIOL 205; PHYS 120; COMM 110 or COMM 212; Humanities

4th Semester: BIOL 206; PHYS 121; Fine Arts; Social Science

Associate in Science

Total Credit Hours 60 to 64

Program Information:

This area of study is designed for the student who, after receiving their bachelor's degree in biology or agriculture, is planning to transfer to the University of Illinois College of Veterinary Medicine. Since requirements for admission to professional schools vary considerably according to the profession, as well as the school, a student planning to enter a professional school should seek specific information from the school he/she wishes to attend. The College of Veterinary Medicine is a four-year curriculum leading to the degree of Doctor of Veterinary Medicine.

Additional Program Info:

Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Agricultural and Industrial Technologies Building
Room 118, (309) 694-5171
or
Math, Science, and Engineering Department
Room 320B, (309) 694-5365



Pre-Veterinary

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
		OR	
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	PSY 110	INTRODUCTION TO PSYCHOLOGY	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE	3 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
		OR	
<input type="checkbox"/>	MATH 135	CALCULUS FOR BUSINESS AND SOCIAL SCIENCES	4 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
		OR	
<input type="checkbox"/>	MATH 211	STATISTICAL ANALYSIS	4 CR. HRS.
<input type="checkbox"/>	BIOL 160	BIOPRINCIPLES I	4 CR. HRS.
<input type="checkbox"/>	BIOL 161	BIOPRINCIPLES II	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>		FINE ARTS *	3 CR. HRS.
<input type="checkbox"/>		HUMANITIES *	3 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	CHEM 132	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	CHEM 220	ORGANIC CHEMISTRY	5 CR. HRS.
<input type="checkbox"/>	PHYS 120	GENERAL PHYSICS	5 CR. HRS.
<input type="checkbox"/>	PHYS 121	GENERAL PHYSICS	5 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>	CHEM 230	ORGANIC CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>	AGRI 110	PRINCIPLES OF ANIMAL SCIENCE **	4 CR. HRS.

* See specific requirements for Associate in Science Degree.

** AGRI 110 is not required for students transferring into a biology curriculum

Recommended Course Sequence:

1st Semester: BIOL 160; CHEM 130; ENGL 110; MATH 222 or MATH 135

2nd Semester: BIOL 161; CHEM 132; ENGL 111; Humanities; MATH 223 or MATH 211

3rd Semester: CHEM 220; PHYS 120; COMM 110 or COMM 212

4th Semester: PHYS 121; PSY 110; Fine Arts; Social Science

Associate in Engineering Science

The Associate in Engineering Science (AES) degree is designed to complete the lower-division (freshman and sophomore) portion of a baccalaureate degree in engineering. Baccalaureate engineering programs are highly structured and require extensive, sequential mathematics and science courses at the lower division level. Because the AES degree increases the focus on mathematics and science classes needed for engineering, ICC students need to take courses in a similar pattern to those freshman and sophomore students in the field of engineering at a four-year institution. Students enrolled in this degree program will still have general education coursework to take at their transfer institution their junior or senior year. However, the general education coursework required for ICC's AES degree will transfer as general education courses at IAI participating schools.

Students interested in engineering should meet with an engineering advisor as soon as possible after applying to ICC.

Associate in Engineering Science

Total Credit Hours 61



Program Information:

In addition to the General Requirements for a Degree listed in the current College Catalog, candidates for the Associate in Engineering Science Degree must complete at least 61 credit hours of TRANSFER CREDIT (TC) courses with the following requirements, maintaining an overall grade point average of 2.00 (C).

Admission to the Program:

Summer sessions are necessary for most engineering students.

Additional Program Info:

The Associate in Engineering Science program prepares students for entry into a baccalaureate level engineering program at the junior level. The suggested sequence of courses includes a minimum of 61 semester hours of mathematics, chemistry, physics, selected engineering sciences, and many general education requirements common to most engineering B.S. degree programs. (See specific graduation requirements for the Associate in Engineering Science Degree.) This sequence is articulated with Bradley University, Missouri University of Science and Technology, University of Illinois at Urbana or Chicago, and fulfills the requirements of most other universities. Students planning to attend Northern Illinois University or Southern Illinois University should meet with an advisor as early as possible.

Note:

Students intending to transfer to Southern Illinois University or Northern Illinois University may benefit from obtaining the Associate in Science Degree. See an Engineering advisor for details. While a foreign language is not required for graduation at ICC, students are strongly advised to check the requirements of the program at the college or university to which they intend to transfer.

To Remain in and Graduate from the Program:

Students enrolled in the Associate in Engineering Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting the requirements of both Illinois Central College and the institution to which transfer is intended.

Contact Information:

Math, Science, and Engineering Department
Room 320B
(309) 694-5365

Associate in Engineering Science

GENERAL COURSES:

<input type="checkbox"/>	ENGL 110	COMPOSITION I	3 CR. HRS.
<input type="checkbox"/>	ENGL 111	COMPOSITION II	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 110	INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY	3 CR. HRS.
OR			
<input type="checkbox"/>	COMM 212	PUBLIC SPEAKING	3 CR. HRS.
<input type="checkbox"/>	MATH 222	CALCULUS AND ANALYTIC GEOMETRY I	5 CR. HRS.
<input type="checkbox"/>	MATH 223	CALCULUS AND ANALYTIC GEOMETRY II	4 CR. HRS.
<input type="checkbox"/>	MATH 224	CALCULUS AND ANALYTIC GEOMETRY III	4 CR. HRS.
<input type="checkbox"/>	CHEM 130	GENERAL CHEMISTRY	4 CR. HRS.
<input type="checkbox"/>		HUMANITIES/FINE ARTS *	3-4 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE *	3 CR. HRS.
<input type="checkbox"/>		SOCIAL SCIENCE or HUMANITIES/FINE ARTS *	6-7 CR. HRS.

RECOMMENDED COURSES:

<input type="checkbox"/>	ENGR 110	INTRODUCTION TO ENGINEERING	1 CR. HRS.
<input type="checkbox"/>	MATH 250	DIFFERENTIAL EQUATIONS	3 CR. HRS.
<input type="checkbox"/>	PHYS 211	ENGINEERING PHYSICS: MECHANICS	4 CR. HRS.
<input type="checkbox"/>	PHYS 212	ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM	4 CR. HRS.
<input type="checkbox"/>	PHYS 213	ENGINEERING PHYSICS: THERMODYNAMICS	2 CR. HRS.

ELECTIVE COURSES:

<input type="checkbox"/>		ENGINEERING ELECTIVES **	8-10 CR. HRS.
<input type="checkbox"/>		MATH, SCIENCE, or ENGINEERING ELECTIVES **	4-6 CR. HRS.

* See specific requirements for the Associate in Engineering Degree.

** All electives in the engineering program should be chosen with the help of an advisor. They vary with both choice of transfer university and choice of engineering area of study. Total hours vary accordingly. For a list of acceptable courses, see specific requirements for Associate in Engineering Science Degree.

Recommended Course Sequence:

1st Semester: MATH 222; CHEM 130; ENGL 110; ENGR 110; Elective

2nd Semester: MATH 223; PHYS 211; ENGL 111 or COMM 110 or COMM 212; Elective

3rd Semester: MATH 224; PHYS 212; Elective, Elective, Elective

4th Semester: MATH 250; PHYS 213; Elective, Elective, Elective

*Either PSY 210 or SOC 218 satisfies IAI requirements

Special Programs and Classes

Adult Education	191
Corporate and Community Education.....	191
Early College	192
Honors Program	192
International Education Program	192
Online Learning (Virtual Campus).....	192
Online Degree & Certificate Programs.....	193

Adult Education

ICC Peoria • Arbor Hall, A125 • (309) 690-6827

GED

The Adult Education program isn't just another GED preparation program. In addition to preparing for the GED, the program features career pathways that include manufacturing and healthcare fields that are in demand in our area. Students learn about the skills needed, the education and training available, and prepare to transition into ICC programs.

GED preparation classes cover all subject areas found on the GED test and are free. These classes are made possible from a grant from the Illinois Community College Board (ICCB) and offered through ICC's Adult Education Program. Class enrollment is first come; first served and at the beginning and midterm of each semester. Classes are offered at the East Peoria, Peoria, and Pekin campuses along with several sites around our community. Class schedules and times vary by site. For more information and upcoming enrollment dates, call our office at (309) 694-5240. Interested students must participate in a reading test.

English as a Second Language

Free beginning and intermediate ESL classes are offered at the ICC Peoria Campus and begin in August and January. Call (309) 690-6827 for more information.

Star Reading Program

Do you struggle with reading? Need additional help? No problem with our Star Reading Program that assists students reading from a 4th grade to an 8th grade level obtain the skills necessary to achieve a high school equivalency. This program is tailored to you!

Teen Express

Are you 16 or 17 years old? Teen Express is the program for you! This 4-day afternoon program is fast-paced and customized to teens, providing them with the tools to pass their GED and enter post-secondary education!

I-Pathways

Can't get to one of our classes because of transportation issues or babysitting problems? Try out our online GED preparation called i-Pathways. You must have a 10th grade reading level or higher to qualify. Students can only enroll during the set phone-in registration dates.

Corporate and Community Education

ICC Peoria • Hickory Hall • (309) 690-6900

Professional Development Institute

The Professional Development Institute (PDI) at Illinois Central College is a comprehensive training and consulting organization whose mission is to serve businesses and individuals. PDI's workforce development services are designed to help build a strong local economy by assisting in developing highly capable employees. PDI services include customized training programs as well as regularly scheduled open enrollment sessions for those who want to upgrade their skills or train for a new career.

PDI has the ability to offer relevant, current topics through a knowledgeable staff, state-of-the-art technology, and community and academic resources, including:

Business Effectiveness Programs

Leadership topics such as Change Management, Critical Thinking/Decision Making, Coaching, Emotional Intelligence, and Developing Successful Work Teams. Assessments and evaluations including 360 Degree Feedback, Strengths Finder, and DiSC. Specialty topics such as Spanish for the Workplace, Diversity/Cultural Training, Performance Planning and Fundamentals of Project Management.

Computer/Information Technology Programs

Basic to advanced Microsoft Office, QuickBooks, SQL, and AutoCAD. PDI is also an Authorized Testing Center for Microsoft Office Specialist (MOS) certifications.

Industrial, Safety, Quality Programs

Blueprint Reading, CNC Operator, Electrical Troubleshooting, Hydraulics Maintenance and Troubleshooting, OSHA 10- and 30-Hour, DOT HAZMAT, Employee Safety Refreshers, ISO 9000, 14000, and TS 16949. PDI also provides NIMS certifications as well as MSSC.

Continuing Professional Education for Healthcare

CNA Recertification, professional development workshops for massage therapists and other allied health occupations plus Pharmacy Technician training.

Truck Driver Training

Individuals seeking a career in truck driving can choose from a full-time, four-week program or a part-time, eight-week program. Experienced drivers who have been away from the profession can benefit from the Refresher Course. Individuals relocating to Illinois may choose the Transition Course. Other special courses include HAZMAT Training and Pre-Trip Inspection. PDI also works with companies in developing specific courses for their employees with Class A licenses or permits.

Highway Construction Careers Training Program (HCCTP)

HCCTP is a pre-apprentice program designed to prepare individuals to enter into a building trades apprentice program. Funded by the Illinois Department of Transportation, the HCCTP programs is 12 weeks in length and include topics such as math for the trades, job readiness, blueprint reading, technical skills, OSHA 10-Hour certification, First Aid/CPR certification and exposure to the work of many area apprentice programs.

Choosing PDI means you are choosing business expertise in the areas that are most vital to your organization. As part of Illinois Central College, PDI has access to training facilities and technologies that you cannot find anywhere else in Central Illinois. From welding labs to culinary kitchens; sophisticated computer labs to "smart" classrooms; your business or organization will find a vast array of resources to meet your needs.

Adult Community Programs

Adult Community Programs (ACP) provides workshops and programs on a variety of topics designed to give community members opportunities to learn something new or enhance their current skills. Topic areas include history, art, computers, language, gardening, crafts, cooking, and fitness/health. Unless specifically stated, ACP programs are designed for adults 18 and over.

Youth Programs

College for Kids offers summer enrichment programs providing those students going into 4th through 12th grades a mix of fun, academics, and new friendships. Sessions are generally held Monday through Thursday in June and July and offer a wide range of times and class options. After care and special Friday field trips are also scheduled for those seeking to extend their College for Kids experience. In addition, College for Kids periodically offers computer and technology courses during the school year.

SAT Prep

High school juniors and seniors have the opportunity to prepare for their SAT exam in the areas of reading, writing, math, and test preparation. These sessions include classroom instruction, study materials, and practice exams.

Early College

ICC Peoria • Arbor Hall, A102 • (309) 690-6863

High school juniors and seniors can earn both college credit and credit toward their high school diploma by taking Early College classes for dual credit at their school. Through an agreement with ICC, some schools also allow students to take college classes at an ICC campus. Contact your high school counselor to see what is available at your school.

Honors Program

East Peoria Campus • 221B • (309) 694-8455

Illinois Central College offers an Honors Program for students who exhibit academic excellence. Students accepted into the Honors Program receive: 1) free tuition for up to 64 credit hours; 2) access to honors courses with small class sizes; 3) opportunities to network with other honors students; 4) opportunities to enhance leadership skills through community service; 5) honors recognition on the academic transcript and commencement service when the program is successfully completed. Honors classes are based on active student participation through research assignments, in-depth class discussion, group projects, and independent study.

The program is limited to 50 participants. Entry into the program is competitive and based on ACT/SAT scores, high school GPA, and other criteria.

Applications for the fall semester are due by February 15.

Applications for the spring semester are due by November 1.

Minimum qualifications include:

1. A composite ACT score of 27.
2. Current college students must also have a cumulative GPA of 3.35 or better on a 4.0 scale.
3. Students must be considered in-district students.

To remain in the program, the Honors student must maintain a cumulative GPA of 3.35 or better and must enroll in two honors sections of classes offered each semester.

For more information access the College website at icc.edu/academics/honors-program.

International Education Program

East Peoria Campus • (309) 694-8817 or (309) 694-8947

The purpose of the international education program is to promote the development of internationally competent citizens. This objective is addressed by assistance to faculty in internationalizing the content and perspective of the curriculum; by developing and promoting of opportunities for students, faculty and staff to study abroad; by welcoming international students, faculty, and visitors to ICC; and by sponsoring events emphasizing cultural awareness on campus.

Students may choose a semester program in China; Canterbury, England; Carlow, Ireland; Spain; Salzburg, Austria; or summer sessions in San Jose, Costa Rica, and France. A student is not limited to these programs specifically. There are programs to match his/her needs. Most programs are endorsed by the Illinois Consortium of International Study Programs (ICISP) and provide ICC credit. To be eligible for these programs, students must have completed a minimum of 15 hours with a cumulative grade point average of at least 2.75. Final determination of acceptance rests with ICC.

Online Learning (Virtual Campus)

*(309) 694-5200 • icconline@icc.edu
icc.edu/VirtualCampus*

ICC offers opportunities to earn a degree or certificate completely through online classes. For more information, contact the Admissions office. Illinois Central College is accredited by the Higher Learning Commission. ICC earned accreditation for Distance Education in 2003.

Illinois Central College has been approved by Illinois to participate in the National Council for State Authorization Reciprocity Agreements. NC-SARA is a voluntary, regional approach to state oversight of postsecondary distance education. Out-of-state enrollment limitations may apply to some students. Call for more information.

Enrollment in BIOL 110 online is limited to US students only. Due to restrictions on shipping the course's required lab kit, only students based in the US can enroll in BIOL 110 – Life Science online. Contact the Admissions office for more information.

While ICC offers these programs as fully online, some classes might require proctored exams. ICC faculty will provide students with options at ICC, and at a distance, to fulfill the requirements of proctored exams when required by the instructor in some online classes. Most MATH and BIOL online classes do require proctored exams. Contact the class instructor for more information.

COMM 212 online requires students to participate in live, online speech delivery. The class schedule will note the day and time requirement for live, synchronous online speech sessions.

Online Degree & Certificate Programs

Associate in Arts

visit icc.edu/VirtualCampus for a list of fully online programs

Associate in General Studies

Associate in Science

visit icc.edu/VirtualCampus for a list of fully online programs

Applied Science Degree

Web Systems

Occupational Certificate Programs

Computed Tomography Clinical required;
contact icconline@icc.edu for more info

Management of Supply Chain

Small Business Management

Web Developer Apprentice

Web Developer
competency-based format
contact icconline@icc.edu for more info

Non-Credit Certificate Program

Project Management Professional

Course Descriptions

Courses are listed in alphabetical order by subject.

Course Title	Prefix
Accounting.....	ACCTG
Agricultural Business.....	AGBUS
Agricultural Mechanics.....	AGMEC
Agriculture.....	AGRI
American Sign Language.....	ASL
Arabic.....	ARA
Architectural Construction Technology..	ARCTK
Architecture.....	ARCH
Art.....	ART
Automotive Technology.....	AUTO
Banking.....	BANK
Biology.....	BIOL
Bridge.....	BRDGE
Business.....	BUS
Caterpillar Dealer Service Technology...	CATTK
Chemistry.....	CHEM
Child Development.....	CHILD
Chinese.....	CHN
Communication.....	COMM
Computer Management-Cisco.....	CMCIS
Computer Management-General.....	CMGEN
Computer Management-Networking.....	CMNET
Computer Management-Web.....	CMWEB
Computer Science.....	CMPSC
Criminal Justice.....	CRJ
Culinary Arts.....	CA
Dance.....	DANCE
Deconstruction.....	DECON
Dental Hygiene.....	DHYGN
Diesel Powered Equipment Technology...	DPET
Drug and Alcohol Counselor Training.....	DACT
Earth Science.....	EASC
Economics.....	ECON
Education.....	EDUC
Electronics Servicing.....	ELCTS
Electronics Technology.....	ELCTK
Emergency Medical Technician.....	EMS
Energy Efficiency & Renewable Energy...	EERE
Engineering.....	ENGR

Course Title	Prefix
English.....	ENGL
English as a Second Language.....	ESL
Family and Consumer Services.....	FCS
Film.....	FILM
Fire Science Technology.....	FRSTK
French.....	FR
GED Preparation.....	GEDPR
General College Studies.....	ICC
General Motors Automotive Service Educational Program (GM ASEP).....	ASEP
Geographic Information Systems.....	GIS
Geography.....	GEOG
German.....	GER
Graphic Communications.....	GCOMM
Graphic Design.....	GRDSN
Green Building Construction.....	GRBCR
Green Building Environment.....	GRBE
Health.....	HLTH
Health Occupations.....	HEOCC
History.....	HIST
Home Performance Technology.....	HPT
Horticulture.....	HORT
Hospitality.....	HOS
Human Services.....	HUMSV
Humanities.....	HUMAN
Interior Design.....	INDSN
International Studies.....	INTST
Interpreter Preparation.....	IPP
Italian.....	ITAL
Journalism.....	JOURN
Library Technology.....	LIB
Literature.....	LIT
Machine Trades.....	MACTR
Management.....	MGMT
Marketing.....	MKTG
Mass Communication.....	MCOMM
Massage Therapy.....	TM
Mathematics.....	MATH

Course Title	Prefix
Mechanical Technology.....	MECTK
Medical Laboratory.....	MEDLB
Medical Laboratory Technology.....	MLT
Medical Office.....	MEDO
Multimedia.....	MM
Music.....	MUS
Numerical Control Technology.....	NCTK
Occupational Therapy Assistant.....	OTA
Office Administration and Computer Support.....	OFACS
Office Occupations.....	OFOCC
Paralegal.....	PRLGL
Philosophy.....	PHIL
Physical Education.....	PHYED
Physical Science.....	PHYSC
Physical Therapist Assistant.....	PHTA
Physics.....	PHYS
Political Science.....	POLSC
Practical Nursing.....	PRNRS
Professional Development – Tractor/Trailer Driver Training.....	PDTTD
Psychology.....	PSY
Radiography.....	RADTK
Refrigeration and Air Conditioning.....	REACT
Registered Nursing.....	RNRS
Respiratory Care.....	RESP
Social Science.....	SSC
Social Work.....	SOCWK
Sociology.....	SOC
Spanish.....	SPAN
Spanish General Education Development.....	SPGED
Supply Chain Management.....	SCM
Surgical Technology.....	SURTK
Theatre.....	THTRE
Typing Skills.....	TYPE
Welding Technology.....	WELD
Word Processing.....	WP
Work Skills.....	WRKSK

Course Identification

Illinois Central College Course descriptions are listed alphabetically by subject prefix. Community Education (non-credit) classes and workshops are listed in the final section. Not all courses are offered each semester.

The description is introduced by a subject prefix followed by a three-digit course number, course title, and number of semester hours of credit.

Sample Course Listing

Subject Prefix	Course Number	Credit Hours	Type of Credit
↓	↓	↓	↓
ACCTG	000	3 HRS.	(OC)
ACCOUNTING	(BUS 000)		
↑	↑		
Course Title	IAI Numbe		
Prerequisite: ACCTG 000 or department approval. This course is a practical study of business and individual income tax accounting per current Internal Revenue requirements.			
Lecture Hours: 3 Laboratory Hours: 0			
↑	↑		
Number of lecture and laboratory hours required per week for a full semester			

Course Numbering

001-039	General Studies
040-079	Vocational Skills
080-099	Developmental
100-109	Freshman level – occupational
110-199	Freshman level – transfer or occupational
200-299	Sophomore level – transfer or occupational
C	followed by two digits indicates Community Education (Hobby/Leisure, non-credit)

IAI Number

Refer to page 163.

Prerequisite

Unfulfilled prerequisites may restrict enrollment in a course. If you are unsure that you have completed a prerequisite or its equivalent, contact either your advisor or the dean/associate dean of that department.

Types of Credit

TC - Transfer Credit – articulated with state universities; usually transferrable

OC - Occupational Credit – applicable to an occupational degree or certificate; may be transferrable

BEC - Basic Education Credit – preparation for college level course work; not applicable to degrees or certificates

GSC - General Studies Credit – applicable only to personal development; not applicable to degrees or certificates

ABE - Adult Basic Education Credit – competency/basic skills credit; not applicable to degrees or certificates

ASE - Adult Secondary Education Credit – competency/basic skills credit; not applicable to degrees or certificates

ESL - English as a Second Language – competency/basic skills credit; not applicable to degrees or certificates

Class Format

Access to a computer and/or the Internet may be required for a class, regardless of format. See notes for a particular class in class schedule or check with instructor.

8-week classes – Classes are either more frequent or longer than regular 16-week classes, allowing you to earn a full semester's credit in eight weeks.

Extended – Courses that extend beyond the normal end of the semester.

Flex – Students may enroll in the class any time during the semester, but must finish the class within a year.

4-week classes – Classes are either more frequent or longer than regular 16-week classes, allowing you to earn a full semester's credit in four weeks.

Hybrid classes – Class content is delivered through a combination of face-to-face instruction and the Internet. Time required in the classroom is reduced but not eliminated.

Independent study – You develop a plan of study for a particular subject area. With approval from the dean/associate dean, you earn credit by successfully completing your project and submitting a written report by the end of the semester.

Internships – Earn college credit in selected programs while you work at approved locations. You must earn at least twelve semester hours of college credit before enrolling in an internship. Your internship schedule is arranged cooperatively among your work supervisor, your program supervisor or teaching chair, and you.

Minimesters – Course content is studied in a condensed time frame between semesters, usually in 11 to 13 days.

Off-campus classes – Classes offered at locations other than Illinois Central College campuses.

Short – Courses that are shorter in duration than normal.

12-week classes – Classes are either more frequent or longer than regular 16-week classes, allowing you to earn a full semester's credit in 12 weeks.

Web classes – Course content is delivered online instead of in a classroom. A student who likes to read, write, use the computer and the Internet, and is self-directed to complete work on his or her own is more likely to succeed in a web class. Web classes are not easier nor do they take less time; they require as much if not more time than a traditional class. Web classes have deadlines and due dates. Access to a reliable computer and a stable connection to the Internet is required. NOTE: Some online math classes may require proctored testing. Contact the specific instructor for more information.

Weekend college – Classes meet on Friday, Saturday, and/or Sunday.

Accounting

ACCTG 101 3 HRS. (OC) SURVEY OF ACCOUNTING

This course is designed for students who do not expect to become professional accountants, but who need to understand basic accounting concepts and to gain insight into the creation and use of accounting information. Emphasis will be placed on accounting principles as well as the use, meaning, and limitations of financial statements. This course will include both financial and managerial accounting topics. Students will learn to use the financial statements of an organization for decision-making.

Lecture Hours: 3 Laboratory Hours: 0

ACCTG 105 I 3 HRS. (OC) BOOKKEEPING/ACCOUNTING

This course presents instruction in basic principles of accounting necessary for understanding accounting data. Practical problems and exercises are used to make concepts meaningful.

Lecture Hours: 3 Laboratory Hours: 0

ACCTG 108 3 HRS. (OC) ACCOUNTING USING QUICK BOOKS

Prerequisite: ACCTG 105 with a grade of "C" or better or equivalent. This course covers basic training in the use of accounting software on microcomputers.

Lecture Hours: 2 Laboratory Hours: 2

ACCTG 113 3 HRS. (OC) TAX ACCOUNTING

This course is a practical study of business and individual income tax accounting procedures relative to current Internal Revenue requirements.

Lecture Hours: 3 Laboratory Hours: 0

ACCTG 115 3 HRS. (OC) PAYROLL ACCOUNTING

Prerequisite: ACCTG 105 with a grade of "C" or better or ACCTG 120 with a grade of "C" or better or department approval. This course emphasizes payroll accounting theory and application through familiarization of various federal, state, and local laws effecting payroll systems of business firms. Emphasis is placed on performing detailed payroll work from time of recording employees' hours worked to issuance of paychecks. Familiarization is given to insure adequate control over every detail of the payroll system to improve accuracy, reliability, and timeliness of payroll information processed.

Lecture Hours: 3 Laboratory Hours: 0

ACCTG 120 4 HRS. (TC) FINANCIAL ACCOUNTING (BUS 903)

This course presents accounting as an information system that produces summary financial statements, primarily for users external to a business or other enterprise. Students study the forms of business organizations and the common transactions entered into by businesses. The emphasis is on understanding and applying basic accounting principles and other concepts that guide the reporting of the effect of transactions and other economic events on the financial condition and operating results of a business. How to analyze and interpret historical financial statements and the limitations of using these in making forward-looking business decisions is included. The primary content emphasis will be accounting for current assets and liabilities, long-term assets and liabilities, corporations' cash flow statements and financial statement analysis.

Lecture Hours: 4 Laboratory Hours: 0

ACCTG 121 4 HRS. (TC) MANAGERIAL ACCOUNTING (BUS 904)

Prerequisite: ACCTG 120 with a grade of "C" or better. This course covers the fundamental principles of managerial accounting as they apply to management planning, controlling, evaluating and decision-making. Included is the identification and measurement of the costs of producing goods or services and how to analyze and control these costs. Decision models commonly used in making specific short-term and long-term business decisions are also included.

Lecture Hours: 4 Laboratory Hours: 0

ACCTG 206 3 HRS. (TC) INTERMEDIATE ACCOUNTING I

Prerequisite: ACCTG 121 with a grade of "C" or better or department approval. This course helps develop familiarity with the basic assumptions underlying accounting principles, procedures, methods that are applied in the preparation of financial statements, and the proper uses that can be made of financial data. With this background, the business student is better prepared to analyze and interpret the full product of accounting; the accounting major is better prepared to continue with advanced studies to achieve professional status.

Lecture Hours: 3 Laboratory Hours: 0

ACCTG 207 3 HRS. (TC) INTERMEDIATE ACCOUNTING II

Prerequisite: ACCTG 206 with a grade of "C" or better. This course emphasizes accounting theory and concepts through analysis of special problems that arise in applying these underlying concepts to the financial accounting; emphasis is placed on investigation of liabilities, paid-in-capital, retained earnings, stockholder's equity analysis, changes in financial position, and financial statement analysis. Insight is given as to how knowledge of these areas provides a basis for decision-making by management, stockholders, creditors, and other users of financial statements and accounting reports.

Lecture Hours: 3 Laboratory Hours: 0

ACCTG 208 3 HRS. (TC) COST ACCOUNTING

Prerequisite: ACCTG 121 with a grade of "C" or better or department approval. This course deals with concepts and procedures applied in accumulation of cost data and use of data by management in performing functions of planning, decision-making, and control. Product cost systems, cost-volume-profit relationships, capital budgeting and inventory planning, control and valuation are topics emphasized.

Lecture Hours: 3 Laboratory Hours: 0

ACCTG 209 3 HRS. (TC) INTERMEDIATE ACCOUNTING III

Prerequisite: ACCTG 207 with a grade of "C" or better. This course helps further the student's developmental knowledge with accounting theory and concepts as they relate to special financial statement components. Emphasis is placed upon appropriate financial statement reporting of revenue recognition, leases, accounting changes, and corrections of errors on prior financial statements. Additionally, preparation of the statement of cash flows along with in depth analysis of the statement is provided to assist students as to how this data aids day-to-day management business decision making. The capstone portion of the course looks at all of the full disclosure principles mandated as an accompaniment to business financial statements.

Lecture Hours: 3 Laboratory Hours: 0

ACCTG 211 **3 HRS. (OC)**
ACCOUNTING USING SPREADSHEETS & DATABASE SOFTWARE
 Prerequisite: ACCTG 120 with a grade of "C" or better or department approval. This course helps develop familiarity with spreadsheet and database software, such as Microsoft Excel and Microsoft Access. The emphasis of the course is to use these software programs to help solve accounting problems and create efficiencies in the workplace. With this course, the student is better prepared to perform the type of work they can expect to perform as an accounting or bookkeeping professional.
 Lecture Hours: 3 Laboratory Hours: 0

ACCTG 216 **3 HRS. (OC)**
BOOKKEEPING CAPSTONE
 Prerequisite: ACCTG 120 and ACCTG 115 with a grade of "C" or better. This course is intended to ensure that Bookkeeping Certificate students have the proven knowledge, skills, and behaviors necessary to complete all key accounting functions up to the adjusted trial balance, including basic payroll, inventory, depreciation, and internal controls.
 Lecture Hours: 2 Laboratory Hours: 2

ACCTG 255 **1 HR. (OC)**
INDEPENDENT STUDY
 Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
 Lecture Hours: 0 Laboratory Hours: 3-15

ACCTG 260 **3 HRS. (OC)**
ACCOUNTING INTERNSHIP
 Prerequisite: Credit or concurrent enrollment in ACCTG 207 or department approval. In cooperation with the Internship Coordinator, each student is assisted in locating an appropriate training station where a minimum of fifteen hours per week of on-the-job work experience is provided. The student's work will include experiences which involve accounting activities. This course may be repeated one time.
 Lecture Hours: 1 Laboratory Hours: 15

Agricultural Business

AGBUS 110 **3 HRS. (TC)**
INTRODUCTORY ECONOMICS OF FOOD, FIBER, AND NATURAL RESOURCES (AG 901)
 This course is an introduction to the principles of economics including production principles; production costs, supply, and revenue; profit maximization; consumption and demand; price elasticity; market price determination; and competitive versus noncompetitive market models. These principles are applied to agriculture and the role of agriculture in the United States and world economics. Other topics include a survey of the world food situation; natural, human, and capital resources; commodity product marketing; and agricultural problems and policies.
 Lecture Hours: 3 Laboratory Hours: 0

AGBUS 111 **3 HRS. (TC)**
ECONOMICS OF AGRICULTURE
 This basic course covers the principles of production, supply, demand, price determination, and resource allocation as they apply to economic decisions in agriculture. It includes a study of commodity futures trading that emphasizes the use of hedging and options.
 Lecture Hours: 3 Laboratory Hours: 0

AGBUS 112 **2 HRS. (OC)**
AGRICULTURAL SALES
 This course provides an understanding of the basic principles underlying the sales process in agricultural supply and service firms. The student will become familiar with a problem solving approach to selling.
 Lecture Hours: 2 Laboratory Hours: 0

AGBUS 115 **3 HRS. (TC)**
COMPUTER TECHNOLOGY IN AGRICULTURE
 This course is an introduction to computer hardware, disk operating systems, file manipulation, and printers and the use of word processing, graphics, spreadsheet, and database management software. This course will also include solutions of agriculture data-related problems and use of prepared software and templates.
 Lecture Hours: 2 Laboratory Hours: 2

AGBUS 118 **3 HRS. (OC)**
AGRICULTURAL COMPUTATIONS
 Prerequisite: (1.) Approved reading placement score, or equivalent, and (2.) MATH 098 or completion of high school Algebra 2 with a grade of "C" or better or MATH 099 with a grade of "C" or better or appropriate placement score or department approval. This course introduces the nature of mathematics in various fields within career and technical education. The course will focus on mathematical reasoning and skills to solve industry related problems. The course is designed for the student who is entering a trade related program.
 Lecture Hours: 3 Laboratory Hours: 0

AGBUS 200 **4 HRS. (OC)**
OCCUPATIONAL INTERNSHIP AND SEMINAR I
 Prerequisite: Department approval. This course provides the student majoring in Agricultural Business Management with valuable on-the-job training to study practical business problems.
 Lecture Hours: 1 Laboratory Hours: 20

AGBUS 211 **3 HRS. (OC)**
AGRICULTURE BUSINESS AND FINANCIAL MANAGEMENT
 This course will provide a study of agricultural business management as it applies to the management of farm operations. This course also includes the study of financial management through the use of resource appraisal, budgeting, financial record keeping, enterprise analysis, and capital and credit needs.
 Lecture Hours: 3 Laboratory Hours: 0

AGBUS 212 **3 HRS. (OC)**
MARKETING AGRICULTURAL PRODUCTS
 This course allows the student to survey implications for the producer, processor, distributor and consumer created by different marketing alternatives. A study of the functions and services of each phase of the marketing channel for livestock and grain producers is included. The use of the futures market is incorporated, as it applies to the marketing of livestock and grain. The course includes the study of different grading and standardization methods used in marketing agriculture products.
 Lecture Hours: 3 Laboratory Hours: 0

AGBUS 214 **4 HRS. (OC)**
OCCUPATIONAL INTERNSHIP AND SEMINAR II
 Prerequisite: Department approval. This course provides the student majoring in Agricultural Business Management with valuable on-the-job training to apply previous instruction to practical business problems.
 Lecture Hours: 1 Laboratory Hours: 20

AGBUS 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. This course is repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Agricultural Mechanics**AGMEC 110 3 HRS. (TC)**
INTRODUCTORY AGRICULTURAL MECHANIZATION (AG 906)

This course will familiarize the student with various areas of agricultural engineering including machinery and tractor power, electricity, agricultural structures, and soil and water conservation. The use of mathematics will be stressed.

Lecture Hours: 2 Laboratory Hours: 2

AGMEC 117 3 HRS. (OC)
PRINCIPLES OF AGRICULTURAL MECHANICS

This course connects theory behind agricultural mechanics with practical application. The basic principles of electricity, agricultural structures and construction processes, engine operation, tractor power and equipment maintenance are covered within this class.

Lecture Hours: 2 Laboratory Hours: 2

Agriculture**AGRI 110 4 HRS. (TC)**
PRINCIPLES OF ANIMAL SCIENCE (AG 902)

This is a survey course in animal science involving the basic principles of genetics, physiology, nutrition, and product technology as they apply to the breeding, selection, feeding, and management of cattle, swine, sheep, poultry and horses.

Lecture Hours: 3 Laboratory Hours: 2

AGRI 111 3 HRS. (OC)
APPLIED LIVESTOCK PRODUCTION

This course introduces the student to the livestock industry and the basic principles of livestock production. The technical and scientific fields of breeding, selecting, feeding, housing, and management are introduced as they apply to beef cattle, dairy cattle, sheep, goats, swine, and horses.

Lecture Hours: 2 Laboratory Hours: 2

AGRI 112 4 HRS. (TC)
BASIC SOILS

This course provides fundamental principles of the nature and properties of soils, including origin, formation, and biological, chemical, and physical aspects. Soil dynamics, texture, structure, and soil reactions will be studied.

Lecture Hours: 3 Laboratory Hours: 3

AGRI 113 3 HRS. (OC)
PRINCIPLES OF SOIL FERTILITY

This course is designed to provide a basic knowledge of chemical properties of the various types of fertilizers, their production, use and relation to soil properties, environmental conditions, crop requirements and application. The economic implications of nitrogen, phosphorus, potassium, secondary and trace elements are considered.

Lecture Hours: 2 Laboratory Hours: 3

AGRI 114 3 HRS. (OC)**APPLIED LIVESTOCK PRODUCTION II**

Prerequisite: AGRI 111 with a grade of "C" or better or department approval. This course will develop the students' understanding of the breadth and scope of animal production with the emphasis on food producing animals. Students will be exposed to and develop the biological concepts and their relationship to contemporary production systems including economics, terminology and industry issues to enhance understanding and appreciation of the management of beef cattle, dairy cattle, sheep, goats and swine with special emphasis on management techniques to maximize production efficiency and profitability in animal production.

Lecture Hours: 2 Laboratory Hours: 2

AGRI 118 2 HRS. (OC)
HARVESTING, DRYING, AND STORING GRAIN

This course includes the principles of harvesting, drying and storing of various agricultural crops common to this vicinity. It also includes a study of the selection and operation of the equipment necessary to harvest, dry and store agricultural crops.

Lecture Hours: 2 Laboratory Hours: 0

AGRI 121 3 HRS. (OC)
INTRODUCTION TO PRECISION AGRICULTURE

This course will develop a fundamental understanding of the many facets of precision agriculture including: Global Positioning Systems (GPS), Geographical Information Systems (GIS), yield monitors, remote sensing, drones, grid soil sampling, variable rate application, and vehicle guidance to effectively use data to make informed production management decisions.

Lecture Hours: 2 Laboratory Hours: 2

AGRI 133 1 HR. (OC)
LIVESTOCK EVALUATION I

This course provides for the study of relationships between form and function in the live evaluation and selection of beef cattle, swine, sheep, and goats. The student studies how to make accurate decisions about livestock quality and to defend those decisions with logical reasons.

Lecture Hours: 0 Laboratory Hours: 2

AGRI 134 1 HR. (OC)
LIVESTOCK EVALUATION II

Prerequisite: AGRI 133 with a grade of "C" or better or department approval. This course is a continuation of Livestock Evaluation I (AGRI 133), and provides for continued study of the relationships between form and function in the live evaluation and selection of beef cattle, swine, sheep and goats. The student studies how to make accurate decisions about livestock quality and to defend those decisions with logical reasons.

Lecture Hours: 0 Laboratory Hours: 2

AGRI 200 4 HRS. (TC)
INTRODUCTORY SOIL SCIENCE (AG 904)

This course is designed to provide the student with a theoretical understanding of biological, chemical and physical properties of soils. Practical soil management and conservation practices are studied.

Lecture Hours: 3 Laboratory Hours: 3

AGRI 201 4 HRS. (OC)
CROP PRODUCTION

This course is a study of the production and harvesting of farm crops and means for improving yield and will constitute the major portion of instruction. Topics discussed include adaptation and distribution of major crops, principles of plant growth and development, selection of varieties, cultural practices, diseases of crops, and market classes and grades of major crops of the area.

Lecture Hours: 3 Laboratory Hours: 2

AGRI 203 3 HRS. (OC)**INTEGRATED PEST MANAGEMENT**

This course is designed to encourage an integrated approach to pest management that ensures favorable economic, ecological, and sociological consequences. The use of genetics, biological, mechanical, cultural, and chemical methods of control will be emphasized, and the characteristics and properties of chemicals used in pest control will be studied. The identification of weeds, insects, and diseases will be incorporated with the proper methods to scout for these plant pests.

Lecture Hours: 2 Laboratory Hours: 2

AGRI 204 4 HRS. (TC)**INTRODUCTORY CROP SCIENCE (AG 903)**

This course is an introduction to the kinds, origin, taxonomy, and morphology of field crops. Emphasis is placed on understanding basic principles of plant growth and development. A study of plant reproduction, crop improvement, and utilization of crops; cropping and tillage principles and practices, and field crop production hazards are included.

Lecture Hours: 3 Laboratory Hours: 2

AGRI 205 2 HRS. (OC)**REMOTE SENSING FOR AGRICULTURAL APPLICATIONS**

Prerequisite: AGRI 121 with a C or better or departmental approval. This course will address the theory, methodologies and techniques for the application of remote sensing in multiple facets of agriculture.

Lecture Hours: 1 Laboratory Hours: 2

AGRI 221 3 HRS. (OC)**APPLICATION OF GIS TECHNOLOGY FOR AGRICULTURE**

Prerequisite: AGRI 121 with a grade of "C" or higher.

This course will provide a basic, hands-on approach to how Geographical Information Systems (GIS) are being used to display, analyze, and interpret spatially related data to make improved management decisions in the agricultural sector.

Lecture Hours: 2 Laboratory Hours: 2

AGRI 233 1 HR. (OC)**LIVESTOCK EVALUATION III**

Prerequisite: AGRI 133 with a grade of "C" or better and AGRI 134 with a grade of "C" or better, or department approval. This course is designed for students participating extensively in livestock judging competitions. This course is a continuation of Livestock Evaluation I and II and provides for continued study of the relationship between form and function in the live evaluation and selection of beef cattle, swine, sheep and goats. The student studies how to make accurate decisions about livestock quality and to defend those decisions with logical reasons.

Lecture Hours: 0 Laboratory Hours: 2

AGRI 234 1 HR. (OC)**LIVESTOCK EVALUATION IV**

Prerequisite: AGRI 233 with a grade of "C" or better or department approval. This course is designed for students participating extensively in livestock judging competitions. It is a continuation of Livestock Evaluation III and provides for continued study of the relationship between form and function in the live evaluation and selection of beef cattle, swine, sheep, and goats. The student learns how to make accurate decisions about livestock quality and to defend those decisions with logical reasons.

Lecture Hours: 0 Laboratory Hours: 2

AGRI 235 2 HRS. (OC)**LIVESTOCK MARKETING AND MERCHANDISING**

This course focuses on the planning and execution of successful marketing and merchandising of purebred seedstock and commercial livestock including cattle, swine, sheep and goats.

Lecture Hours: 2 Laboratory Hours: 0

AGRI 244 2 HRS. (OC)**ADVANCED PRECISION SYSTEMS**

Prerequisite: DPET 132, DPET 229 or AGMEC 117, with a C or better, or department approval. This course includes introductory concepts of machine auto guidance and telematics systems used on agricultural and industrial equipment.

Lecture Hours: 1 Laboratory Hours: 2

American Sign Language**ASL 110 4 HRS. (TC)****AMERICAN SIGN LANGUAGE I**

Prerequisite: Approved reading placement score, or equivalent. This is a beginning course in American Sign Language. It introduces basic expressive and receptive ASL vocabulary and grammar, fingerspelling, linguistic principles, and basic conversation skills. Norms of American Deaf culture, related laws, and agencies that serve this community are presented.

Lecture Hours: 3 Laboratory Hours: 2

ASL 111 4 HRS. (TC)**AMERICAN SIGN LANGUAGE II**

Prerequisite: Completion of ASL 110 with a grade of "C" or better. An appropriate score on the placement exam or department approval. This course continues in the development of receptive and expressive proficiency in ASL by expanding students' sign vocabulary, enhancing their knowledge and application of accurate grammatical points of the language, building upon their knowledge of American Deaf culture and the agencies that serve this community. Communication technologies that are utilized by the D/deaf and hard of hearing populations will also be presented.

Lecture Hours: 3 Laboratory Hours: 2

Arabic**ARA 110 4 HRS. (TC)****ELEMENTARY MODERN ARABIC I**

Prerequisite: Approved reading placement score, or equivalent, or "C" or better in ENGL 095 or "C" or better in ENGL 099 or department approval. This course is designed to introduce and develop these four basic skills in modern Arabic: listening, speaking, reading, and writing.

Lecture Hours: 4 Laboratory Hours: 0

ARA 111 4 HRS. (TC)**ELEMENTARY MODERN ARABIC II**

Prerequisite: ARA 110 with a grade of "C" or better or equivalent. This course is a continuation of ARA 110 with emphasis on listening, speaking, reading, and writing. The course is conducted primarily in Arabic.

Lecture Hours: 4 Laboratory Hours: 0

ARA 210 4 HRS. (TC)**INTERMEDIATE MODERN ARABIC III**

Prerequisite: ARA 111 with a grade of "C" or higher or equivalent. This course is designed to develop integrated skills in reading, writing, listening, and speaking. The course is conducted primarily in Arabic.

Lecture Hours: 4 Laboratory Hours: 0

ARA 211 4 HRS. (TC)**INTERMEDIATE MODERN ARABIC IV (H1 900)**

Prerequisite: Approved reading placement score, or equivalent, and ARA 210 with a grade of "C" or better or equivalent. This course is a continuation of ARA 210 with emphasis on advanced conversation, reading, and composition. The course is conducted primarily in Arabic.

Lecture Hours: 4 Laboratory Hours: 0

Architectural Construction Technology

ARCTK 001 3 HRS. (GSC) SOLAR APPLICATIONS FOR YOUR HOME

This course is intended to survey the present status of different ways in which solar energy can be used directly, to summarize present trends and opportunities in research, and to allow the student to gather the latest references to build on previous efforts. The course is designed to inform local alternative energy seekers as to the state of the art of becoming more energy self-sufficient on a decentralized level.
Lecture Hours: 3 Laboratory Hours: 0

ARCTK 007 1.5 HRS. (GSC) RESIDENTIAL PLANNING AND DRAWING

This course is intended to provide the basic background, knowledge and skills for the individual to design and prepare plans and specifications for a home. The course deals with site selection, landscaping, building construction elements, cost comparisons, mechanical and electrical considerations, different types of architectural treatment, code requirements, and preparation of contract documents.
Lecture Hours: 1 Laboratory Hours: 1

ARCTK 106 2 HRS. (OC) BASIC ARCHITECTURAL DRAFTING

This is an introductory course in architectural drafting for students without previous architectural drafting course or courses. Students with a minimum of one semester of architectural drafting should enroll in ARCTK 111.
Lecture Hours: 1 Laboratory Hours: 3

ARCTK 111 3 HRS. (OC) ARCHITECTURAL DRAFTING

Prerequisite: ARCTK 106 with a grade of "C" or better or equivalent. This introductory course includes general drafting techniques, such as lettering, line work, orthographic projection, two-dimensional representation, perspectives, sections, and architectural conventions.
Lecture Hours: 1 Laboratory Hours: 5

ARCTK 112 3 HRS. (OC) STRUCTURAL DRAFTING

Prerequisite: ARCTK 111 with a grade of "C" or better or department approval. This course introduces the student to structural drafting. Study is made of structural shop drawings and their interrelationship to the entire building, emphasizing the need for the complete structural drawing to be developed logically, completely, and according to currently accepted practices.
Lecture Hours: 1 Laboratory Hours: 5

ARCTK 113 2 HRS. (OC) ELEMENTARY SURVEYING

Prerequisite: MATH 098 with a grade of "C" or better or MATH 099 with a grade of "C" or better or credit or concurrent enrollment in MATH 106. This is an elementary course in surveying, including the fundamentals of plane surveying, and use and care of equipment. The student becomes familiar with transits, levels, chains, tapes, level rods, and other equipment used in plane surveying. The fundamentals of legal land descriptions are included.
Lecture Hours: 1 Laboratory Hours: 3

ARCTK 114 2 HRS. (OC) SURVEYING

Prerequisite: ARCTK 113 with a grade of "C" or better. This course develops skills in differential level surveying, profile and cross-section leveling, transit surveying, construction surveying, and surveying calculations. An introduction to GPS and GIS is included.
Lecture Hours: 1 Laboratory Hours: 3

ARCTK 115 2 HRS. (OC) ARCHITECTURAL PHOTOGRAPHY

This course is offered to study, experiment, and demonstrate procedural skills to capture the character, purpose and human scale of architecture through small-format photography and to study photography as a tool in the design process, presentation of drawings, architectural models, and other technical aspects of the field of architecture.
Lecture Hours: 1 Laboratory Hours: 2

ARCTK 116 3 HRS. (TC) HISTORY OF ARCHITECTURE AND CONSTRUCTION

This course allows a student to experience a comprehensive study of the evolution of architectural form and use of materials and methods of construction. This course is a chronological study ranging from primitive formulative architecture to complex contemporary engineered architecture and computer controlled building construction.
Lecture Hours: 3 Laboratory Hours: 0

ARCTK 118 2 HRS. (OC) BUILDING RESTORATION AND REHABILITATION PLANNING

This course provides opportunities to study, define, and apply applicable period design style principles and methods for rescue and revitalization of period built single/multiple buildings. The student will select and use an actual situation to develop comprehensive design and planning skills and will be expected to apply theoretical and methodological principles outlined in class. The student is expected to establish individual approaches to preservation design and demonstrate ability to find a suitable compromise between aesthetic and environmental goals.
Lecture Hours: 1 Laboratory Hours: 2

ARCTK 119 1 HR. (OC) BLUEPRINT READING - CONSTRUCTION

This course provides a basic understanding of architects' drawings and specifications. Emphasis is on giving broad practical instruction in content and meaning of blueprints, the types of drawings used and an explanation of terms and symbols commonly employed by architects. This course is usually taught in eight three-hour sessions.
Lecture Hours: 0.5 Laboratory Hours: 1

ARCTK 125 3 HRS. (OC) SOILS AND FOUNDATION MATERIALS

Prerequisite: MATH 098 with a grade of "C" or better or concurrent enrollment. This is an introductory course in which the student will become familiar with soil testing and mechanics for construction. Also covered are topics in foundation material with emphasis given to properties of materials and quality control.
Lecture Hours: 2 Laboratory Hours: 3

ARCTK 201 4 HRS. (OC) ARCHITECTURAL DRAFTING

Prerequisite: ARCH 131 with a grade of "C" or better. In this course the student will learn how to prepare working drawings of residential and commercial structures from schematic and preliminary sketches. Principles of residential and commercial construction are introduced for preparation of working documents for the assigned building type.
Lecture Hours: 2 Laboratory Hours: 6

ARCTK 203 3 HRS. (OC) MECHANICS OF MATERIALS

Prerequisite: Credit or concurrent enrollment in PHYS 112. This course covers static strength of materials, selections of materials for particular applications, and inspection of materials. Materials testing methods are stressed in the laboratory.
Lecture Hours: 2 Laboratory Hours: 3

ARCTK 210 3 HRS. (OC)**INTERNSHIP**

Prerequisite: Department approval. This course is designed to give the intern experience in a chosen field of interest under the direct supervision of an architect, engineer or contractor while engaged in on-the-job training. The student will also do individual research and study on an approved area of interest.

Lecture Hours: 2 Laboratory Hours: 16

ARCTK 225 2 HRS. (OC)**SITE DEVELOPMENT**

Prerequisite: ARCTK 113 with a grade of "C" or better. This course is designed to study considerations of site selection, including land survey, survey computations, contours, uses of contour leveling, computation of cut and fill, drainage and grading, and staking out of buildings and roads.

Lecture Hours: 1 Laboratory Hours: 3

ARCTK 227 3 HRS. (OC)**ENVIRONMENTAL SYSTEMS OF BUILDINGS**

Prerequisite: Sophomore standing or department approval. This course is designed to survey different types of environmental systems and their application relevant to human occupancy of buildings, which includes heat, atmospheric control, light, electric power, solar energy, transportation, communication, sanitation, acoustics and related equipment.

Lecture Hours: 3 Laboratory Hours: 0

ARCTK 228 3 HRS. (OC)**CONSTRUCTION MANAGEMENT**

Prerequisite: Sophomore standing or department approval. This course acquaints the student with general aspects and organization of the construction industry. Emphasis is placed on construction planning and scheduling, including critical path method (CPM), resource leveling and control.

Lecture Hours: 2 Laboratory Hours: 3

ARCTK 229 3 HRS. (OC)**COST ESTIMATING AND CONSTRUCTION PRACTICE**

Prerequisite: ARCTK 201 with a grade of "C" or better. This course acquaints the student with contract documents for architectural construction, utilizing the latest recommendations of Construction Specifications Institute and the American Institute of Architects. It familiarizes the student with estimating of building construction costs utilizing the quantity, survey, and approximate methods and also the "systems" approach.

Lecture Hours: 3 Laboratory Hours: 0

ARCTK 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. (Repeatable up to a maximum of five semester hours of credit).

Lecture Hours: 0 Laboratory Hours: 3-15

Architecture**ARCH 110** 3 HRS. (TC)**ARCHITECTURAL ORIENTATION**

This course consists of a series of lectures, seminars, and field trips designed to present the relation of architecture to other disciplines and professions, the role of the architect in society, and the challenges and opportunities of the profession.

Lecture Hours: 3 Laboratory Hours: 0

ARCH 111 2 HRS. (TC)**INTRODUCTION TO ARCHITECTURAL RENDERING**

This introductory course includes architectural perspective sketching and architectural delineation in black and white media.

Lecture Hours: 1 Laboratory Hours: 2

ARCH 112 2 HRS. (TC)**ARCHITECTURAL RENDERING IN COLOR**

Prerequisite: ARCH 111 with a grade of "C" or better. This course includes advanced architectural sketching, introduction of color media, description of speed techniques, and detailing.

Lecture Hours: 1 Laboratory Hours: 2

ARCH 115 3 HRS. (OC)**INTRODUCTION TO THE ART AND SCIENCE OF GREEN BUILDING**

This introductory survey course will examine the core concepts of green building ranging from the global impacts of the built environment to the fundamentals of building science. Topics include sustainable site development, energy efficiency, renewable energy, project team integration, materials selection, and the concept of appropriate technology. The course will provide a cross-disciplinary approach to learning that enables students to integrate skills and knowledge from multiple sources and experiences, and apply their understanding to their professional and civic life.

Lecture Hours: 3 Laboratory Hours: 0

ARCH 131 4 HRS. (TC)**ARCHITECTURAL CONSTRUCTION I**

Prerequisite: ARCH 137 with a grade of "C" or higher or ARCTK 111 with a grade of "C" or higher. This course is an introduction to building construction for design professionals. It includes the study of materials, products and systems for buildings and the criteria for their selection with emphasis on wood and masonry construction. Legal and economic implications and cost control, written and graphic communications for construction are also included in this course.

Lecture Hours: 2 Laboratory Hours: 6

ARCH 132 4 HRS. (TC)**ARCHITECTURAL CONSTRUCTION II**

Prerequisite: ARCH 131 with a grade of "C" or better. This course covers the building process, the architect-engineer, builder and manufacturer. A continuation of ARCH 131, this course includes further study and analysis of materials, products and systems with an emphasis on non-combustible and fire resistive building construction as well as building code and zoning requirements and specifications. This course also includes a study of building construction through the preparation of architectural and structural working drawings.

Lecture Hours: 2 Laboratory Hours: 6

ARCH 137 3 HRS. (TC)**FUNDAMENTALS OF ARCHITECTURAL DRAWING**

Prerequisite: Enrollment in Architecture curriculum. This introductory course includes fundamentals of architectural drafting techniques, such as lettering, line work, orthographic oblique projections, two dimensional representation, perspectives, sections, sketching, shades and shadows, architectural and topographic forms.

Lecture Hours: 1 Laboratory Hours: 5

ARCH 138 2 HRS. (TC)**ARCHITECTURAL FREEHAND DRAWING I**

Prerequisite: Concurrent enrollment in ARCH 137 and enrollment in Architecture curriculum. This studio course includes drawing three-dimensional assigned architectural forms and spaces on a two-dimensional surface, introduction to the use of perspective in architectural freehand drawing, sketching of architectural motifs and drawing from nature in various types of pencils.

Lecture Hours: 1 Laboratory Hours: 3

ARCH 139 2 HRS. (TC)**ARCHITECTURAL FREEHAND DRAWING II**

Prerequisite: ARCH 138 with a grade of "C" or better. This studio course is a continuation of ARCH 138 with emphasis on other media and an accelerated pace in freehand architectural sketching techniques.

Lecture Hours: 1 Laboratory Hours: 3

ARCH 201 3 HRS. (TC)**BASIC DESIGN STUDIO I**

Prerequisite: ARCH 137 with a grade of "C" or better and ARCH 139 with a grade of "C" or better. This course is an introduction to fundamentals of architectural design: object, perception and light. Vocabulary includes: figure-ground composition, balance and movement, proportion and rhythm, mass-space organization, multiple viewing positions, one- and two-point perspective, orthographic projection and freehand drawing.

Lecture Hours: 1 Laboratory Hours: 6

ARCH 202 3 HRS. (TC)**BASIC DESIGN STUDIO II**

Prerequisite: ARCH 201 with a grade of "C" or better. This course is an extension of ARCH 201 with prime emphasis on major factors which influence aesthetic decisions, relation of the physical and human environment to design, and integration of design, and notation and evaluation of an image system in the local community.

Lecture Hours: 1 Laboratory Hours: 6

ARCH 203 3 HRS. (TC)**INTRODUCTION TO THE HISTORY OF ARCHITECTURE**

Prerequisite: Sophomore standing in Architecture curriculum or department approval. This course is a visual and cultural analysis of selected buildings, urban spaces, and cities, from ancient Greece to modern times, with emphasis on architectural traditions of western civilization, especially as they affect the built environment of America and the Middle West.

Lecture Hours: 3 Laboratory Hours: 0

ARCH 204 3 HRS. (OC)**ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING I**

Prerequisite: ARCTK 111 or ARCH 137 both with a grade of "C" or better. This course is intended to be the first in a series of courses to introduce the architectural student or professional to the basic concepts of computer aided design and drafting using AutoCAD software. The student will be introduced to the basic commands of the systems in developing three-dimensional modeling and two-dimensional drawings. Students will gain experience in generating, manipulating and editing graphics and 3-D modeling along with creating library parts for graphic display. Additional topics in text and dimensioning will be introduced. This course may be repeated twice; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.

Lecture Hours: 2 Laboratory Hours: 3

ARCH 205 3 HRS. (OC)**ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING II**

Prerequisite: ARCH 204 with a grade of "C" or better. This course is the second in a series of courses to introduce the architectural student or professional to the concepts of the architectural, engineering and construction applications of the AutoCAD System using architectural Desktop software. The student will be introduced to the commands of the advanced software to generate multiple building plans and elevations. Discussion of multi-discipline designs using layers and three-dimensional manipulation and further discussion of menus and model parts in the advanced software will be covered. This course may be repeated twice; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.

Lecture Hours: 2 Laboratory Hours: 3

ARCH 206 3 HRS. (OC)**ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING III**

Prerequisite: ARCH 204 with a grade of "C" or better. This course is the third in a series of courses to introduce the architectural student or professional to the concepts of the Civil-Site Engineering applications of the AutoCAD System software. The student will be introduced to creation and annotation of map grids and state-plan grid coordinates. Discussion of contours and generation of 3-D digital terrain models will be covered. This course may be repeated twice; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.

Lecture Hours: 2 Laboratory Hours: 3

Art**ART 110 3 HRS. (TC)****ART APPRECIATION (F2 900)**

Prerequisite: Approved reading placement score, or equivalent. This course is a survey of the visual arts, exploring the nature, language and history of art, in relation to cultural, humanistic, and aesthetic values. Lectures are reinforced by written assignments, presentations, gallery visits, critical evaluations of art, and introductory art experiences. This course is acceptable for Humanities credit in the area of Fine Arts. It is intended for general studies of non-majors.

Lecture Hours: 3 Laboratory Hours: 0

ART 111 3 HRS. (TC)**2D DESIGN**

This course is a studio course which investigates traditional and experimental processes and materials involved in two-dimensional design elements, principles of organization and surface treatment.

Lecture Hours: 0 Laboratory Hours: 6

ART 112 3 HRS. (TC)**3D DESIGN**

This course is a study of three-dimensional concepts and terminology utilizing studio projects related to sculpture, architecture and industrial design.

Lecture Hours: 0 Laboratory Hours: 6

ART 120 3 HRS. (TC)**DRAWING I**

This course is an introduction to the basic concepts and techniques of drawing, using a variety of black and white media. Emphasis will be placed on the development of observation skills. Additional interpretive approaches to drawing will be explored as well. The course will also introduce discipline-specific vocabulary, critical analysis skills, and historical information relevant to drawing.

Lecture Hours: 0 Laboratory Hours: 6

ART 121 3 HRS. (TC)**FIGURE DRAWING I**

Prerequisite: ART 120 with a grade of "C" or better or department approval. This course is an introduction to drawing the human figure from direct observation, using a variety of media and techniques. Emphasis is placed on utilizing the concepts of creating illusionary space, with relation to the human form, to achieve accurate proportions, anatomy, and effective composition.

Lecture Hours: 0 Laboratory Hours: 6

ART 140 3 HRS. (TC)**PHOTOGRAPHY I**

This is an introductory course covering the fundamentals of photography utilizing an SLR camera in digital and/or film format. Emphasis is placed on photography as a fine art medium, investigating exposure control, framing and composition, and printing processes. Critical evaluation and thinking are stressed in all phases of the course. An overview of the history of photography, and commercial application will also be addressed.

Lecture Hours: 0 Laboratory Hours: 6

**ART 141
PHOTOGRAPHY II****3 HRS. (TC)**

Prerequisite: ART 140 with a grade of "C" or better or department approval. This course builds on and refines experiences of Photography I, emphasizing creative and aesthetic applications of photography explored through the study of advanced techniques in digital and/or darkroom format. The student will gain expertise in all phases of photography, including but not limited to camera functions, image manipulation, studio practice, lighting, and development of a professional portfolio.

Lecture Hours: 0 Laboratory Hours: 6

**ART 142
THE HISTORY OF PHOTOGRAPHY (F2 904)****3 HRS. (TC)**

Prerequisite: Approved reading placement score, or equivalent. This course surveys the historical development of photography as an art form from 1839 to the present, including critical analysis of the types photographic processes, various artists, and aesthetic movements within the discipline. Students examine photographs as expressions of aesthetic and humanistic value, in relation to the cultural and social context of the time.

Lecture Hours: 3 Laboratory Hours: 0

**ART 150
ART HISTORY I (F2 901)****3 HRS. (TC)**

Prerequisite: Approved reading placement score, or equivalent. This course is a survey of Western Art from the Prehistoric to the Renaissance Period. This course is acceptable for humanities credit.

Lecture Hours: 3 Laboratory Hours: 0

**ART 151
ART HISTORY II (F2 902)****3 HRS. (TC)**

Prerequisite: Approved reading placement score, or equivalent. This course is a survey of art from the Renaissance through the present. This course is acceptable for humanities credit.

Lecture Hours: 3 Laboratory Hours: 0

**ART 152
NON-WESTERN ART HISTORY (F2 903N)****3 HRS. (TC)**

Prerequisite: Approved reading placement score, or equivalent. This course is a survey of art in Non-Western cultures, from the pre-historic to the present. Cultures may include, but are not limited to, the following: China, Japan, Africa, India, The Pacific Rim, and the Americas.

Lecture Hours: 3 Laboratory Hours: 0

**ART 200
PAINTING I****3 HRS. (TC)**

Prerequisite: ART 111 with a grade of "C" or better and ART 120 with a grade of "C" or better. This course is an introduction to the basic properties and techniques of painting, in either oil or acrylic painting media. An emphasis will be placed on technical control, use of tools and media, and continued investigations of color theory, composition, and visual principles. Various projects from observational study to experimental use of the media will be explored. The course will also introduce discipline-specific vocabulary, critical analysis skills, and historical information relevant to painting.

Lecture Hours: 0 Laboratory Hours: 6

**ART 201
PAINTING II****3 HRS. (TC)**

Prerequisite: ART 200 with a grade of "C" or better or department approval. This course builds on and refines experiences of Painting I, emphasizing creative and aesthetic applications of painting, explored through the study of advanced concepts and techniques. This course intended to offer additional studio and portfolio experience. Emphasis will be placed on personal creative development through further experimentation with material's concepts and techniques, on a variety of surfaces.

Lecture Hours: 0 Laboratory Hours: 6

**ART 204
CERAMICS I****3 HRS. (TC)**

This course explores the design, construction and glazing processes through hand-built and wheel-thrown pottery.

Lecture Hours: 0 Laboratory Hours: 6

**ART 205
CERAMICS II****3 HRS. (TC)**

Prerequisite: ART 204 with a grade of "C" or better or department approval. This course further explores the design, construction and glazing processes through hand-built and wheel-thrown pottery.

Lecture Hours: 0 Laboratory Hours: 6

**ART 206
SCULPTURE I****3 HRS. (TC)**

Prerequisite: ART 112 with a grade of "C" or better or department approval. This beginning sculpture course acquaints the student with both traditional and contemporary sculpture techniques and materials, involving skills in carving, casting, construction and assemblage.

Lecture Hours: 0 Laboratory Hours: 6

**ART 210
PRINTMAKING****3 HRS. (TC)**

Prerequisite: ART 111 with a grade of "C" or better or ART 121 with a grade of "C" or better. This course is an introduction to a variety of basic printmaking techniques with an emphasis on collograph, linoleum, woodblock, engraving and etching processes.

Lecture Hours: 0 Laboratory Hours: 6

**ART 221
FIGURE DRAWING II****3 HRS. (TC)**

Prerequisite: ART 121 with a grade of "C" or better or department approval. This course builds on and refines experiences of Figure Drawing I, emphasizing creative and aesthetic applications of figure drawing explored through additional studio experience with the model. Emphasis will be placed on personal creative development through further experimentation with materials and techniques, on a wider variety of surfaces, papers, and scale.

Lecture Hours: 0 Laboratory Hours: 6

**ART 222
DRAWING II****3 HRS. (TC)**

Prerequisite: ART 120 with a grade of "C" or better. This course builds on and refines experiences of Drawing I, emphasizing creative and aesthetic applications of various drawing media, including color media, explored through additional studio experience and classroom assignments. Emphasis will be placed on personal creative development through further experimentation with materials, concepts and techniques, on a wider variety of surfaces, papers, and scale.

Lecture Hours: 0 Laboratory Hours: 6

**ART 255
ART INTERNSHIP****1 HR. (TC)**

Prerequisite: Department approval. This course is designed to give the student/intern experiences in his/her chosen field of interest under the direct supervision of a professional (Director, Assistant Director, Artist) while engaged in on-the-job training. The student/intern will also do individual research and study on approved area of interest and will attend biweekly lectures. The student/intern will be responsible for maintaining five laboratory hours per week per credit.

Lecture Hours: 0 Laboratory Hours: 5 – 15

Automotive Technology

AUTO 110 3 HRS. (OC) INTERNAL COMBUSTION ENGINES

Prerequisite: Department approval. This course discusses the principles of piston driven internal combustion engines and variations in design and operational characteristics of different engine types. In the laboratory, the student will learn the proper use of hand tools, micrometers, dial indicators and other special tools in the visual inspection, measurement and service procedures for spark ignition engines.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 111 3 HRS. (OC) INTRODUCTION TO AUTOMOTIVE TECHNOLOGY

Prerequisite: Department approval. This course provides instruction and lab experience in shop safety, shop operation and how to obtain service information. Also covered are the basic inspection and servicing techniques of electrical systems, brake systems, and automatic transmissions and transaxles.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 114 3 HRS. (OC) MOTOR VEHICLE ELECTRICAL SYSTEMS

Prerequisite: Department approval. This course is designed to include electrical concepts as they apply to electrical systems. It will include the use of electrical test equipment used to diagnose electrical problems found on motor vehicles. Major emphasis is on the application of these principles as they apply to the transportation industry.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 115 4 HRS. (OC) FUEL AND IGNITIONS SYSTEMS FOR GASOLINE ENGINES

Prerequisite: AUTO 110, AUTO 111, and AUTO 114 with a grade of "C" or better. This course covers the principles of fuel and ignition systems in modern gasoline engines. Diagnostic techniques and repair procedures are emphasized. Special emphasis is placed on the use of modern test equipment to analyze problems and computer operations.

Lecture Hours: 3 Laboratory Hours: 3

AUTO 116 3 HRS. (OC) ELECTRICAL ACCESSORY CIRCUITS

Prerequisite: AUTO 114 with a grade of "C" or better. This course covers electrical components and systems associated with the transportation industries and their applications. Diagnostic techniques and repair procedures are emphasized.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 117 3 HRS. (OC) MANUAL TRANSMISSION AND DRIVE AXLES

Prerequisite: Department approval. This course explores the transmission of power from the internal combustion engine by mechanical means. Problems in design and application are solved. The laboratory experience includes inspection, dis-assembly and repair of standard transmissions, differentials, axles, four wheel drive and transfer cases found in current automobiles.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 119 3 HRS. (OC) AUTOMOTIVE SUSPENSION, STEERING AND ALIGNMENT

Prerequisite: Department approval. This course is a study of the design and operation of suspension and steering systems used in the automotive industry. It includes the use of diagnostic equipment and making component repairs on current automobiles.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 129 3 HRS. (OC)

AUTOMOTIVE AIR CONDITIONING SYSTEMS

Prerequisite: Department approval. This course is an introduction into the basic theory and principles of air conditioning as they relate to automotive applications. Use of test equipment to diagnose and repair malfunctions, including repair of component parts and the charging and recharging of systems will be stressed in the laboratory. Manufacturers' specifications will be utilized in performing standard service operations. Automotive engine cooling systems are also covered in the course.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 201 4 HRS. (OC) ENGINE MACHINING AND REBUILDING

Prerequisite: AUTO 110 with a grade of "C" or better; within five years of registration for this course. This course consists of internal engine design, diagnosis and rebuilding. Emphasis will be placed upon cylinder, cylinder head, crankshaft, and bearing repair.

Lecture Hours: 2 Laboratory Hours: 6

AUTO 204 3 HRS. (OC) AUTOMOTIVE BRAKE SYSTEMS

Prerequisite: Department approval. This course is a study of the design and operation of brake systems used in the automotive industry. It includes the use of diagnostic equipment and making component repairs on current automobiles.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 213 3 HRS. (OC) ENGINE PERFORMANCE AND TESTING

Prerequisite: AUTO 110, AUTO 115, AUTO 201, and AUTO 244 all with a grade of "C" or better, or department approval. This course covers the operation, calibration, and use of measuring instruments in testing internal combustion engines and related equipment. On-the-engine tests such as: brake, horsepower, torque, and fuel consumption are included in the laboratory work.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 218 3 HRS. (OC) MOTOR VEHICLE ELECTRONICS

Prerequisite: AUTO 244 with a grade of "C" or better. This course provides the background needed to diagnose and repair the sophisticated electronics and computerized circuits within the motor vehicles used in the agricultural, heavy equipment and transportation industries. Basic electronic concepts, component function and system operation are covered. Manufacturers' procedures are taught to identify malfunctions and to test the systems properly.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 234 3 HRS. (OC) AUTOMATIC TRANSMISSIONS

Prerequisite: AUTO 117 with a grade of "C" or better. This course explores the transmission of power from the internal combustion engine by mechanical and hydraulic means. Problems in design and application are solved. The laboratory experience includes inspection, dis-assembly, and repair of automatic transmissions, torque converters and trans-axles.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 243 4 HRS. (OC) SHOP PRACTICES

Prerequisite: Department approval. This course is designed to provide an overview of the motor vehicle service industry. The course will examine employment opportunities and job requirements within the sales, service, and parts department of independent shops, mass-merchandisers, vehicle service departments, and franchised dealerships. Local dealers and shop owners as well as their technicians will be utilized in helping the students gain the required knowledge to become successful technicians. Emphasis will be placed on facilities, pricing service labor and parts, accounting, warranty, and supervision of personnel.

Lecture Hours: 2 Laboratory Hours: 6

AUTO 244 3 HRS. (OC)**EMISSIONS AND DRIVEABILITY**

Prerequisite: AUTO 115 with a grade of "C" or better. This course covers the emission control systems used in modern gasoline engines. The use of test equipment and proper repair procedures are emphasized. Drive-ability of the automobile is also covered by studying the interaction of fuel, ignition, and emission systems.

Lecture Hours: 2 Laboratory Hours: 3

AUTO 250 4 HRS. (OC)**AUTOMOTIVE INTERNSHIP**

Prerequisite: Department approval. This supervised experience is required of students enrolled in the Automotive Technology program. Students' needs and objectives determine major emphasis of this course.

Lecture Hours: 0 Laboratory Hours: 20

Banking**BANK 110 3 HRS. (OC)****PRINCIPLES OF BANK OPERATIONS**

This course touches on nearly every aspect of banking from the fundamentals of negotiable instruments to contemporary issues and developments within the industry.

Lecture Hours: 3 Laboratory Hours: 0

BANK 115 3 HRS. (OC)**LAW AND BANKING**

This course is a banker's guide to law and legal issues, with special emphasis on the Uniform Commercial Code.

Lecture Hours: 3 Laboratory Hours: 0

BANK 116 3 HRS. (OC)**LAW AND BANKING APPLICATIONS**

This course provides an introduction to the legal aspects of banking. It is designed to educate the student on the many laws pertaining to secured transactions, letters of credit, and the bank collection process.

Lecture Hours: 3 Laboratory Hours: 0

BANK 120 3 HRS. (OC)**MONEY AND BANKING**

Prerequisite: BANK 110 with a grade of "C" or better or department approval. This course presents a fundamental treatment of how money functions in the U.S. and world economics. Topics include the concept of money supply and the role your bank plays as a money creator and participant in the nation's payment mechanism. The course also explains how the various types of financial institutions operate, the workings of monetary and fiscal policies, the functions and powers of the Federal Reserve, and more.

Lecture Hours: 3 Laboratory Hours: 0

BANK 125 3 HRS. (OC)**ANALYZING FINANCIAL STATEMENTS**

Prerequisite: ACCTG 120 with a grade of "C" or better. This course is designed to give a thorough understanding of financial statements and interpretation so credit can be extended soundly and constructively. The student is introduced to practical problems in financial statement analysis.

Lecture Hours: 3 Laboratory Hours: 0

BANK 212 3 HRS. (OC)**BANK MARKETING**

This course looks at what motivates customers to purchase financial services and teaches bankers how to develop a successful marketing plan. It gives insight to how marketing affects all aspects of banking.

Lecture Hours: 3 Laboratory Hours: 0

Biology**BIOL 106 4 HRS. (OC)****HUMAN BIOLOGY**

This course is designed for the student desiring general knowledge relative to the gross structure and basic functioning of the human body.

Lecture Hours: 3 Laboratory Hours: 2

BIOL 110 4 HRS. (TC)**LIFE SCIENCE (L1 900L)**

Prerequisite: Approved reading placement score, or equivalent. This course introduces the student to the diversity of living organisms, their behavior and ecology with emphasis on population and pollution.

Lecture Hours: 3 Laboratory Hours: 2

BIOL 111 4 HRS. (TC)**CONCEPTS IN BIOLOGY (L1 900L)**

Prerequisite: Approved reading placement score, or equivalent. This course develops an understanding of the biological nature of various organisms including their reproduction, genetics, origin, and evolution.

Lecture Hours: 3 Laboratory Hours: 2

BIOL 114 4 HRS. (TC)**ENVIRONMENTAL BIOLOGY (L1 905L)**

Prerequisite: Approved reading placement score, or equivalent. This course introduces the student to the relationship of humans to their environment based on an understanding of ecological concepts and principles. Topics of study include aspects of ecology, pollution and other environmental issues, with emphasis on current events and possible solutions for the future. Laboratory experiences will employ hands-on exercises and some field experiences.

Lecture Hours: 3 Laboratory Hours: 2

BIOL 115 4 HRS. (TC)**NATIVE PLANTS AND ANIMALS (L1 905L)**

Prerequisite: Approved reading placement score, or equivalent. This course includes field studies of local native plants and animals. It covers identification, classification, collection techniques, natural history, ecology, and animal behavior. Emphasis is on outdoor field work.

Lecture Hours: 2 Laboratory Hours: 4

BIOL 120 4 HRS. (TC)**GENERAL BOTANY**

Prerequisite: Approved reading placement score, or equivalent. This course is a study of the basic principles of plant structure, growth, physiology, reproduction, and adaptations of plants to their environment.

Lecture Hours: 3 Laboratory Hours: 2

BIOL 130 4 HRS. (TC)**GENERAL ZOOLOGY**

Prerequisite: Approved reading placement score, or equivalent, or department approval. This course includes these aspects of the animal kingdom: evolution, classification, survey of invertebrates, survey of vertebrates, ecology and animal behavior.

Lecture Hours: 3 Laboratory Hours: 3

BIOL 140 4 HRS. (TC)**HUMAN ANATOMY AND PHYSIOLOGY**

Prerequisite: Approved reading placement score, or equivalent. This course presents an investigation of human organisms on the cellular, histological, and organ systems level of development. It is intended as a survey of basic anatomy and physiology principles and relationships appropriate for students in certain degree programs. Please check your specific program requirements.

Lecture Hours: 3 Laboratory Hours: 2

**BIOL 150
GENETICS (L1 906)****3 HRS. (TC)**

Prerequisite: Approved reading placement score, or equivalent. This course is an introduction to general genetics with strong human orientation. Included are basic patterns of inheritance, genetic structure and function, genetic defects, genetic control of development and behavior, and the sociological impact of genetics on the future of man.

Lecture Hours: 3 Laboratory Hours: 0

**BIOL 160
BIOPRINCIPLES I (BIO 910, L1 910L)****4 HRS. (TC)**

Prerequisite: Approved reading placement score, or equivalent, and completion of MATH 115 or approved math placement score or department approval. This science majors' course begins a one-year sequence on biology principles. It covers the nature of science, the chemistry of life, cell structure and function, histology, metabolism, cell communication, cell division, reproduction, genetics, and the origin of life. The laboratory is research oriented. The BIOL 160-161 sequence is intended for science majors or other students with department approval.

Lecture Hours: 3 Laboratory Hours: 3

**BIOL 161
BIOPRINCIPLES II (BIO 910, L1 910L)****4 HRS. (TC)**

Prerequisite: BIOL 160 with a grade of "C" or better. This course completes a one-year sequence on biology principles. Topics include diversity of living organisms, evolution, ecology, adaptations and behavior. The research-oriented lab includes writing a scientific paper. The BIOL 160-161 sequence is intended for science majors or other students with department approval.

Lecture Hours: 3 Laboratory Hours: 3

**BIOL 205
PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I****4 HRS. (TC)**

Prerequisite: (#1) Approved reading placement score, or equivalent AND (#2) completion with a grade of "C" or better of CHEM 115 or higher AND BIOL 111 or BIOL 140 or BIOL 160 OR a passing score on the Anatomy & Physiology Placement Test OR department approval. This course studies the structural relationships of the body at the molecular, cellular, tissue, organ, and system levels with an emphasis on the integration of human function. BIOL 205 covers introductory cell biology and cellular physiology and the Integumentary, Nervous, Endocrine, and Reproductive Systems.

Lecture Hours: 3 Laboratory Hours: 2.5

**BIOL 206
PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II****4 HRS. (TC)**

Prerequisite: BIOL 205 or equivalent with a grade of "C" or better. This course is a continuation of BIOL 205 that studies the structural and functional relationships and interdependence of body systems. Laboratory exercises in anatomy and physiology are part of this course. The organ systems covered include: Skeletal, Muscular, Cardiovascular, Respiratory, Lymphatic, Urinary, and Digestive.

Lecture Hours: 3 Laboratory Hours: 2.5

**BIOL 210
MICROBIOLOGY****4 HRS. (TC)**

Prerequisite: Approved reading placement score, or equivalent, AND completion of BIOL 140 or BIOL 160 or BIOL 205 with a minimum grade of "C" or better or department approval. This course involves the study of the cultivation, morphology, physiology, pathology, reproduction, genetics, and control of bacteria. Activities of yeasts, protozoa, algae, and molds, along with investigation of their economic importance, are included.

Lecture Hours: 2 Laboratory Hours: 4

**BIOL 230
VERTEBRATE ZOOLOGY****4 HRS. (TC)**

Prerequisite: BIOL 110, 111, 130, or 160 with a "C" or better or department approval. This course is a study of fish, amphibians, reptiles, birds, and mammals, and covers their anatomy, evolution, physiological ecology, and classification. The laboratory provides intensive anatomical work on several representative species.

Lecture Hours: 3 Laboratory Hours: 3

**BIOL 250
FIELD BIOLOGY (L1 905L)****4 HRS. (TC)**

Prerequisite: Approved reading placement score, or equivalent. This course includes field studies of the biology in various sections of North America. Stress is placed on interdependency of life forms and their association with physical and climatic features of their environment. Students are required to prepare a notebook stressing biological concepts studied. A student must be physically fit for camping and hiking. Often taught concurrently with EASC 250. The three week period will include lecture as well as field studies. Ten hours of class presentation followed by three weeks of field study.

Lecture Hours: 2 Laboratory Hours: 4

Bridge**BRDGE 081****2 HRS. (ABE)****BRIDGE TRANSITIONS:****CAREER & POSTSECONDARY EDUCATION - ABE**

Prerequisite: Reading level of 7.0 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course helps students examine the components of career choice, acquire the skills necessary to obtain employment and succeed in the workplace, and learn how to navigate college services and processes. It is generally offered in conjunction with a contextualized basic skills bridge course and BRDGE 080.

Lecture Hours: 1 Laboratory Hours: 2

BRDGE 082**3 HRS. (ABE)****MANUFACTURING BRIDGE - ABE**

Prerequisite: Reading level of 6.0 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course is designed to provide reading, writing, and math skills instruction using resources and materials related to manufacturing. Students will gain occupational knowledge and skills and be introduced to key concepts and terminology. They will develop the personal, academic, and computer skills needed for study and work in this career pathway. This course does not provide training in a manufacturing-specific occupation. Students will also refine their career goals and research specific interests, as well as receive services to assist with the transition to post-secondary education and/or a career in manufacturing.

Lecture Hours: 3 Laboratory Hours: 0

BRDGE 091**2 HRS. (ASE)****BRIDGE TRANSITIONS:****CAREER & POSTSECONDARY EDUCATION - ASE**

Prerequisite: Reading level of 9.0 or higher on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course helps students examine the components of career choice, acquire the skills necessary to obtain employment and succeed in the workplace, and learn how to navigate college services and processes. It is generally offered in conjunction with a contextualized basic skills bridge course and BRDGE 090.

Lecture Hours: 1 Laboratory Hours: 2

BRDGE 092 3 HRS. (ASE)**MANUFACTURING BRIDGE - ASE**

Prerequisite: Reading level of 9.0 or higher on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course is designed to provide reading, writing, and math skills instruction using resources and materials related to manufacturing. Students will gain occupational knowledge and skills and be introduced to key concepts and terminology. They will develop the personal, academic, and computer skills needed for study and work in this career pathway. This course does not provide training in a manufacturing-specific occupation. Students will also refine their career goals and research specific interests, as well as receive services to assist with the transition to post-secondary education and/or a career in manufacturing.

Lecture Hours: 3 Laboratory Hours: 0

Business**BUS 100 3 HRS. (OC)**
PROFESSIONAL DEVELOPMENT FOR EMPLOYEES

This course prepares the student for initial entry into a career through the study of professional dress, etiquette, customer service, professional behavior and integrity, workplace adjustments, team membership, meeting professional responsibilities, letters of application and resumes, job interviews, and employment tests.

Lecture Hours: 3 Laboratory Hours: 0

BUS 110 3 HRS. (TC)
INTRODUCTION TO BUSINESS

This course covers the factual and informational survey of business designed to give the student a background for understanding the principles and practices governing the operation of modern business.

Lecture Hours: 3 Laboratory Hours: 0

BUS 111 3 HRS. (TC)
INTERNATIONAL BUSINESS

This course introduces the student to the fundamentals and the essentials of international business and improves their understanding of the domestic, foreign, and international business environments in the global marketplace and their impact on the U.S. economy.

Lecture Hours: 3 Laboratory Hours: 0

BUS 112 1 HR. (OC)
INTRODUCTION TO BUSINESS CAREERS

This course provides the student with a knowledge-based understanding of business-related careers. Self-analysis, analysis of business careers, and characteristics that enhance the likelihood of success are included.

Lecture Hours: 1 Laboratory Hours: 0

BUS 115 3 HRS. (TC)
BUSINESS LAW

This course emphasizes formation and application of contract, sales, and secured transactions law as it relates to business situations. Limited discussion is presented on criminal, tort, and agency law.

Lecture Hours: 3 Laboratory Hours: 0

BUS 116 3 HRS. (TC)
BUSINESS LAW

Prerequisite: BUS 115 with a grade of "C" or better. This course is a continuation of BUS 115. Topics include: business organizations, public law, the nature and use of commercial instruments, and personal and real property.

Lecture Hours: 3 Laboratory Hours: 0

BUS 120 3 HRS. (TC)**BUSINESS MATHEMATICS**

Prerequisite: MATH 098 with a grade of "C" or better; or completion of high school Algebra 2 with a grade of "C" or better; or MATH 099 with a grade of "C" or better; or appropriate score on the math placement test; or department approval. This course develops skills in handling mathematics in business transactions, fundamental processes, percentage, discount, interest, profit and loss, payrolls, and taxes, charges for credit, financial statements, insurance, stocks, bonds, metric system, inventories, depreciation, statistics and annuities.

Lecture Hours: 3 Laboratory Hours: 0

BUS 121 3 HRS. (OC)
PRINCIPLES OF CUSTOMER SERVICE

This course focuses on the importance of customer service, perception, and satisfaction, and the application of various customer relation systems in the marketplace. The course is designed to promote an understanding of the principles of customer service in general and how the application of customer service specifically contributes to positive customer perception and the success of business. Emphasis is placed on the importance of excellence in service to retain customers and gain a competitive advantage.

Lecture Hours: 3 Laboratory Hours: 0

BUS 141 0.5 HRS. (OC)
SPECIAL TOPICS

This special topics course will vary to allow an examination of various topics of interest in the business area. Each section offered will present a unique topic of value to students in business. This course may be repeated three times if the topic and content are different. Lecture hours per week will vary depending upon the credit given and course content in each section offered.

Lecture Hours: 0.5 - 3 Laboratory Hours: 0

BUS 151 2 HRS. (OC)
JOB ORIENTATION

This course employs a series of activities designed to identify and improve skills sought by employers of job candidates and current employees in the workplace. Presented in a workshop format, each session is devoted to one or more group activities focused on the development and/or refinement of a specific job skill. The class culminates in group presentations that require the members of each group to use all of the skills practiced during the course.

Targeted skills include, but are not limited to: communication; teamwork; problem-solving; decision-making; and data analysis and presentation.

Lecture Hours: 2 Laboratory Hours: 0

BUS 200 3 HRS. (OC)
HUMAN RELATIONS IN BUSINESS

This course examines the problems of discipline, motivation, communications, authority, social change, and teamwork through case studies.

Lecture Hours: 3 Laboratory Hours: 0

BUS 203 4 HRS. (TC)
BUSINESS STATISTICS (BUS 901)

Prerequisite: MATH 115 with a grade of "C" or better or MATH 134 with a grade of "C" or better. This course includes the basic concepts of statistical analysis used in business decision making, including probability and how uncertainty is dealt with in real life. The student will analyze and work out simple problems and should be able to recognize applications of different statistical techniques, interpret the results of analyses, and recognize instances in which statistical techniques have been misused. The following concepts and statistical techniques are included: measures of central tendency and variability; random variables and probability distributions; binomial, normal and sampling distributions; estimation; test of hypotheses; chi square tests; linear regression and correlation; and one-way analysis of variance.

Lecture Hours: 4 Laboratory Hours: 0

BUS 215 3 HRS. (TC)**LEGAL ENVIRONMENT OF BUSINESS**

This course provides the student with an overview of the legal environment within which business must operate. Appropriate public and private law topics are discussed. Legislative and administrative processes are discussed as well as public and private litigation procedures. Specific topics include: Constitutional law, torts, contracts, criminal, property, social and ethical responsibilities, employment law, administrative procedures and rules.
Lecture Hours: 3 Laboratory Hours: 0

BUS 220 3 HRS. (TC)**INTRODUCTION TO BUSINESS FINANCE**

Prerequisite: ACCTG 101 or ACCTG 120 either with a grade of "C" or better or department approval. This course is designed to develop an understanding of the principles, methods and problems relevant to obtaining, controlling, and using capital and working funds in the operation of a business. The course exposes the student to both theory and problems related to financial analysis and financial management.
Lecture Hours: 3 Laboratory Hours: 0

BUS 230 3 HRS. (OC)**PRINCIPLES OF INVESTMENTS**

This course covers the principles and problems of personal investing. It covers the risks and returns associated with stocks, bonds, savings accounts, real estate and more speculative investments. It also includes a discussion of external factors, such as tax laws the individual needs to investigate before making an investment.
Lecture Hours: 3 Laboratory Hours: 0

BUS 240 3 HRS. (TC)**PERSONAL FINANCE**

This course provides the student with a study of contemporary personal finance issues facing all individuals in today's modern society. Specific topics of study include the management of cash and savings, asset ownership, borrowing and credit, insurance, investments, and income and estate planning.
Lecture Hours: 3 Laboratory Hours: 0

BUS 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. This course is repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15

BUS 260 3 HRS. (OC)**BUSINESS INTERNSHIP**

Prerequisite: BUS 100 with grade of "C" or better, or department approval. The business student-intern will gain experience within the field to further develop business skills. An individual training plan is created by the internship site supervisor, intern, and internship coordinator. The intern will complete on-the-job work experience in business and attend a one lecture hour per week class session.
Lecture Hours: 1 Laboratory Hours: 15

Caterpillar Dealer Service Technology**CATTK 110 4 HRS. (OC)****CATERPILLAR ENGINE FUNDAMENTALS**

Prerequisite: Department approval. This course discusses the principles of compression ignited internal combustion engines and variations in design. Caterpillar engines will be used in the class.
Lecture Hours: 2 Laboratory Hours: 6

CATTK 111 2 HRS. (OC)**INTRODUCTION TO CATERPILLAR SERVICE INDUSTRY**

Prerequisite: Department approval. This course provides instruction and laboratory experience in shop safety, shop operation and how to obtain Caterpillar service information.
Lecture Hours: 1 Laboratory Hours: 3

CATTK 112 3 HRS. (OC)**FUNDAMENTALS OF HYDRAULICS**

Prerequisite: Department approval. This course is a practical study of the basic principles and components of hydraulic circuits and the application of these principles to Caterpillar agricultural and construction equipment machines. Major emphasis is on developing student competencies in the areas of servicing and maintaining hydraulic equipment. Laboratory practices include disassembly and reassembly of components and tracing circuits.
Lecture Hours: 2 Laboratory Hours: 3

CATTK 113 3 HRS. (OC)**CATERPILLAR ENGINE FUEL SYSTEMS**

Prerequisite: CATTK 110 with a grade of "C" or better and department approval. This course is a study of combustion chamber design, Caterpillar fuel injection systems, diagnosing faults in fuel injection and combustion systems.
Lecture Hours: 2 Laboratory Hours: 3

CATTK 114 3 HRS. (OC)**FUNDAMENTALS OF ELECTRICAL SYSTEMS**

Prerequisite: Department approval. This course is designed to include electrical concepts as they apply to electrical systems. It will include the use of electrical test equipment to diagnose electrical problems found on Caterpillar equipment and engines.
Lecture Hours: 2 Laboratory Hours: 3

CATTK 115 2 HRS. (OC)**AIR CONDITIONING**

Prerequisite: Department approval. This course provides an introduction into the basic theory and principles of air conditioning as they relate to Caterpillar equipment and engines. Use of test equipment to diagnose and repair malfunctions, including repair of component parts and the charging and recharging of systems, will be stressed in the laboratory.
Lecture Hours: 1 Laboratory Hours: 3

CATTK 116 3 HRS. (OC)**FUNDAMENTALS OF TRANSMISSIONS & TORQUE CONVERTERS**

Prerequisite: CATTK 112 with a grade of "C" or better and department approval. This course is a study of the various transmissions and differential used in Caterpillar equipment, including constant mesh, sliding gear, hydrostatic, synchromesh, and the newer transmissions involving planetary sets. An understanding of the operation, maintenance, and adjustment of the clutch and brakes will be an integral part of this course.
Lecture Hours: 2 Laboratory Hours: 3

CATTK 117 3 HRS. (OC)
MACHINE HYDRAULIC SYSTEMS
 Prerequisite: CATTK 112 with a grade of "C" or better and department approval. This course is designed for inspecting, testing, and servicing, and diagnosing Caterpillar hydraulic circuits, systems, and components. Appropriate testing procedures and equipment will be utilized.
 Lecture Hours: 2 Laboratory Hours: 3

CATTK 150 4 HRS. (OC)
INTERNSHIP I
 Prerequisite: Department approval. This supervised experience is required of students enrolled in the Caterpillar Dealer Service Technology curriculum. The placement experience is obtained through the cooperation of an employer. Student's needs and objectives determine major emphasis. Forty hours per week.
 Lecture Hours: 0 Laboratory Hours: 40

CATTK 151 4 HRS. (OC)
INTERNSHIP II
 Prerequisite: CATTK 150 with a grade of "C" or better and department approval. This supervised experience is required of students enrolled in the Caterpillar Dealer Service Technology curriculum. The placement experience is obtained through the cooperation of an employer. Student's needs and objectives determine major emphasis. Forty hours per week.
 Lecture Hours: 0 Laboratory Hours: 40

CATTK 200 3 HRS. (OC)
UNDERCARRIAGE/FINAL DRIVES
 Prerequisite: Department approval. This course is designed to study the various driveline systems found on Caterpillar equipment. The course content will cover brakes, suspension, undercarriage, and steering components.
 Lecture Hours: 2 Laboratory Hours: 3

CATTK 201 3 HRS. (OC)
MACHINE ELECTRONIC SYSTEMS
 Prerequisite: CATTK 114 with a grade of "C" or better and department approval. This course provides the background needed to diagnose and repair the sophisticated electronics and computerized circuits found on Caterpillar equipment and engines. Basic system operation, electronic concepts, and component function are covered. Caterpillar procedures are taught to identify malfunctions and to test the systems properly.
 Lecture Hours: 2 Laboratory Hours: 3

CATTK 202 2 HRS. (OC)
CATERPILLAR ENGINE PERFORMANCE
 Prerequisite: CATTK 113 and 201 with a grade of "C" or better and department approval. This course provides a thorough understanding of the necessary diagnostic skills required for troubleshooting Caterpillar engines and fuel systems. Emphasis will be placed upon knowledge and skills necessary to assure product reliability and performance.
 Lecture Hours: 1 Laboratory Hours: 3

CATTK 203 1 HR. (OC)
DIAGNOSTIC TESTING
 Prerequisite: CATTK 110 and CATTK 114 both with a grade of "C" or better. This is a course that studies the practical use of diagnostic equipment for analyzing and repairing Caterpillar machine and engine systems. Emphasis is placed on Applied Failure Analysis.
 Lecture Hours: 1 Laboratory Hours: 0

CATTK 204 4 HRS. (OC)
MACHINE SPECIFIC SYSTEMS
 Prerequisite: CATTK 117 and 201 with a grade of "C" or higher and department approval. This is a course to develop knowledge and skills used to test and adjust specific Caterpillar machine systems.
 Lecture Hours: 2 Laboratory Hours: 6

CATTK 250 4 HRS. (OC)
INTERNSHIP III
 Prerequisite: CATTK 151 with a grade of "C" or higher and department approval. This supervised experience is required of students enrolled in the Caterpillar Dealer Service Technology curriculum. The placement experience is obtained through the cooperation of an employer. Student's needs and objectives determine major emphasis. Forty hours per week.
 Lecture Hours: 0 Laboratory Hours: 40

CATTK 251 4 HRS. (OC)
INTERNSHIP IV
 Prerequisite: CATTK 250 with a grade of "C" or better and department approval. This supervised experience is required of students enrolled in the Caterpillar Dealer Service Technology curriculum. The placement experience is obtained through the cooperation of an employer. Student's needs and objectives determine major emphasis. Forty hours per week.
 Lecture Hours: 0 Laboratory Hours: 40

CATTK 255 1 HR. (OC)
INDEPENDENT STUDY
 Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted for approval and remains on file within the department, together with a final report submitted to the faculty member by the student. This course is repeatable up to a maximum of five semester hours of credit.
 Lecture Hours: 0 Laboratory Hours: 3 - 15

Chemistry

CHEM 094 3 HRS. (BEC)
INTRODUCTION TO CHEMISTRY
 Prerequisite: Concurrent enrollment in MATH 098 or higher. This course is designed as an introduction to basic chemistry principles as preparation for additional course work in chemistry. Recommended for students with minimal math preparation and without a year of high school chemistry. The course includes the use of the scientific calculator, the solution of basic chemical problems, the study of the metric system, fundamental atomic structure, chemical formulas, and chemical equations. This course is repeatable up to a maximum of three times.
 Lecture Hours: 3 Laboratory Hours: 1

CHEM 110 4 HRS. (TC)
CHEMISTRY AND SOCIETY (P1 903L)
 Prerequisite: Approved reading placement score, or equivalent, and completion of MATH 098 or MATH 099 with a grade of "C" or better or approved math placement score or department approval. This course is intended to establish an understanding of the role of chemistry in modern society by developing the principles of chemistry in the context of their social, environmental, and cultural impact. Typical discussions will include: energy sources and transformations, drugs and health care, agricultural and food chemicals, air and water pollution, toxic wastes and their disposal. At a technical level, it surveys basic principles of chemistry: experimental measurements, matter, chemical symbols, atomic and molecular structure, the chemical bond, temperature, heat and energy conversions, the gas laws, solution chemistry, and basic chemical calculations. Credit will not be granted to those students who have already earned credit in a previous college level chemistry course of comparable or higher level. Recommended as a general education course for liberal arts majors.
 Lecture Hours: 3 Laboratory Hours: 2

CHEM 113 **3 HRS. (TC)**
CHEMISTRY AND GLOBAL ISSUES (P1 903)
 Prerequisite: Approved reading placement score, or equivalent. This course will examine the science behind important, relevant, and sometimes controversial issues facing today's society, such as climate change, food chemistry, agriculture, and energy. The material will be approached from the perspective of a non-science major but will be of interest and value to science majors and non-majors alike.
 Lecture Hours: 3 Laboratory Hours: 0

CHEM 115 **4 HRS. (TC)**
FOUNDATIONS OF CHEMISTRY (P1 902L)
 Prerequisite: Approved reading placement score, or equivalent, and completion of MATH 098 or MATH 099 or MATH 115 or higher with a grade of "C" or better or approved math placement score, or department approval. This course is a one-semester survey of General, Organic, and Biological Chemistry. It covers atomic structure, chemical bonding, solutions, organic functional groups, compounds of physiological importance, and metabolic pathways. Mathematical treatment and problem solving are expected in the first part of the course. Recommended for students in dental hygiene and other health-related occupations.
 Lecture Hours: 3 Laboratory Hours: 2

CHEM 120 **4 HRS. (TC)**
PRINCIPLES OF CHEMISTRY I (P1 902L)
 Prerequisite: Approved reading placement score, or equivalent, and completion of MATH 098 with a grade of "C" or better or approved math placement score, or department approval. This course is a study of the fundamental principles governing the behavior of matter. Topics include atomic structure, stoichiometry, chemical bonding, equilibrium and solutions. Recommended for students enrolled in four-year programs in such fields as nursing (BSN) and allied health professions, agriculture, family and consumer science, computer science, prerequisite for general chemistry sequence (CHEM 130 / CHEM 132), or as a general education course. The important mathematical skills involved in basic chemistry are developed, but overall there is less mathematical emphasis than in CHEM 130.
 Lecture Hours: 3 Laboratory Hours: 3

CHEM 122 **4 HRS. (TC)**
PRINCIPLES OF CHEMISTRY
 Prerequisite: CHEM 120 with a grade of "C" or better or department approval. This course is a continuation of CHEM 120. The main focus of this course is on organic and biochemistry.
 Lecture Hours: 3 Laboratory Hours: 3

CHEM 130 **4 HRS. (TC)**
GENERAL CHEMISTRY (CHM 911, P1 902L)
 Prerequisite: Approved reading placement score, or equivalent, and completion of one year of high school chemistry with a grade "C" or better or CHEM 120 with a grade of "C" or better and completion of MATH 115 with a "C" or better or approved math placement score. This course is a study of fundamental chemistry principles, including atomic structure, chemical bonding, solutions, and reaction stoichiometry with an emphasis on understanding how atomic structure determines the physical and chemical properties of matter. Recommended for pre-professional, engineering, and chemistry majors.
 Lecture Hours: 3 Laboratory Hours: 3

CHEM 131 **3 HRS. (TC)**
GENERAL CHEMISTRY
 Prerequisite: CHEM 130 with a grade of "C" or better or department approval. This course is a continuation of CHEM 130. The course includes ionic equilibrium, electrochemistry, thermochemistry, nuclear chemistry, and survey of the elements.
 Lecture Hours: 3 Laboratory Hours: 0

CHEM 132 **4 HRS. (TC)**
GENERAL CHEMISTRY (CHM 912)
 Prerequisite: CHEM 130 with a grade of "C" or better or department approval. This course is a continuation of CHEM 130. It includes chemical kinetics, ionic equilibrium, electrochemistry, thermochemistry, nuclear chemistry, and a survey of the elements. Laboratory includes semi-micro qualitative analysis.
 Lecture Hours: 3 Laboratory Hours: 3

CHEM 210 **4 HRS. (TC)**
FUNDAMENTALS OF ANALYTICAL CHEMISTRY
 Prerequisite: Completion of CHEM 132 or equivalent with a grade of "C" or better. This course is a study of the fundamental theory and practical aspects of the traditional and modern areas of chemical analysis methods. The course covers traditional topics such as sample preparation, data collection and analysis. The course also covers the three major areas of modern instrumental methods of analysis: spectroscopy, separations, and electrochemistry. The course will emphasize the physical and chemical principles upon which analytical techniques are based, how analytical instruments and their components operate, and how these techniques can be used to solve analytical problems.
 Lecture Hours: 3 Laboratory Hours: 3

CHEM 220 **5 HRS. (TC)**
ORGANIC CHEMISTRY (CHM 913)
 Prerequisite: CHEM 122 or 132 with a grade of "C" or better. This is the first semester of a two-semester sequence. It includes a study of the structure, nomenclature, reactivity, and synthesis of organic compounds. Reaction mechanisms and stereochemistry are emphasized. The laboratory includes macro and micro scale techniques and synthesis. Gas and liquid chromatography as well as infrared instrumentation are used to identify synthesized compounds.
 Lecture Hours: 4 Laboratory Hours: 3

CHEM 230 **4 HRS. (TC)**
ORGANIC CHEMISTRY (CHM 914)
 Prerequisite: CHEM 220 with a grade of "C" or better or equivalent. This course is a continuation of CHEM 220; which includes chemistry involving alkenes, delocalized pi systems and benzene, carbonyl and carboxylate systems and concludes with amine chemistry. The laboratory includes multi-step synthesis, the utilization of NMR and GC-MS instrumentation to aid in structure elucidation, and the continued emphasis on chromatographic techniques.
 Lecture Hours: 3 Laboratory Hours: 3

Child Development

CHILD 110 **3 HRS. (OC)**
INTRODUCTION TO EARLY CHILDHOOD
 Prerequisite: Approved reading placement score, or equivalent. This survey course provides an overview of early childhood care and education including historical and cultural perspectives, organization, structure, programming, and evidence-based practices. Professional and evidence-based practices of highly qualified early childhood educators are outlined with an emphasis on their ability to enhance development and learning of each and every child between the ages of birth and eight. Considerations for diversity of culture, language, race, socioeconomic status, gender, ethnicity, and ability will be included. This course includes ten hour-long field experiences outside of class time and requires a current ICC background check. Successful completion of this course applies toward Gateways ECE Level 2, 3, and 4 Credential.
 Lecture Hours: 3 Laboratory Hours: 0

CHILD 120 3 HRS. (TC)**GROWTH AND DEVELOPMENT OF THE YOUNG CHILD**

Prerequisite: Approved reading placement score, or equivalent. This course provides an overview of the theory and principles of human growth and development from conception to age eleven. Content includes an in-depth study of the inter-relatedness of social, emotional, physical, and cognitive aspects of development. Development is studied in the context of family, gender, culture, language, ability, socioeconomic, diversity, and society. Special emphasis will be the theories of Piaget, Vygotsky, Erikson, and Gardner. Field observations are required outside of class time. Successful completion of this course applies toward Gateways ECE Level 2, 3, and 4 Credential.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 130 3 HRS. (OC)**CURRICULUM FOR EARLY CHILDHOOD PROGRAMS**

Prerequisite: CHILD 110 and CHILD 120 both with a grade of "C" or better or department approval. The principals involved in planning, implementing, and evaluating developmentally appropriate, evidence-based curriculum for young children are studied. The course focuses on relationships among developmental theory, philosophy, practice, and development of curriculum based on the needs and interests of young children, including those who are culturally, linguistically, and ability diverse. The analysis of a wide range of early childhood curriculum models is emphasized. This course includes field experiences to be completed outside of class time, and requires a current ICC background check. Successful completion of this course applies toward Gateways ECE Level 2, 3, and 4 Credentials.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 132 3 HRS. (OC)**INFANT-TODDLER CARE AND EDUCATION**

Prerequisite: CHILD 130 and CHILD 134 both with a grade of "C" or better or department approval. This course focuses on the relationship-based care and education of infants and toddlers, their growth and development, and programs serving infants, toddlers, and their families. Content is based on theoretical and research foundations. Students will observe and interact with infants and toddlers through ten hour-long field experiences outside of class time, requiring a current ICC background check. Successful completion of this course applies toward Gateways Infant-Toddler Level 3 Credential.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 134 3 HRS. (OC)**OBSERVATION AND ASSESSMENT OF YOUNG CHILDREN**

Prerequisite: CHILD 110 and CHILD 120 both with a grade of "C" or better, or department approval. This course is designed to demonstrate to the student how to do authentic, alternative, classroom-based assessment on young children and how to appropriately use standardized test information. The course will further provide the student with the knowledge and skills to interpret and use the information gained to plan curriculum that is responsive to and supportive of children's learning and development. Students will have the opportunity to engage in assessment processes through means of classroom observations, providing each student with a stronger understanding of child development skills. Students learn about and explore a variety of age, individually, linguistically and culturally appropriate formal and informal assessments to gather and share information on each child's skills, abilities, interests and needs, birth through age 8. Student will spend ten hours of field experiences outside of class time, requiring current background check through ICC. Successful completion of this course applies toward Gateways ECE Level 2, Level 3, and Level 4 Credentials.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 140 3 HRS. (OC)**CHILD, FAMILY, AND COMMUNITY**

Prerequisite: Approved reading placement score. This course focuses on the diverse needs of the child within the context of family, school and community. The course will examine the interplay of diverse cultures, lifestyles, abilities, language and communication with the role of the early childhood environment and other community institutions. Students will gain an understanding of their professional role in supporting evidence-based practices that strengthen respectful, collaborative family/child partnerships through effective use of community and family resources. Successful completion of this course applies toward Gateways ECE Level 2, Level 3, and Level 4 Credentials.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 142 3 HRS. (OC)**HEALTH, SAFETY, AND NUTRITION FOR THE YOUNG CHILD**

Prerequisite: CHILD 110 and CHILD 120 both with a grade of "C" or better or department approval. This course provides an overview of the health, safety and nutritional needs of young children and early childhood practices to ensure the health and well-being of each child in a group setting. Content includes roles and responsibilities of adults in meeting children's diverse needs, the promotion of healthy life style practices, understanding common childhood illnesses and injuries, meeting health, nutrition and safety standards, and planning nutritious meals that are appropriate for each child. Successful completion of this course applies toward Gateways ECE Level 2, Level 3, and Level 4 Credentials.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 220 3 HRS. (OC)**MATH METHODS IN EARLY CHILDHOOD**

Prerequisite: CHILD 130 with a grade of "C" or better. This course is an exploration and examination of developmental theory and research, as well as principles, methods, and materials as they apply to mathematics teaching and learning in early childhood settings, birth through kindergarten. This course includes field experiences to be completed outside of class time, requiring current background check through ICC. Successful completion of this course applies toward Gateways ECE Level 3 and 4 Credential.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 222 3 HRS. (OC)**FINE ARTS AND SOCIAL STUDIES IN EARLY CHILDHOOD**

Prerequisite: CHILD 130 and CHILD 134 both with a grade of "C" or better, or department approval. This course is an exploration and examination of developmental theory and research, as well as principles, methods, and materials as they apply to fine arts and social studies teaching and learning in early childhood settings, birth through kindergarten. This course includes field experiences to be completed outside of class time, requiring current background check through ICC. Successful completion of this course applies toward Gateways ECE Level 4 Credential.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 224 2 HRS. (OC)**SCIENCE METHODS FOR EARLY CHILDHOOD EDUCATION**

Prerequisite: CHILD 130 and CHILD 134. This course is an exploration and examination of developmental theory and research, as well as principles, methods, and materials as they apply to science teaching and learning in early childhood settings, birth through kindergarten. This course includes field experiences to be completed outside of class time and requires a valid, current ICC background check. Successful completion of this course applies toward Gateways ECE Level 4 Credential.

Lecture Hours: 2 Laboratory Hours: 0

CHILD 225 **3 HRS. (OC)**
GUIDING SOCIAL AND EMOTIONAL DEVELOPMENT
IN EARLY CHILDHOOD

Prerequisite: CHILD 130 and CHILD 134 both with a grade of "C" or better. This course focuses on developmentally appropriate, evidence-based approaches and positive guidance strategies for supporting the psychosocial development and prosocial behaviors of each child. The course emphasizes supportive interactions and developmentally appropriate environments; uses assessment to analyze and guide behaviors; and studies the impact of diversity (cultural, linguistic, and ability) and family on the guidance of children, birth to age 8. This course includes field experiences outside of class time and requires a current ICC background check. Successful completion of this course applies toward Gateways ECE Level 4 Credential.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 231 **3 HRS. (TC)**
LITERATURE FOR CHILDREN

Prerequisite: Approved reading placement score. This course examines genres of children's literature. It considers plot, narration, character development, setting, and theme in age-appropriate literature. Successful completion of this course applies toward Gateways ECE Level 4 Credential.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 232 **3 HRS. (TC)**
LANGUAGE AND LITERACY DEVELOPMENT
IN EARLY CHILDHOOD

Prerequisite: CHILD 120 with a grade of "C" or better, or department approval. This course involves a comprehensive study of the acquisition of spoken and written language from infancy through adolescence. Bilingual development is included. This course includes field experiences to be completed outside of class time and requires a current ICC background check. Successful completion of this course applies toward Gateways ECE Level 4 Credential.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 235 **3 HRS. (TC)**
TEACHING DIVERSE POPULATIONS

Prerequisite: CHILD 120 with a grade of "C" or better, or department approval. This course explores theories and processes for understanding and working with culturally diverse groups in educational settings, and implications for educational programs for children from birth to eight years. This course includes field experiences outside of class time and requires a current ICC background check. Successful completion of this course applies toward Gateways ECE Level 4 Credential.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 240 **3 HRS. (OC)**
CHILD DEVELOPMENT PRACTICUM I

Prerequisite: Department approval. This course deals with the practical application of evidence-based practices based on early childhood education principles and theories. Students work with diverse young children and families in high-quality, culturally, linguistically, and ability diverse early childhood settings under the supervision of a site supervisor and a college course work supervisor. Student will spend ninety hours of field experience in an assigned early childhood setting, requiring current background check through ICC. Successful completion of this course applies toward Gateways ECE Level 2, Level 3, and Level 4 Credentials.

Lecture Hours: 1 Laboratory Hours: 6

Chinese

CHN 110 **4 HRS. (TC)**
ELEMENTARY MANDARIN CHINESE I

Prerequisite: Approved reading placement score, or equivalent or department approval. This course is an introduction to Mandarin Chinese. It is designed to develop four basic skills in Mandarin Chinese: listening, speaking, reading, and writing.

Lecture Hours: 4 Laboratory Hours: 0

CHN 111 **4 HRS. (TC)**
ELEMENTARY MANDARIN CHINESE II

Prerequisite: CHN 110 with a grade of "C" or better or equivalent. This course is a continuation of CHN 110 with emphasis on listening, speaking, reading, and writing. The course is conducted primarily in Mandarin Chinese.

Lecture Hours: 4 Laboratory Hours: 0

CHN 210 **4 HRS. (TC)**
INTERMEDIATE MANDARIN CHINESE III

Prerequisite: CHN 111 with a grade of "C" or better or equivalent. This course is designed to develop integrated skills in reading, writing, listening, and speaking. The course is conducted primarily in Mandarin Chinese.

Lecture Hours: 4 Laboratory Hours: 0

CHN 211 **4 HRS. (TC)**
INTERMEDIATE MANDARIN CHINESE IV (H1 900)

Prerequisite: Approved reading placement score, or equivalent, and CHN 210 with a grade of "C" or better or equivalent. This course is a continuation of CHN 210 with emphasis on advanced conversation, reading, and composition. The course is conducted primarily in Mandarin Chinese.

Lecture Hours: 4 Laboratory Hours: 0

Communication

COMM 110 **3 HRS. (TC)**
INTRODUCTION TO COMMUNICATION:
PRESENTATION AND THEORY (C2 900)

Prerequisite: Approved reading placement score, or equivalent. This course provides the foundations for theoretical understanding about interpersonal communication, intercultural communication, group communication, nonverbal communication, verbal communication, intrapersonal communication, and rhetorical strategies. The course also provides practical application in public speaking and group membership.

Lecture Hours: 3 Laboratory Hours: 0

COMM 113 **3 HRS. (TC)**
BUSINESS AND PROFESSIONAL SPEAKING

This course is designed to help students by providing them with a variety of practical communication experiences in business and professional settings. Such experiences may include: communicating with diverse cultures, managing work conflict, career interviews, leading teams, conducting meetings, problem-solving discussions, and a variety of business-style presentations.

Lecture Hours: 3 Laboratory Hours: 0

COMM 115 **3 HRS. (TC)**
INTRODUCTION TO PUBLIC RELATIONS

This course provides an overview of the practices, theories, ethics, issues and problems facing public relations, and it allows the student to develop an appreciation for and an understanding of the Public Relations(PR) field.

Lecture Hours: 3 Laboratory Hours: 0

COMM 116 3 HRS. (TC)**ORAL INTERPRETATION**

This course is an analysis of the literary forms of prose, poetry and drama for the purpose of orally recreating the author's intellectual and emotional intentions and of communicating those insights to an audience through controlled use of voice and body. Emphasis is placed on selection and preparation of materials as well as presentation. This course is acceptable as humanities credit.

Lecture Hours: 3 Laboratory Hours: 0

COMM 118 1 HR. (TC)**COMMUNICATION PRACTICUM I**

Prerequisite: Department approval. This course offers the student practical experience in a wide variety of communication activities which may include forensics competition, tournament work and various communication workshops.

Lecture Hours: 0 Laboratory Hours: 2

COMM 119 1 HR. (TC)**COMMUNICATION PRACTICUM II**

Prerequisite: Department approval. This course offers the student practical experience in a wide variety of communication activities which may include forensics competition, tournament work and various communication workshops.

Lecture Hours: 0 Laboratory Hours: 2

COMM 120 3 HRS. (TC)**INTERPERSONAL COMMUNICATION**

Prerequisite: Approved reading placement score or equivalent. This course explores the non-presentational side of communication. It is designed to help a student improve the skills necessary for more effective and more efficient day-to-day communication. This course is recommended for any student who wishes to sharpen person-to-person communication skills and for students majoring in communication.

Lecture Hours: 3 Laboratory Hours: 0

COMM 126 1 HR. (TC)**THE LISTENING LEARNER**

This course introduces the student to the ideals and skills involved in effective listening, as well as to provide the student with an appreciation of the nature and uses of effective listening in college and public life. The student will be expected to acquire and utilize the knowledge and skills necessary for effective listening as a learner and as a member of society.

Lecture Hours: 1 Laboratory Hours: 0

COMM 127 1 HR. (TC)**COMMUNICATION APPREHENSION**

This course introduces the student to the nature and purpose of communication apprehension and the extent of its presence in daily interactions, as well as provide the student with knowledge and an appreciation of the ideas and skills involved in overcoming communication apprehension. The student will be expected to acquire and utilize the knowledge and skills necessary for effective communication on all levels of social interaction.

Lecture Hours: 1 Laboratory Hours: 0

COMM 128 1 HR. (TC)**COMMUNICATION IN DIVERSE CULTURES**

This course introduces the student to the ideals and skills involved in communication effectiveness needed between diverse cultures, including the college environment. The student will be expected to acquire and utilize the knowledge and skills necessary for effective communication on all levels of social interaction.

Lecture Hours: 1 Laboratory Hours: 0

COMM 155 1 HR. (TC)**COMMUNICATION INTERNSHIP I**

Prerequisite: Department approval. This course is designed to provide the student with an on-site educational work experience. The student will work an arranged number of hours per week at an appropriate location under the supervision of a communication professional. The student will work at least 75 hours per credit hour earned, plus weekly meetings with a college supervising professor.

Lecture Hours: 0 Laboratory Hours: 5 - 15

COMM 203 3 HRS. (TC)**SMALL GROUP COMMUNICATION (MC902)**

Prerequisite: COMM 110 OR COMM 212 with a grade of "C" or better or department approval. This course introduces the student to the principles and skills of effective group communication. The course will give the student practical experience in working within the group framework and executing group presentations. The student is expected to acquire and demonstrate the basic knowledge and skills necessary for effective group communication.

Lecture Hours: 3 Laboratory Hours: 0

COMM 204 3 HRS. (TC)**INTERCULTURAL COMMUNICATION**

Prerequisite: Approved reading placement score, or equivalent. This course is designed to study how culture affects the process of communication including values, beliefs, behaviors, norms, bias, and linguistic, verbal and nonverbal differences among cultures. The course further examines ethnocentrism and globalization with a focus on understanding and adapting to cultural differences. Studies focus on major theories of intercultural communication and practical approaches to communicating more effectively with individuals from other cultures.

Lecture Hours: 3 Laboratory Hours: 0

COMM 212 3 HRS. (TC)**PUBLIC SPEAKING (C2 900)**

Prerequisite: Approved reading placement score, or equivalent. This course is designed to provide the student with training and experience in the preparation and execution of various types of public address. In addition, the course seeks to provide the student with knowledge of and an appreciation of rhetorical analysis and criticism. The diversity of the course curriculum makes the course highly useful to students of all majors.

Lecture Hours: 3 Laboratory Hours: 0

COMM 218 1 HR. (TC)**COMMUNICATION PRACTICUM III**

Prerequisite: Department approval. This course offers the student practical experience in a wide variety of communication activities which may include forensics competition, tournament work and various communication workshops.

Lecture Hours: 0 Laboratory Hours: 2

COMM 219 1 HR. (TC)**COMMUNICATION PRACTICUM IV**

Prerequisite: Department approval. This course offers the student practical experience in a wide variety of communication activities which may include forensics competition, tournament work and various communication workshops.

Lecture Hours: 0 Laboratory Hours: 2

COMM 222 3 HRS. (TC)**READERS THEATRE**

This course concentrates on the study of various styles and techniques of Oral Interpretation in Readers' Theatre. The presentation produced by the class will be toured through the area schools, civic organizations, and presented at ICC. Areas of concern are on vocal development, interpretive approach to literature and imaginative presentation. Three lecture hours per week and additional rehearsals and productions as scheduled.

Lecture Hours: 3 Laboratory Hours: 0

COMM 245 3 HRS. (TC)**INTRODUCTION TO COMMUNICATION THEORY**

Prerequisite: COMM 110 or COMM 212 with a grade of "C" or better or department approval. This course introduces communication theories and applies theories to a number of concepts including relationships, the media, and culture. The theories are designed to improve one's understanding of self and others. Theories will also be applied to groups, the public, and a variety of messages and situations.

Lecture Hours: 3 Laboratory Hours: 0

COMM 248 1 HR. (TC)**SPECIAL TOPICS IN PUBLIC RELATIONS**

Prerequisite: COMM 115 with a grade of "C" or better or department approval. This course is a special topics course that will be adjusted on an on-going basis in order to address current events and issues affecting public relations. The primary goal of the course is to allow for examination of various topics addressed by public relations practitioners including crisis communication, event planning, political campaign analysis, as well as addressing how scandals affect both corporate and individual image using examples taken directly from today's headlines. This course may be repeated up to three times as long as the topic and content are different. The student shall not exceed more than a total of six (6) hours of COMM 248. This course is repeatable up to a maximum of three semester hours of credit.

Lecture Hours: 1 - 3 Laboratory Hours: 0

COMM 255 1 HR. (TC)**COMMUNICATION INTERNSHIP II**

Prerequisite: Department approval. This course is designed to provide the student with an on-site educational work experience. The student will work an arranged number of hours per week at an appropriate location under the supervision of a communication professional. The student will work at least five hours per week per credit hour received or equivalent plus weekly meetings with a college supervising professor.

Lecture Hours: 0 Laboratory Hours: 5 - 20

Computer Management-Cisco**CMCIS 147 4 HRS. (OC)****FUNDAMENTALS OF VOICE AND DATA CABLING I**

This course is designed to provide students with classroom and laboratory experiences in order to learn the physical aspects of voice and data network cabling and installation for employment and/or further education and training in the computer networking field. In addition, it will help prepare the student for the Building Industry Consulting Services International (BICSI) Registered Installer, Level I certification. Instruction includes, but is not limited to: safety issues; basic networking; termination of copper, coaxial, and fiber cable; Quality of Service (QoS); rough-in, trim-out, and finish phases; and wireless networking.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 151 4 HRS. (OC)**NETWORK FUNDAMENTALS**

This is the first of four courses designed to provide students with classroom and laboratory experience with basic Cisco Certified Network Associate (CCNA)-level networking skills. Instruction includes but is not limited to: safety, network topologies, network equipment and operating systems, networking protocols and terminology, network standards and models, LANs, WANs, cabling, cabling tools, and IP addressing. Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics, and communications concepts to solve networking problems. In addition, instruction and training are provided in the proper care, maintenance, and use of networking software, tools, and equipment.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 152 4 HRS. (OC)**ROUTING AND SWITCHING ESSENTIALS**

Prerequisite: CMCIS 151 with a grade of "C" or better. This course is designed to provide students with classroom and laboratory experience in basic routing and switching. Instruction includes but is not limited to basic switch and router operations, configuration of static routing and dynamic routing protocols, virtual local area network implementations, and various operations that enable communications across a local area network. This course is the second of four courses that assist in the preparation for the Cisco Certified Network Associate (CCNA) certification by developing skills in core routing and switching technologies for enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 153 4 HRS. (OC)**SCALING NETWORKS**

Prerequisite: CMCIS 152 with a grade of "C" or better. This course is designed to provide students with classroom and laboratory experience with routers and switches in large and complex networks. Instruction includes but is not limited to configuring routers and switches for more advanced functions, a deeper understanding of dynamic routing protocols, network redundancy, and link aggregation. This course is the third of four courses that assist in the preparation for the Cisco Certified Network Associate (CCNA) certification by developing skills in core routing and switching technologies for enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 154 4 HRS. (OC)**WAN COMMUNICATION**

Prerequisite: CMCIS 153 with a grade of "C" or better. This course is designed to provide students with classroom and laboratory experience with WAN technologies and network services required by converged applications in a complex network. Instruction includes but is not limited to an understanding of wide area network technologies, virtual private networks, broadband connections, and security technologies. This is the fourth of four courses that assist in the preparation for the Cisco Certified Network Associate (CCNA) certification by developing skills in core routing and switching technologies for enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 155 1 HR. (OC)**CCNA CERTIFICATION REVIEW**

Prerequisite: CMCIS 154 with a grade of "C" or better or CCNA or department approval. This course will review topics required to successfully pass the Cisco Certified Network Associate professional certification.

Lecture Hours: 1 Laboratory Hours: 0

CMCIS 156 3 HRS. (OC)**CCNA VOICE**

Prerequisite: CMCIS 152 with a grade of "C" or better, CCNA certification or department approval. This Cisco Certified Network Associate (CCNA) specialization course is designed to provide students with classroom and laboratory experience in networking operations specific to IP telephony technologies (VoIP). Instruction includes, but is not limited to a continuation of basic router and switch configurations with a focus on VoIP fundamentals and architecture, traditional telephony operations, call control, and voicemail solutions. Students will also gain valuable hands-on experience with the administration of Cisco Unified Communications Manager Express (CME) and Cisco Unified Communications Manager (CUCM) for use in small office and enterprise-level communication networks. This course assists in the preparation of the CCNA Collaboration certification.

Lecture Hours: 2 Laboratory Hours: 2

CMCIS 157 3 HRS. (OC)**CCNA WIRELESS**

Prerequisite: CMCIS 152 with a grade of "C" or better, CCNA certification or department approval. This Cisco Certified Network Associate (CCNA) specialization course is designed to provide students with classroom and laboratory experience with wireless technologies and architecture. Instruction includes, but is not limited to a continuation of all router and switch configurations with a specific focus on wireless technologies and fundamentals, basic Cisco WLAN installation, wireless clients, security protocols, and wireless network administration. The emphasis of the CCNA Wireless course will be on configuration, implementation and support of wireless LANs using Cisco equipment for use in small, medium, and enterprise installations. This course assists in the preparation for the CCNA Wireless certification.

Lecture Hours: 2 Laboratory Hours: 2

CMCIS 158 3 HRS. (OC)**CCNA SECURITY**

Prerequisite: CMCIS 152 with a grade of "C" or better, CCNA certification or department approval. This Cisco Certified Network Associate (CCNA) specialization course is designed to provide students with classroom and laboratory experience in skills aimed at maintaining the integrity, confidentiality, and availability of data and devices. Instruction includes, but is not limited to a continuation of all router and switch configurations with a specific focus on security fundamentals using Cisco firewall technologies, development of security policies, and techniques to mitigate risks and attacks in small, medium, and enterprise networks. The course will also address abilities to recognize vulnerabilities in networks and detection of potential security threats. This course assists in the preparation for the CCNA Security certification.

Lecture Hours: 2 Laboratory Hours: 2

CMCIS 170 3 HRS. (OC)**CCNA CYBERSECURITY**

Prerequisite: CMCIS 151. This CCNA specialization course is designed to introduce students to core security concepts and skills needed to monitor, detect, analyze and respond to cybercrime, cyberespionage, insider threats, advanced persistent threats, regulatory requirements, and other cybersecurity issues facing organizations. It emphasizes the practical application of the skills needed to maintain and ensure security operational readiness of secure networked systems. This course assists in the preparation for the CCNA Cybersecurity certification.

Lecture Hours: 2 Laboratory Hours: 2

CMCIS 271 4 HRS. (OC)**CCNP ROUTE**

Prerequisite: CMCIS 154 with a grade of "C" or better or CCNA certification or department approval. This course is designed to provide students with classroom and advanced laboratory experience focusing on routing technologies. Instruction includes, but is not limited to scalable internetworks, advanced IP addressing management, advanced routing protocol configurations, single and multi-area OSPF, EIGRP, BGP, route optimization, and integrating BGP into ISP networks. This course assists in the preparation for the CCNP certification by further developing networking skills in CCNA core routing technologies while also expanding knowledge and experience in advanced enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 273 4 HRS. (OC)**CCNP SWITCH**

Prerequisite: CMCIS 271 with a grade of "C" or better or department approval. This course is designed to provide students with classroom and advanced laboratory experience focusing on switching technologies. Instruction includes, but is not limited to campus networks, switching, legacy media types, VLANs, trunking, spanning-tree, redundant links, multilayer switching, first-hop redundancy protocols, multicasting, and security. This course assists in the preparation for the CCNP certification by further developing networking skills in CCNA core switching technologies while also expanding knowledge and experience in advanced enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 274 4 HRS. (OC)**CCNP TROUBLESHOOTING**

Prerequisite: CMCIS 273 with a grade of "C" or better or department approval. This course is designed to provide students with classroom and advanced laboratory experiences in relation to troubleshooting and supporting a network. This is the capstone course for the entire Cisco program. Instruction includes, but is not limited to a comprehensive review of all routing and switching configurations for the CCNA and CCNP-level courses, support resources for troubleshooting and use of CCO accounts. This course assists in the preparation for the CCNP certification by further developing networking skills in CCNA core routing and switching technologies while also expanding knowledge and experience in advanced enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

Computer Management-General**CMGEN 090 3 HRS. (BEC)****FOUNDATIONAL COMPUTER SKILLS**

In this course, students will begin to develop skills needed to use computers in educational and occupational environments. Students will be introduced to computer hardware, software, and the Internet.

Lecture Hours: 2 Laboratory Hours: 2

CMGEN 110 3 HRS. (OC)**INTRODUCTION TO WINDOWS**

This course teaches the student how to work with an operating system. Topics include managing a Windows work session, managing the system, managing files, customizing the interface through the Control Panel, working with the built-in utilities, learning to install applications under Windows, learning to run DOS and Windows applications, running multiple applications, and learning to share data among multiple applications.

Lecture Hours: 2 Laboratory Hours: 2

CMGEN 120 3 HRS. (OC)**COMPUTER APPLICATIONS**

This course is designed to teach students to use a computer operating system, word processing software, spreadsheet software, database management software, presentation software, and integration of these software packages. Transfer students should take CMPSC 120.

Lecture Hours: 2 Laboratory Hours: 2

CMGEN 123 3 HRS. (OC)**COMPUTER MATHEMATICS**

Prerequisite: MATH 094 with a grade of "C" or better or an appropriate score on the math placement test. This course is intended to introduce the computer student to those mathematical techniques and terminology which are commonly used in computer applications.

Lecture Hours: 3 Laboratory Hours: 0

**CMGEN 141
SPECIAL TOPICS****0.5 HRS. (OC)**

The contents of this special topics course will vary to allow an examination of various topics, such as software updates or new software. Each section offered will present a unique topic of value to students in the field of computers. This course may be repeated three times if the topic and content are different. Lecture and laboratory hours per week will vary depending upon the credit given and course content in each section offered.
Lecture Hours: 3 Laboratory Hours: 0

**CMGEN 255
INDEPENDENT STUDY****1 HR. (OC)**

Prerequisite: Department approval. This course provides the student the opportunity to work on a technical project, research, or other specialized study related to his/her individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department together with a final written report submitted to the faculty member by the student. This course is repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15

Computer Management-Networking**CMNET 110
NETWORK CONCEPTS****3 HRS. (OC)**

This course provides a baseline level of knowledge of computer networking. The course begins with information on how to select and maintain a network. Existing network hardware and software are examined, and methods of connecting networks are explored. Finally, security considerations and installation concerns are addressed.
Lecture Hours: 3 Laboratory Hours: 2

**CMNET 140
WINDOWS ADMINISTRATION****3 HRS. (OC)**

This course provides students with the knowledge and skills required to install, configure, administer, and troubleshoot Microsoft desktop operating systems.
Lecture Hours: 2 Laboratory Hours: 2

**CMNET 150
COMPUTER HARDWARE - A++****3 HRS. (OC)**

This is one of two courses designed to provide students with the latest skills needed by today's computer support professionals. Instruction includes but is not limited to: hardware and peripherals, mobile device hardware, networking, and troubleshooting hardware and network connectivity issues. This course is aligned to CompTIA's A+ certification.
Lecture Hours: 2 Laboratory Hours: 2

**CMNET 151
OPERATING SYSTEMS - A++****3 HRS. (OC)**

This is one of two courses designed to provide students with the latest skills needed by today's computer support professionals. Instruction includes but is not limited to: installing and configuring operating systems including Windows, iOS, Android, macOS, and Linux. It also addresses security, the fundamentals of cloud computing and operational procedures. This course is aligned to CompTIA's A+ certification.
Lecture Hours: 2 Laboratory Hours: 2

**CMNET 155
INTRODUCTION TO COMPUTER FORENSICS****3 HRS. (TC)**

This course will provide an overview of computer forensics and associated investigation tools and techniques. Students will learn what computer forensics and investigation is as a profession and gain an understanding of the overall investigative process. The most commonly used computer operating system architectures and disk structures will be discussed. Students will learn the importance of digital evidence and how to process crime and incident scenes. Finally, they will learn the fundamentals of data acquisition, computer forensic analysis, email investigations, image file recovery, investigative report writing, and expert witness requirements.
Lecture Hours: 2 Laboratory Hours: 2

**CMNET 160
INTRODUCTION TO NETWORK SECURITY****3 HRS. (OC)**

Prerequisite: CMWEB 110 with a grade of "C" or better or CMCIS 151 with a grade of "C" or better, or concurrent enrollment or department approval. This course will provide an introduction to network security issues. Intended as a survey course, the material covered in this class will provide broad-based knowledge necessary to prepare students for further study in specialized areas of security. Topics covered will include but not be limited to authentication, remote access, intrusion detection, disaster recovery planning, security forensics, and security issues involved in email, web, and wireless networks.
Lecture Hours: 2 Laboratory Hours: 2

**CMNET 165
HELP DESK CONCEPTS****3 HRS. (OC)**

In this course, students are introduced to the organizational role and operation of the help desk function as it merges technology with communication and customer support services.
Lecture Hours: 2 Laboratory Hours: 2

**CMNET 210
WINDOWS SERVER ADMINISTRATION****3 HRS. (OC)**

Prerequisite: CMNET 140 with a grade of "C" or better or department approval. This course provides students with the knowledge and skills required to install, configure, administer, and troubleshoot Microsoft network operating system.
Lecture Hours: 2 Laboratory Hours: 2

**CMNET 220
NETWORK INFRASTRUCTURE ADMINISTRATION****3 HRS. (OC)**

Prerequisite: CMNET 210 with a grade of "C" or better or department approval. This course provides students with the knowledge and skills required to implement and support TCP/IP and Windows network services in local and wide-area network environments.
Lecture Hours: 2 Laboratory Hours: 2

**CMNET 230
DIRECTORY SERVICE ADMINISTRATION****3 HRS. (OC)**

Prerequisite: CMNET 210 with a grade of "C" or better or department approval. This course provides students with the knowledge and skills needed to implement and administer an enterprise-class, central directory database and its services.
Lecture Hours: 2 Laboratory Hours: 2

CMNET 250 3 HRS. (OC)**ADVANCED SECURITY TOPICS**

Prerequisite: CMNET 230 with a "C" or better or department approval. This course is designed to teach the fundamentals of securing Windows servers that are connected to corporate networks and the Internet. In addition to learning the fundamentals of designing a secure framework, students will learn how to secure computers based on their function, how to secure the network management process, and how to configure group policies and administrative functions to increase ease of maintenance while retaining high levels of security. Students will learn the fundamentals of scripting with an emphasis on PowerShell, how to use existing scripts to assist in rapid deployment of security fixes and documentation, how to write scripts to interface with the operating system, and how to document scripts so they can be maintained by others. Students will learn terminology associated with security, scripting, and the fundamentals of risk assessment and management. Lecture and laboratory hours per week will vary depending upon the credit given and the course content in each section offered, this course is repeatable up to a maximum of four total hours of credit.

Lecture Hours: 2 Laboratory Hours: 3

CMNET 260 3 HRS. (OC)**NETWORKING INTERNSHIP**

Prerequisite: Department approval. In cooperation with the Internship Coordinator, each student is assisted in locating an appropriate training station where a minimum of fifteen hours per week of on-the-job work experience is provided. The student's work will include those experiences which involve hands-on computer experience. This course may be repeated one time; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.

Lecture Hours: 1 Laboratory Hours: 15

CMNET 270 3 HRS. (OC)**MESSAGING INFRASTRUCTURE ADMINISTRATION**

Prerequisite: CMNET 210 with a grade of "C" or better and CMNET 220 with a grade of "C" or better (or concurrent enrollment) and CMNET 230 with a grade of "C" or better (or concurrent enrollment) or department approval. This course provides students with the knowledge and skills that are needed to update and support a reliable, secure messaging infrastructure. This infrastructure is used for creating, storing, and sharing information by using a messaging server (e.g., Microsoft Exchange Server) in a medium-sized to large-sized messaging environment. This course offers hands-on practices, discussions, and assessments that assist students in becoming proficient in the skills that are needed to update and support a messaging server.

Lecture Hours: 2 Laboratory Hours: 2

Computer Management-Web**CMWEB 110 4 HRS. (OC)****BEGINNING WEB DEVELOPMENT WITH HTML AND CSS**

Prerequisite: Approved reading placement score, or equivalent, or departmental approval. This course is designed to teach the basic creation of web pages using HTML and CSS. Included in the course are creation of web pages using HTML and CSS in a text editor, transfer of files (using File Transfer Protocol), domain name acquisition, and web hosting requirements. An overview of topics as they relate to web development including networking, Internet standards bodies, security, and e-commerce concepts will also be covered.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 120 4 HRS. (OC)**INTERMEDIATE WEB DEVELOPMENT WITH HTML AND CSS**

Prerequisite: CMWEB 110 with a grade of "C" or better or department approval. This course is designed to teach intermediate web page construction. Included in the course are methods to create static World Wide Web pages with HTML and CSS and methods to develop, deploy, and maintain web sites. Effective web page design and web site design and information architecture will be reviewed. Students will be exposed to the fundamentals of web site project management as well as techniques to maintain a web site. Editing of photos and other graphics will also be discussed.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 130 4 HRS. (OC)**WEB CONTENT MANAGEMENT SYSTEMS, SEO, AND ANALYTICS**

Prerequisite: Approved reading placement score, or equivalent, or departmental approval. This course is designed to teach the practical use of web technologies in a business environment with emphasis on current popular content management systems. Installation, configuration, expansion of capabilities using plugins, creation of child themes, and creation of content and navigation will be included. Business concepts related to web development, SEO, and analytics will be discussed.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 135 4 HRS. (OC)**BUSINESS USE OF SOCIAL MEDIA**

Prerequisite: Approved reading placement score, or equivalent, or departmental approval. This course is designed to teach business usage of social media. Students will learn current business best practices to grow an online presence. Pitfalls and security issues will be discussed. Employment of metrics to measure effectiveness of social media campaigns will be reviewed, and appropriate creation of content based on platform and audience will also be included.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 140 4 HRS. (OC)**E-COMMERCE**

Prerequisite: CMWEB 110 with a grade of "C" or better or concurrent enrollment or department approval. This course is designed to teach the practical application of electronic commerce in a web environment. Business and marketing considerations will be emphasized. Security and payment processing will be reviewed, and some user experience concepts and techniques will be discussed. Mobile applications, emerging technologies and best practices will be examined.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 141 1 HR.+(OC)**WEB SPECIAL TOPICS**

Prerequisite: Department approval. This course is a special topics course which will vary to allow an examination of various topics such as software updates or new software. Each section offered will present a unique topic of value to students in web systems. This course may be repeated three times if the topic and content are different. Lecture hours per week will vary depending upon the credit given and course content in each section offered.

Lecture Hours: 1 - 4 Laboratory Hours: 0

CMWEB 150 4 HRS. (OC)**WEB ACCESSIBILITY AND USABILITY**

Prerequisite: CMWEB 110 with a grade of "C" or better, or concurrent enrollment or department approval. This course is designed to provide the student with a foundation for creating accessible web sites. Students will apply Universal Design Concepts to accommodate individuals with visual, mobility, auditory, speech, and cognitive disabilities. Students will design and test web pages for compliance with accessibility guidelines and legal requirements. Coding techniques for accessible HTML and CSS will be emphasized. The theory and practice of creating intuitive user interfaces will be discussed, with a focus on design and evaluation methodologies in the field of user experience.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 160 4 HRS. (OC)**INTRODUCTION TO SCRIPTING FOR THE WEB AND XML**

Prerequisite: CMWEB 110 with a grade of "C" or better or concurrent enrollment or department approval. This course is designed to teach logic fundamentals with respect to both client side and server side scripting. Students will learn the basics of when scripting is appropriate and how to decompose a problem so that it can be solved with snippets of script. JavaScript will be employed on the client side and PHP on the server side. Students will be exposed to various concepts dealing with web page validation and creation of more dynamic web sites, including debugging tools and version control. The fundamentals of XML (Extensible Markup Language) will also be discussed.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 200 4 HRS. (OC)**JAVASCRIPT AND MOBILE APP DEVELOPMENT FOR WEB DEVELOPERS**

Prerequisite: CMWEB160 with a grade of "C" or better, or departmental approval. This course is designed to teach the fundamentals of client side scripting with emphasis on JavaScript. Included in this course are methods to add interaction to web pages and to understand JavaScript syntax and event handlers. Obfuscation of code, documentation, and source code control will also be covered. Students will learn how to develop custom objects (classes) and deploy them on their web pages. Students will understand the HTML Document Object Model and how this is employed in current technologies (for example, AJAX - Asynchronous XML and JavaScript). CDNs (Content Delivery Networks), frameworks, documentation tools and techniques, and version control will be discussed. The development of web based applications for mobile devices relying on accepted industry tools, animations, and SVG (Scalable Vector Graphics) will also be covered.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 220 4 HRS. (OC)**ADVANCED WEB AND MOBILE DEVELOPMENT WITH HTML AND CSS**

Prerequisite: CMWEB 110 with a grade of "C" or better; or department approval. This course is designed to teach advanced HTML and CSS techniques, web standards, cross browser development issues, responsive and mobile design, and frameworks. HTML email and associated metrics as well as creating and modifying audio and video for inclusion on websites will also be discussed.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 240 4 HRS. (OC)**WINDOWS WEB SERVER SCRIPTING WITH ASP.NET**

Prerequisite: CMWEB 110 with a grade of "C" or better or department approval. This course is designed to teach the use of ASP.Net technologies using IIS web servers to interface legacy applications and to develop new web applications. Use of the Visual Studio Integrated Development Environment will be stressed. Web pages will be developed for multiple browser environments (including mobile devices). Students will be exposed to error handling and debugging techniques and version control. Validation of data submitted via web forms will be reviewed along with interactions with databases and XML data stores. Web services and use of components will also be discussed.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 241 4 HRS. (OC)**PHP**

Prerequisite: CMWEB 160 with a grade of "C" or better or department approval. This course is designed to teach the fundamentals of server side scripting with emphasis on the syntax of PHP. We will focus on creation of interactive web pages using PHP. Once students understand the basics of the language (syntax, flow control, operators, arrays, functions, and similar concepts), we will examine uses of this technology. This will include session management, utilization of data stores, creating and consuming web services, interactions with databases, utilization of frameworks, tools and techniques for documentation, authorization and authentication, and version control.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 260 3 HRS. (OC)**WEB INTERNSHIP**

Prerequisite: Department approval. In cooperation with the Web Internship Coordinator, each student is assisted in locating an appropriate web client organization (or web projects) where a minimum of 225 hours for the semester of on-the-job work experience is provided (or the equivalent hours of experience working on approved web projects). This can be working either at a for-profit or not-for-profit organization. (The student will need to work with someone other than himself or herself on this project.) The student's work will include those experiences that involve actual web design and development activities. This course may be repeated two times, however it may be used only once to fulfill the requirement for an Associate in Applied Science degree.

Lecture Hours: 0 Laboratory Hours: 15

CMWEB 270 4 HRS. (OC)**WEB SERVER AND WEB APPLICATION SECURITY**

Prerequisite: Approved reading placement score, or equivalent, or department approval. This course will introduce students to the fundamentals of web server installation and administration using the Linux platform. It will also cover securing web applications, and will establish a baseline for their further investigations into this rapidly evolving subject. The use of tools to increase web server availability, performance, and security will be covered. Students may be asked to sign a waiver that they will only use this knowledge to defend the sites they create/maintain from attack.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 280 4 HRS. (OC)**WEB DEVELOPMENT FOR MOBILE DEVICES**

Prerequisite: CMWEB 160 with a grade of "C" or better or department approval. This course is designed to teach development of web based applications for mobile devices (including smartphone, tablet devices and related hardware). Students will learn what is involved in development of web sites which can dynamically adapt to small screen size viewports. Students will also learn how to develop applications relying on accepted industry tools. In addition, animations (tools and frameworks), SVG (Scalable Vector Graphics), and the use of programs for graphic and image creation/manipulation will be covered.

Lecture Hours: 4 Laboratory Hours: 0

CMWEB 292 1 HR. (OC)**WEB DEVELOPER INDEPENDENT STUDY**

Prerequisite: Departmental approval. This course is designed to provide the student with guided instruction on web developer concepts and projects on an individual basis.

Lecture Hours: 1 - 4 Laboratory Hours: 0

CMWEB 296 1 HR. (OC)**WEB DEVELOPER APPRENTICE CAPSTONE**

Prerequisite: Departmental approval. This course is designed to be a capstone class for the Web Developer Apprentice Certificate. It will include job hunt preparation, preparation of a resume and portfolio, a review of material presented throughout the program, and will culminate with the student either taking the Web Professionals Apprentice Developer Certification Exam (an industry-recognized credential) or completing a comprehensive project demonstrating competency in key skills in the program.

Lecture Hours: 1 Laboratory Hours: 0

CMWEB 298 1 HR. (OC)**WEB DEVELOPER ASSOCIATE CAPSTONE**

Prerequisite: Departmental approval. This course is designed to be a capstone class for both the Web Developer Certificate and the Web Systems Applied Science Degree. It will include job hunt preparation, preparation of a resume and portfolio, a review of material presented throughout the program, and will culminate with the student either taking the Web Professionals Certified Web Developer Associate (CWDVA) exam (an industry-recognized credential) or completing a comprehensive project demonstrating competency in the skills taught within the program.

Lecture Hours: 1 Laboratory Hours: 0

Computer Science**CMPS 115 3 HRS. (TC)****CS I: ESSENTIALS OF PROGRAMMING**

This course is designed to give students exposure to essential object-oriented programming concepts. The primary goal is to familiarize students to a disciplined approach to programming logic, problem-solving methods, algorithm development, and security awareness. The course teaches: program design, coding, testing, debugging, and documentation at the introductory level. When completed, the student will be able to solve programming tasks in socially responsible disciplined fashion. Students are expected to be Windows proficient prior to this course.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 120 3 HRS. (TC)**BUSINESS COMPUTER SYSTEMS (BUS 902)**

Prerequisite: MATH 098 with a grade of "C" or better or equivalent. Designed primarily for students planning to major in business. Course will acquaint and train students in the use of business software including word processing, database management, spreadsheets, presentation software, and Internet access methods.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 122 3 HRS. (OC)**INTRODUCTION TO COMPUTER SECURITY**

Prerequisite: CMPS 115 or concurrent enrollment with department approval. This course provides an overview of the fundamentals of computer security. Topics include security standards, policies, and best practices, principles, mechanisms, and implementation of computer security and data protection; security policy, encryption, and authentication; access control and integrity models and mechanisms; network security, secure systems; programming and vulnerabilities analysis; principles of ethical and professional behavior; regulatory compliance and legal issues; information assurance; risk management and threat assessment; business continuity and disaster recovery planning; and security across the life cycle (requirements, architecture and design, construction, testing, operation, maintenance, acquisition, and services).

Lecture Hours: 2 Laboratory Hours: 2

CMPS 124 3 HRS. (TC)**EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC**

This introductory course in event-driven programming will introduce the student to real world applications for the world's most widely used operating system, Microsoft Windows. The student will become familiar with how computers are programmed, the Visual Basic editor (IDE), control structures, procedures and functions, arrays, data types, graphics and graphical user interfaces, event-driven programming (task/object/event), error handling, and sequential and random access file processing. Concentration will be on writing well-planned and user-friendly programs. MS Windows proficiency is expected of students desiring to take this course.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 125 3 HRS. (TC)**CS I: PROGRAMMING IN C++ (CS 911)**

Prerequisite: MATH 098 with a grade of "C" or better. This course is an introduction to computer science; its primary purpose is to introduce a disciplined approach to problem-solving methods and algorithm development, emphasizing data and procedural abstraction. Using C++, the course teaches program design, coding, testing, debugging, and documentation.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 135 3 HRS. (TC)**CS II: PROGRAMMING IN JAVA**

Prerequisite: CMPS 115 with a "C" or better. This intermediate course is the second in a sequence of Java object-oriented programming courses. The student is introduced to a disciplined approach to problem-solving with emphasis on algorithm development, in addition to an introduction to procedural and data abstraction. This course will cover control structures; program design, testing, and documentation using software assurance and ethical conduct.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 140 3 HRS. (OC)**INTRODUCTION TO RELATIONAL DATABASES**

Prerequisite: CMPS 115, 124, 125, or 215 all with a grade of "C" or better or department approval. In this course, elementary relational database concepts will be presented. Database modeling will be explained and normalization will be discussed. Structured Query Language (SQL) and advanced database concepts will be introduced.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 145 3 HRS. (OC)**INTRODUCTION TO PYTHON**

This course is designed to give students exposure to the essentials of programming in the Python programming language. The primary goal is to familiarize students to a disciplined approach to programming logic, problem-solving methods, algorithm development, and security awareness. The course teaches program design, coding, testing, debugging, and documentation at the introductory level. When completed, the student will be able to solve programming tasks in socially responsible disciplined fashion. Students are expected to be Windows proficient prior to this course.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 200 3 HRS. (OC)**C# PROGRAMMING**

Prerequisite: MATH 098 with a grade of "C" or better or department approval. This course introduces a current Object Oriented Programmer to the C# programming language, a part of the Microsoft.NET platform. All programming elements of the language are presented in a rapid survey of the language. Emphasis is upon interfacing with databases and class design. The skills needed to write console applications, Windows applications, and beginning Internet applications are presented.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 212 3 HRS. (TC)**CS II: ADVANCED PROGRAMMING IN C++ (CS 912)**

Prerequisite: CMPS 125 with a grade of "C" or better. The second in the sequence of courses in C++ programming. This course covers: design and implementation of large-scale problems; abstract data types; data structures (files, sets, pointers, lists, stacks, queues, trees, graphs); text processing; and an introduction to searching and sorting algorithms.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 215 4 HRS. (OC)**COBOL AS A SECOND LANGUAGE**

Prerequisite: CMPS 124 or CMPS 125 with a grade of "C" or better or department approval. This course is an introductory COBOL course which builds on prior programming experience. Structured programming design, implementation, testing, documentation using COBOL, arrays, records, string processing, and files are covered. Sorting and searching techniques and interactive programming will also be introduced. Specifically, direct access file techniques, master file update, and control break logic are covered. Program linkage and parameter processing are also introduced.

Lecture Hours: 3 Laboratory Hours: 2

CMPS 222 3 HRS. (OC)
SECURE CODING

Prerequisite: CMPS 135 with a grade of "C" or better or concurrent enrollment in CMPS 135 with department approval. This course covers security vulnerabilities of programming in weakly typed languages like C and in more modern languages like Java. Common weaknesses exploited by attackers are discussed, as well as mitigation strategies to prevent those weaknesses. Students practice programming and analysis of software systems through testing and static analysis.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 224 3 HRS. (OC)
ADVANCED VISUAL BASIC

Prerequisite: CMPS 124 with a grade of "C" or better. This second course in the event-driven programming sequence of Visual Basic will introduce the student to additional real world applications for the world's most widely used operating system, Microsoft Windows. The student will build and hone first semester skills, along with becoming familiar with object linking and embedding (OLE), ActiveX controls, collections, fundamental database concepts, database manipulation, Windows API and Registry manipulation, and Internet controls. Concentration will be on writing well-planned and user-friendly applications for business.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 235 3 HRS. (TC)
CS III: ADVANCED PROGRAMMING IN JAVA

Prerequisite: CMPS 135 with a grade of "C" or better or department approval. This is the third in the sequence of courses in secure Java object-oriented programming. This course covers: design and implementation of large-scale problems; abstract data types; data structures (files, sets, pointers, lists, stacks, queues, trees, graphs); algorithmic analysis; software engineering principles; software and information assurance; and an introduction to searching and sorting algorithms.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 237 3 HRS. (OC)
MOBILE APPLICATION PROGRAMMING

Prerequisite: CMPS 124, CMPS 125, CMPS 135, CMPS 145 or CMPS 200, with a grade of "C" or better, or department approval. This course will cover the fundamental programming principles for mobile devices (excluding iOS). The software architecture and user experience considerations underlying handheld software applications and their development environments will be investigated. Concepts will be reinforced by students programming hands-on assignments, which will be run on a current mobile platform. Students will apply these lessons and plan and develop their own viable applications.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 245 3 HRS. (OC)**STRUCTURED QUERY LANGUAGE**

Prerequisite: CMPS 140 with a grade of "C" or better or department approval. This course covers programming in the Structured Query Language. Students are taught to create and maintain database objects and to store, retrieve, and manipulate data. In addition, students learn to create blocks of application code that can be shared by multiple forms, reports, and data management applications. The student will learn how to write and apply triggers, procedures, and packages. Demonstrations and hands-on practice reinforce the fundamental concepts.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 249 3 HRS. (OC)
UNIX

This course is an introduction to UNIX. In this course, file handling, text editors and shell programming are discussed.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 262 3 HRS. (OC)
INTRODUCTION TO ASSURED SOFTWARE ENGINEERING

Prerequisite: CMPS 235 or concurrent enrollment. This course covers the basic principles and concepts of assured software engineering; system requirements; secure programming in the large; modeling and testing; object-oriented analysis and design using the UML; design patterns; frameworks and API's; client-server architecture; user interface technology; and the analysis, design and programming of extensible software systems.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 265 3 HRS. (OC)
DATABASE ADMINISTRATION

Prerequisite: CMPS 245 with a grade of "C" or better or CMNET 210 with a grade of "C" or better or department approval. This course is designed to give the database administrator (DBA) a firm foundation in basic administrative tasks and provide the necessary knowledge and skills to set up, maintain, and troubleshoot a relational database. The student learns to use an administration tool to startup and shutdown a database, create a database, manage file and database storage, and manage users and their privileges. In addition, the student learns to organize the database and to move data into and between databases under different environments. Hands-on practices help to reinforce key concepts.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 270 3 HRS. (OC)
STRUCTURED SYSTEM ANALYSIS

Prerequisite: CMPS 215 or CMPS 212 or CMPS 235, any with a grade of "C" or better or department approval. This course presents to the student the SDLC, System Development Life Cycle, as the basis for the development of computer systems. Various analysis tools will be taught to aid students in the preparation of all aspects of system development.

Lecture Hours: 2 Laboratory Hours: 2

Criminal Justice**CRJ 110 3 HRS. (TC)**
INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM (CRJ 901)

This course is a survey and analysis of the criminal justice system, including a historical and philosophical overview of its development, with special emphasis on the system's components and the relationship among those components in the administration of criminal justice in America.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 111 1 HR. (TC)**SELECTED TOPICS**

The content of this course varies from offering to offering to meet the changing needs of students and to allow exploration of topics more fully than can be addressed in survey courses. Each offering will present a unique investigation of a topic in criminal justice. This course is repeatable if the topic and content are different up to a maximum of three semester hours of credit. The duration of the course will depend upon the topic to be covered.

Lecture Hours: 1 - 3 Laboratory Hours: 0

CRJ 112 3 HRS. (TC)**POLICE OPERATIONS**

This course is designed to acquaint the student with the basic services that are provided by police departments stressing the role and responsibility of the police in the prevention and control of adult crime.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 114 3 HRS. (TC)**INTRODUCTION TO CORRECTIONS (CRJ 911)**

This course provides a basis to understanding the correctional system for those intending to pursue careers in the field of corrections or law enforcement. The course includes historical development, philosophy and variety of correctional methods. Included are institutional and post institutional techniques, probation and parole.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 118 3 HRS. (TC)**JUVENILE DELINQUENCY (CRJ 914)**

This course covers the history and philosophies of society's reactions to juvenile behavior and problems. Interaction among the police, judiciary, and corrections are examined in the context of cultural influences. Theoretical perspectives of causation and control are examined.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 121 3 HRS. (TC)**PROFESSIONAL STANDARDS IN CRIMINAL JUSTICE**

Prerequisite: CRJ 110 with a grade of "C" or better. This course provides a traditional and multimedia exploration of the field of criminal justice ethics and professional standards. This course broadly encompasses the history of justice, theories of morality, and police ethics from antiquity to the present. Five areas of ethical decision making opportunities are studied in this course: law enforcement ethics and professional standards, legal profession ethics, correctional ethics, policy making ethics, and forensic issues that relate specifically to the criminal justice system. The course will also cover topical studies and take advantage of current news stories as an opportunity to explore moral mistakes and triumphs in modern life in criminal justice. This will enable students to explore their own ethical and moral systems and how they make ethical/moral decisions.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 130 3 HRS. (TC)**INTRODUCTION TO INVESTIGATION**

This course is designed to examine the techniques and problems involved in investigation of criminal cases. It includes theory and techniques of investigation, the questioning of witnesses and suspects, procedural problems involved in investigation, the collection and presentation of evidence, and preparation of cases.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 190 3 HRS. (OC)**9-1-1 TELECOMMUNICATOR I**

This course covers the fundamentals of calling-taking and dispatching emergency calls, specifically for the police, fire and emergency medical service (EMS) departments.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 191 3 HRS. (OC)**9-1-1 TELECOMMUNICATOR II**

Prerequisite: CRJ 190 with a grade of "C" or better. This course covers the fundamentals of call-taking and dispatching emergency calls, specifically for the police, fire, and emergency medical service (EMS) departments, Part II.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 201 3 HRS. (OC)**INTERNSHIP IN CRIMINAL JUSTICE**

Prerequisite: CRJ 110 and CRJ 225 both with a grade of "C" or better. This course is designed to give the trainee field experience in field work by actually participating as a "cadet" while engaged in on-the-job training with experienced criminal justice personnel. The student will also do individual research and study in the student's field of interest as approved and directed by the instructor.

Lecture Hours: 1 Laboratory Hours: 10

CRJ 212 3 HRS. (TC)**HUMAN TRAFFICKING: WOMEN AND CHILDREN**

This course examines the national and global issue of human trafficking, specifically, trafficking in women and children. Some of the areas highlighted in the course are human rights, organized crime, law enforcement response, inaction and corruption, national and international responses in international law, sexual and economic exploitation, global victimization, and in instances, government tolerance of human trafficking. Case studies from several countries will be surveyed to provide context and facilitate student comprehension of this exploitation.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 213 3 HRS. (TC)**GENDER AND CRIME**

This course examines the historical and contemporary issue and response of gender and its interrelation to crime. It explores how the social ascription that define gender have impacted the study of women and crime. The course surveys the general and feminist theories that attempt to explain female offending and the patterns of offending. It further explores female victimization. Women professionals in the judiciary, corrections and law enforcement will also be discussed.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 225 3 HRS. (TC)**CRIMINAL LAW**

Prerequisite: CRJ 110 or PRLGL 110 with a grade of "C" or better or department approval. This course is concerned with the components, purposes and functions of criminal law. Included in this course is a study of criminal liability, including the elements of various offenses and the rules of evidence.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 227 3 HRS. (TC)**ADMINISTRATION OF JUSTICE**

Prerequisite: CRJ 110 or PRLGL 110 with a grade "C" or better or department approval. This course is designed to acquaint the student with the legal principles applicable to important criminal procedures that involve force, arrest, search and seizure, civil rights, self-incrimination, assistance of counsel and other aspects of Constitutional Law affecting law enforcement officers.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 230 3 HRS. (TC)**COURT PROCEDURES AND EVIDENCE**

Prerequisite: CRJ 110 or PRLGL 110 with a grade "C" or better or department approval. This course is designed to acquaint the student with the kinds of evidence and the rules governing the admissibility of evidence in court, including the effect of court decisions on the acquisition and admissibility of evidence, criminal procedural steps from court to conviction, and acquittal or dismissal.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 250 **POLICE ORGANIZATION AND ADMINISTRATION** **3 HRS. (TC)**
 This course is designed to acquaint the student with basic management and leadership skills as they pertain to professional police management.
 Lecture Hours: 3 Laboratory Hours: 0

Culinary Arts

CA 150 **PROFESSIONAL COOKING** **3 HRS. (OC)**
 Prerequisite: Completion of CA 151. This course is a study of the fundamental elements of the foodservice industry, including terminology, equipment identification and usage, information regarding types of foods and trends in the industry, communication skills, and basic preparation techniques.
 Lecture Hours: 2 Laboratory Hours: 3

CA 151 **SANITATION AND PRODUCT IDENTIFICATION** **3 HRS. (OC)**
 Prerequisite: Completion of ENGL 085 or higher, appropriate placement score, or equivalent. This course is a study of the fundamental elements of sanitation within both the commercial and non-commercial food service establishment. It prepares the student to successfully pass the ServSafe Food Protection Manager Certification Exam. Students are also introduced to a wide variety of products used in the industry with an emphasis on identification and usage of the product.
 Lecture Hours: 3 Laboratory Hours: 0

CA 153 **BAKING** **3 HRS. (OC)**
 Prerequisite: CA 150 with a grade of "C" or better. This course introduces students to the fundamental elements of baking and leavening agents. As a portion of the laboratory experience, the student will produce baked items such as quick breads, biscuits, muffins, cookies, doughnuts, fritters, lean breads and a wide variety of pies. This is the first of two courses that focus on baking.
 Lecture Hours: 2 Laboratory Hours: 3

CA 155 **MEAT, POULTRY AND FISH** **3 HRS. (OC)**
 Prerequisite: Completion of CA 150. This course focuses on the identification of wholesale and fabricated cuts of beef, pork, veal and lamb and the recognition of various types of poultry and fish. It includes the study of the fundamental principles regarding meat, poultry and fish preparation.
 Lecture Hours: 2 Laboratory Hours: 3

CA 156 **SAUCES** **3 HRS. (OC)**
 Prerequisite: CA 150 and CA 155 both with a grade of "C" or better. This course gives a general overview of the history of sauce making and an in-depth study of the classical and contemporary techniques used in sauce preparation. Students will develop and apply skills in preparation of sauces, ranging from the classical leading sauces to contemporary sauces and coulis.
 Lecture Hours: 2 Laboratory Hours: 3

CA 157 **GARDE MANGER** **3 HRS. (OC)**
 Prerequisite: CA 150, CA 153 and CA 155, all with a grade of "C" or better. This course is a basic overview of the history of Garde Manger. Students will develop and apply knowledge and skills in the preparation of cold sauces and soups, salads, sandwiches and the wholesome and sanitary preparation of sausage, terrines, cured and smoked meats and cheese.
 Lecture Hours: 2 Laboratory Hours: 3

CA 175 **TOPICS IN CULINARY ARTS** **3 HRS. (OC)**
 Prerequisite: Department approval. This course delves into specific topics of culinary interest. It perpetuates a deeper understanding of techniques and principles involved in specialized areas of Culinary Arts such as chocolates, cuisine of the Mediterranean, sausage making, or petit four and French pastries.
 Lecture Hours: 2 Laboratory Hours: 3

CA 211 **HOSPITALITY MANAGEMENT AND MARKETING** **3 HRS. (OC)**
 Prerequisite: Completion of ENGL 085 or higher, appropriate placement score, or equivalent. This course is a study of the role of management and marketing in the hospitality industry. Emphasis is placed on the management functions of planning, organizing, leading, and controlling as well as the relationship between customer's value, satisfaction and quality.
 Lecture Hours: 3 Laboratory Hours: 0

CA 212 **FOODSERVICE COST CONTROL** **3 HRS. (OC)**
 Prerequisite: Completion of BUS 120, or Math 110 or higher. This course is the study of the fundamental principles of understanding and managing the costs associated with operating a foodservice business. This course will supply the tools required to maintain sales and cost histories and to develop systems for monitoring current and future activities.
 Lecture Hours: 3 Laboratory Hours: 0

CA 213 **BEVERAGE MANAGEMENT** **3 HRS. (OC)**
 This course is a study of the fundamental principles of creating a bar business. This course will supply the tools required to identify wines, spirits and beers and how to provide service of these beverages.
 Lecture Hours: 3 Laboratory Hours: 0

CA 214 **FRONT OF THE HOUSE** **2 HRS. (OC)**
 This course focuses on the nine basic principles of service. Emphasis is on a style of professionalism that enhances the entire industry and emphasis is given to generous and cordial reception of guests.
 Lecture Hours: 1 Laboratory Hours: 2

CA 215 **CULINARY NUTRITION** **2 HRS. (OC)**
 Prerequisite: Completion of ENGL 085 or higher, appropriate placement score, or equivalent. This course is the study of the basic principles of nutrition and the nutrient content of foods. Emphasis is placed on menu planning, recipe development and effective ways to communicate and market nutrition.
 Lecture Hours: 2 Laboratory Hours: 0

CA 217 **INTRODUCTION TO CATERING** **3 HRS. (OC)**
 This course is a study of catering, banquets and other specialty service in the foodservice industry. The course will emphasize the planning, organizing and controlling in the catering business.
 Lecture Hours: 3 Laboratory Hours: 0

CA 220 3 HRS. (OC)**ADVANCED PROFESSIONAL COOKING**

Prerequisite: CA 151, CA 157, CA 215, and CA 253 all with a grade of "C" or better. This course is designed for students who have proficiency in all basic skills and knowledge of culinary arts. It emphasizes intermediate methods and techniques of culinary arts, with a concentration on regional American cuisine and international cuisine. It examines various cultures and their traditional food habits to develop a better understanding of the many cultures in America and how these cultures and cuisines have influenced American cuisine and the foodservice industry today.

Lecture Hours: 2 Laboratory Hours: 3

CA 225 2 HRS. (OC)**INTERNSHIP IN CULINARY ARTS**

Prerequisite: Department approval. This course applies principles of culinary arts management during the supervised experience in a variety of foodservice institutions.

Lecture Hours: 0 Laboratory Hours: 20

CA 253 3 HRS. (OC)**ADVANCED BAKING**

Prerequisite: CA 153 with a grade of "C" or better. This course is a study of the advanced principles of baking, leavening agents, and yeast dough production. The production of lean and rich yeast breads, Danish pastries, puff pastries, cakes, tarts, specialty cakes, gateaux, and torten.

Lecture Hours: 2 Laboratory Hours: 3

Dance**DANCE 110 2 HRS. (TC)****BEGINNING TECHNIQUES OF CLASSICAL BALLET**

This course is an introduction to the fundamentals of the art of ballet for students who have little or no previous experience. It covers basic barre exercises, center floor exercise, dance combinations and ballet terminology, with emphasis on body placement.

Lecture Hours: 1 Laboratory Hours: 2

DANCE 115 3 HRS. (TC)**APPRECIATION OF DANCE (F1 906)**

Prerequisite: Approved reading placement score, or equivalent. This course is a study of dance forms from primitive times to the present. It compares ancient and modern dance forms and examines the contributions of individual dancers, dance companies, and choreographers to cultural heritage.

Lecture Hours: 3 Laboratory Hours: 0

DANCE 120 2 HRS. (TC)**INTERMEDIATE TECHNIQUES OF CLASSICAL BALLET**

Prerequisite: DANCE 110 with a grade of "C" or better. This course is a continuation of beginning ballet techniques with concentration placed on center floor work, development of movement patterns and allegro combinations.

Lecture Hours: 1 Laboratory Hours: 2

DANCE 130 1 HR. (TC)**JAZZ DANCE I**

This course is an introduction to the fundamental technique of jazz dance for students who have had little or no previous training. It covers warmups, barre and center technique, simple turns, leaps, and combinations emphasizing the use of the body's center.

Lecture Hours: 1 Laboratory Hours: 1

DANCE 131 2 HRS. (TC)**JAZZ DANCE II**

Prerequisite: DANCE 130 with a grade of "C" or better or department approval. This course is a progressive development of fundamental jazz dance technique with concentration placed on center floor work, experiencing different styles of jazz, and culminating in a performance. One lecture and three laboratory hours per week.

Lecture Hours: 1 Laboratory Hours: 3

DANCE 140 1 HR. (TC)**MODERN DANCE I**

This course gives instruction in dance as an activity based on the creative use of movement. Dance warmups, techniques of dance, dance patterns, analysis of rhythm, and simple dance compositions are emphasized.

Lecture Hours: 1 Laboratory Hours: 1

DANCE 141 2 HRS. (TC)**MODERN DANCE II**

Prerequisite: DANCE 140 with a grade of "C" or better or department approval. This course is a continuation of Modern Dance I with a concentration on the differing modern dance forms, improvisation, and more complicated choreography culminating in a performance.

Lecture Hours: 1 Laboratory Hours: 3

DANCE 150 1 HR. (TC)**TAP DANCE I**

This course is an introduction to the fundamental technique of tap dance for students who have had little or no previous training. It covers basic tap technique using different tempos and rhythms.

Lecture Hours: 1 Laboratory Hours: 1

DANCE 151 2 HRS. (TC)**TAP DANCE II**

Prerequisite: DANCE 150 with a grade of "C" or better or department approval. This course is a progressive development of fundamental tap dance technique with concentration on time steps, close foot work, and the different styles of tap dance culminating in a performance.

Lecture Hours: 1 Laboratory Hours: 3

DANCE 160 1 HR. (TC)**MUSICAL THEATRE DANCE**

This course is a study of dance in musical theater which will include dance vocabulary, technique, learned choreography and a general overview of theater dance history. The class is designed to give the student an awareness of the required skills and personality that is required by musical theater performers with regards to dance.

Lecture Hours: 0 Laboratory Hours: 2

DANCE 210 2 HRS. (TC)**ADVANCED TECHNIQUES OF CLASSICAL BALLET**

Prerequisite: DANCE 120 with a grade of "C" or better or audition. The student will learn advanced skills and techniques with emphasis on pure classical dance and performing experience. One lecture and three laboratory hours per week.

Lecture Hours: 1 Laboratory Hours: 3

DANCE 211 2 HRS. (TC)**ADVANCED TECHNIQUES OF CLASSICAL BALLET II**

Prerequisite: DANCE 210 with a grade of "C" or better. This class is the second semester of Advanced Techniques of Classical Ballet. The student will continue to work on learning advanced skills and techniques with emphasis on pure classical dance and performing experience. One lecture and three laboratory hours per week and other rehearsals as scheduled.

Lecture Hours: 1 Laboratory Hours: 3

Deconstruction

DECON 101 1 HR. (OC)

INTRODUCTION TO DECONSTRUCTION

This course will introduce the basic practice of building deconstruction and building materials (architectural and structural) salvage including key resources and considerations.

Lecture Hours: 1 Laboratory Hours: 0

DECON 102 2 HRS. (OC)

DECONSTRUCTION METHODS AND MATERIALS

Prerequisite: DECON 101 with a grade of "C" or better or concurrent enrollment or department approval. This course will introduce typical residential and light commercial construction methods, structural systems and building material assemblies.

Lecture Hours: 1 Laboratory Hours: 2

DECON 103 2 HRS. (OC)

PRINCIPLES OF DECONSTRUCTION ASSESSMENT

Prerequisite: DECON 101 and DECON 102 with a "C" or better or concurrent. This course will introduce the key components of site assessment, project planning and market considerations of building deconstruction and building material salvage.

Lecture Hours: 1 Laboratory Hours: 2

DECON 104 2 HRS. (OC)

DECONSTRUCTION PROJECT

Prerequisite: DECON 101 and DECON 102 with a grade of "C" or better, concurrent enrollment in DECON 103 or department approval. This course will provide hands-on deconstruction experience in the laboratory and/or in the field.

Lecture Hours: 0 Laboratory Hours: 6

Dental Hygiene

DHYGN 100 0.5 HRS. (OC)

INTRODUCTION TO DENTAL HYGIENE

This course is designed to introduce students to the dental hygiene profession and the role of the dental hygienist as a member of a team of health care providers who engage people in a compassionate manner to educate them on the value of obtaining and maintaining excellent dental hygiene practices. Basic responsibilities of the dental hygienist such as patient interaction and procedures, basic aseptic techniques, basic radiology procedures, and basic instrumentation skills will be demonstrated and practiced.

Lecture Hours: 0.5 Laboratory Hours: 0

DHYGN 110 3 HRS. (OC)

DENTAL HEAD, NECK, AND ORAL ANATOMY

Prerequisite: Acceptance into the Dental Hygiene Program, BIOL 140 and CHEM 115, both with a grade of "C" or better or department approval. This course is a study of the anatomy of the head and neck with emphasis upon the maxilla and mandible. In addition, a study of the anatomy of the primary and permanent teeth and their supportive structure is undertaken.

Lecture Hours: 2 Laboratory Hours: 2

DHYGN 111 2 HRS. (OC)

DENTAL EMBRYOLOGY AND HISTOLOGY

Prerequisite: DHYGN 110, 113, 117, 131, 132, and BIOL 210, all with a grade of C or better, or department approval. This course is a basic introduction to embryology and histology followed by in-depth study of oral and facial development and dental histology.

Lecture Hours: 2 Laboratory Hours: 0

DHYGN 113 0.5 HRS. (OC)

INFECTION CONTROL FOR THE DENTAL HYGIENIST

Prerequisite: Acceptance into the Dental Hygiene Program, BIOL 140 and CHEM 115, both with a grade of "C" or better or department approval. This course will introduce students to the prevention of disease transmission in dentistry, dental equipment and maintenance, operator and patient positioning, diagnostic dental instruments, and dental charting. Student partners are used in the laboratory sessions.

Lecture Hours: 0.5 Laboratory Hours: 0

DHYGN 115 1 HR. (OC)

INTRODUCTION TO DENTAL HYGIENE

Prerequisite: Acceptance into the Dental Hygiene Program, BIOL 140 and CHEM 115, both with a grade of "C" or better or department approval. This course will familiarize the incoming student with the history and development of the dental hygiene profession. Students will also be acquainted with services available at ICC, procedures for obtaining a license in Illinois, self-awareness, and basic dental terminology.

Lecture Hours: 1 Laboratory Hours: 0

DHYGN 117 1 HR. (OC)

DENTAL SPECIALTIES

Prerequisite: Acceptance into the Dental Hygiene Program, BIOL 140 and CHEM 115, both with a grade of "C" or better or departmental approval. This course is an overview of selected specialty areas in dentistry. Material relevant to informing patients of treatment options will be emphasized. The use of student partners will be utilized to demonstrate the usage of selected materials.

Lecture Hours: 1 Laboratory Hours: 0

DHYGN 131 2 HRS. (OC)

DENTAL HYGIENE THEORY FOR CLINICAL APPLICATIONS

Prerequisite: Admission to the Dental Hygiene Program, BIOL 140 and CHEM 115, both with a grade of C or better, or department approval. This course will introduce students to the study of dental deposits and their etiology in dental diseases, personal control of dental disease, periodontal charting, and the discussion of ancillary procedures, such as power-driven scalers and polishers, generalized patient assessment, appointment sequencing, and post-operative instruction.

Lecture Hours: 2 Laboratory Hours: 0

DHYGN 132 2 HRS. (OC)

FUNDAMENTALS OF DENTAL HYGIENE

Prerequisite: Acceptance into the Dental Hygiene Program, BIOL 140 and CHEM 115, both with a grade of C or better, or department approval. This course is a continuation in the control and prevention of disease transmission in dentistry, dental equipment and maintenance, aseptic procedures, and an introduction to clinical dental hygiene necessary for oral prophylaxis. Student partners, manikin, and selected patients are used in the laboratory to demonstrate instrumentation techniques.

Lecture Hours: 1 Laboratory Hours: 3

DHYGN 133 2 HRS. (OC)

PRECLINICAL DENTAL HYGIENE

Prerequisite: DHYGN 110, 113, 117, 131, 132, and BIOL 210, all with a grade of "C" or better. This course is a continuation of instrumentation skills necessary for oral prophylaxis, aseptic procedures, and dental equipment care and maintenance. Student partners, mannequins, and selected patients are used in the laboratory to demonstrate instrumentation techniques.

Lecture Hours: 0 Laboratory Hours: 6

DHYGN 135 3 HRS. (OC)**DENTAL RADIOLOGY**

Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of "C" or better. This course is a comprehensive study of dental radiation physics, radiation hygiene practices, factors affecting radiographic quality, theory and practice of intraoral and panoramic radiographic techniques, interpretation of normal landmarks, abnormal conditions, and patient education. Laboratory practice on a teaching mannequin is followed by experience with selected patients. Lecture Hours: 2 Laboratory Hours: 3

DHYGN 137 1 HR. (OC)**MEDICAL EMERGENCIES**

Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of "C" or better. This course is a study of recognition, evaluation, treatment, and prevention of medical emergency situations that may occur in dental office settings. Lecture Hours: 1 Laboratory Hours: 0

DHYGN 139 1 HR. (OC)**SPECIAL POPULATIONS**

Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of "C" or better. Discussion in this course will focus on the signs and symptoms, as well as in office and home care modifications that are associated with special needs patients, gerodontic, and pediatric patients. Lecture Hours: 1 Laboratory Hours: 0

DHYGN 210 3 HRS. (OC)**COMMUNITY DENTAL HEALTH**

Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better. This course is a study of the dental hygienist's role in the promotion of oral health and prevention of oral disease in the community. The student will participate in community programs related to preventative dentistry. Lecture Hours: 3 Laboratory Hours: 0

DHYGN 212 2 HRS. (OC)**DENTAL MATERIALS**

Prerequisite: DHYGN 111, 131, 133, 135, 137, and 139, all with a grade of "C" or better. This course is a study of the various materials utilized by general dentists. Manipulation of the various dental materials is done in the laboratory. The use of student partners will be utilized to demonstrate the usage of selected materials. Lecture Hours: 1 Laboratory Hours: 2

DHYGN 220 0.5 HRS. (OC)**NITROUS OXIDE ANALGESIA**

Prerequisite: DHYGN 110, 111, 131, 133, 135, 137, and 139, all with a grade of "C" or better. This course is an introduction to anxiety and pain control using nitrous oxide/oxygen (N2O2) sedation in dental hygiene treatments. The use of student partners will be utilized to demonstrate the usage of selected materials. Lecture Hours: 0.5 Laboratory Hours: 0.5 or equivalent

DHYGN 222 3 HRS. (OC)**PREVENTIVE MODALITIES**

Prerequisite: DHYGN 111, 131, 133, 135, 137, 139, and FCS 110, all with a grade of "C" or better. This course will provide students with the knowledge and skills dental hygienists need to utilize selective preventive materials, and to understand and implement nutritional assessment as it relates to oral health. Student partners are used in the laboratory sessions. Lecture Hours: 2 Laboratory Hours: 2

DHYGN 226 1 HR. (OC)**LOCAL ANESTHETICS FOR THE DENTAL HYGIENIST**

Prerequisite: DHYGN 110, 212, 220, 222, 230, and 243, all with a grade of "C" or better. This course is an introduction to anxiety and pain control measures used in dental hygiene treatments and administration techniques for topical and injected anesthetics. The use of student partners will be utilized to demonstrate the usage of selected materials. Lecture Hours: 1 Laboratory Hours: 0.5

DHYGN 228 2 HRS. (OC)**NEW DIMENSIONS IN DENTAL HYGIENE**

Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better. This course is a study of the emerging trends in dental hygiene. The students will acquire knowledge and perform skills associated with new technology in the field of dentistry and dental hygiene. The use of student partners will be utilized to demonstrate the usage of selected materials. Lecture Hours: 1 Laboratory Hours: 2

DHYGN 230 2 HRS. (OC)**DENTAL HYGIENE CLINIC I**

Prerequisite: DHYGN 111, 131, 133, 135, 137, and 139, all with a grade of "C" or better. This course is a continued study of clinical dental hygiene, including: scaling, polishing, radiographic surveys, desensitization, oral inspection, charting, health histories, health education, and appointment planning. Planned and supervised clinical experiences are arranged in the dental hygiene clinic. Lecture Hours: 0 Laboratory Hours: 6

DHYGN 231 4 HRS. (OC)**DENTAL HYGIENE CLINIC II**

Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better. This course is a continuation of DHYGN 230 with emphasis on root planning, topical medical application, preparation of study casts, periodontal charting and the use of ultrasonic scalers. Planned and supervised clinical experiences are arranged in the dental hygiene clinic and outside agencies. Lecture Hours: 0 Laboratory Hours: 12

DHYGN 232 5 HRS. (OC)**DENTAL HYGIENE CLINIC III**

Prerequisite: DHYGN 210, 226, 228, 231, 244, and 245, all with a grade of "C" or better. This course is a continuation of DHYGN 231 with emphasis on increasing clinical competency and efficiency in those procedures the dental hygienist routinely performs in clinical practice. Students complete a case patient presentation which incorporates treatment planning, dietary analysis, counseling, caries susceptibility testing, and oral hygiene indices in addition to the oral prophylaxis. Planned and supervised clinical experiences are arranged in the dental hygiene clinic and outside agencies. Lecture Hours: 0 Laboratory Hours: 15

DHYGN 243 2 HRS. (OC)**ORAL PATHOLOGY**

Prerequisite: DHYGN 110, 113, 117, 131, 132, and BIOL 210, all with a grade of C or better, or department approval. This course covers the clinical and microscopic features of numerous types of oral diseases as well as their diagnosis and treatment. Lecture Hours: 2 Laboratory Hours: 0

DHYGN 244 2 HRS. (OC)**PERIODONTOLOGY**

Prerequisite: DHYGN 212, 220, 222, 230, 243 and BIOL 210, all with a grade of "C" or better. This course is a study of the disease processes affecting the supporting structures of the teeth. Emphasis is placed on the classification and etiology of periodontal disease. Discussions, correlated to clinical aspects of dental hygiene, stressing preventive periodontics, are held. Lecture Hours: 2 Laboratory Hours: 0

DHYGN 245 II 2 HRS. (OC)**ORAL PATHOLOGY**

Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better. This course is a continuation of Oral Pathology I, covering additional categories of diseases affecting the oral cavity, including their diagnosis and treatment.

Lecture Hours: 2 Laboratory Hours: 0

DHYGN 246 2 HRS. (OC)**TRANSITIONS FOR THE DENTAL HYGIENIST**

Prerequisite: DHYGN 210, 226, 228, 231, 244, and 245, all with a grade of "C" or better. This course examines the various issues that are faced by dental hygienists when making the transition from school to the workplace. This course will prepare the student by examining the legal and ethical issues facing dental professionals today. This course will focus on the various aspects of obtaining a license and seeking employment.

Lecture Hours: 2 Laboratory Hours: 0

DHYGN 247 1.5 HRS. (OC)**OFFICE PRACTICES IN DENTISTRY**

Prerequisite: DHYGN 210, 226, 228, 231, 244, and 245, all with a grade of "C" or better. This course is a study of the current office practices utilized in dentistry. The student will learn and apply a basic knowledge of office practices to aid in making the student more productive and employable.

Lecture Hours: 1 Laboratory Hours: 1

DHYGN 248 2 HRS. (OC)**PHARMACOLOGY FOR DENTAL HYGIENISTS**

Prerequisite: DHYGN 212, DHYGN 220, DHYGN 222, DHYGN 230 and DHYGN 243, all with a grade of "C" or better. This is a course of study of the pharmaceutical agents commonly used by patients whose systemic or oral conditions require special procedures in the dental office. Content includes pharmaceutical and therapeutic agents used as adjuncts in dental or dental hygiene procedures. Drug interactions and risk factors are discussed. Pharmacology will concentrate on general principles of pharmacology and drugs used in the provision of oral health care. Drugs used to control systemic disorders, and drugs used by special populations.

Lecture Hours: 2 Laboratory Hours: 0

DHYGN 249 1 HR. (OC)**PHARMACOLOGY II FOR DENTAL HYGIENISTS**

Prerequisite: DHYGN 210, DHYGN 226, DHYGN 228, DHYGN 231, DHYGN 244, DHYGN 245, and DHYGN 248 all with a grade of "C" or better. This is a course of study of the pharmaceutical agents commonly used by patients whose systemic or oral conditions require special procedures in the dental office. Content includes pharmaceutical and therapeutic agents used as adjuncts in dental or dental hygiene procedures. Pharmacology II for Dental Hygienists will concentrate on drugs used in the provision of oral health care, drugs used to control systemic disorders, and drugs used by special populations.

Lecture Hours: 1 Laboratory Hours: 0

DHYGN 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Diesel Powered Equipment Technology**DPET 130** 4 HRS. (OC)**PRINCIPLES OF INTERNAL COMBUSTION ENGINES**

Prerequisite: Department approval. This course will acquaint the student with internal combustion engines. Special emphasis is given to compression and carburetion. A comprehensive study is made of each component and its function. Laboratory practices include dis-assembly, measurement of components, repair and reassembly of both single and multi-cylinder engines.

Lecture Hours: 2 Laboratory Hours: 6

DPET 132 3 HRS. (OC)**ELECTRICAL SYSTEMS OF HEAVY EQUIPMENT**

Prerequisite: Department approval. This course teaches the basic principles of electricity and the application of these principles to heavy equipment. Major emphasis is placed on the application of these principles to realistic situations.

Lecture Hours: 2 Laboratory Hours: 3

DPET 133 3 HRS. (OC)**ENGINE REBUILDING, THEORY AND PRACTICE**

Prerequisite: DPET 130 with a grade of "C" or higher. This course covers cylinder head servicing, cylinder reconditioning, bearing and seal installation and analysis of engine components. Opportunity for learning by doing will be available in this course.

Lecture Hours: 1 Laboratory Hours: 5

DPET 134 3 HRS. (OC)**AIR CONDITIONING OF HEAVY EQUIPMENT**

Prerequisite: DPET 132 with a grade of "C" or higher. This course covers basic air-conditioning systems used on heavy equipment. Emphasis is placed on servicing equipment, troubleshooting, adjusting and repairing the air conditioning system.

Lecture Hours: 2 Laboratory Hours: 3

DPET 229 3 HRS. (OC)**HYDRAULICS**

Prerequisite: Department approval. This course is a practical study of basic principles and components of hydraulic circuits and the application of these principles to the agricultural and industrial construction equipment industry. Major emphasis is placed on developing student competencies in the areas of servicing and maintaining hydraulic equipment. Laboratory practices include dis-assembly and reassembly of components and circuits.

Lecture Hours: 2 Laboratory Hours: 3

DPET 230 2 HRS. (OC)**HARVESTING EQUIPMENT**

Prerequisite: DPET 130 and DPET 132, both with a grade of "C" or higher. This is a course to develop knowledge and skills necessary in adjustment, repair, and maintenance of harvesting equipment.

Lecture Hours: 1 Laboratory Hours: 3

DPET 231 2 HRS. (OC)**PLANTING AND TILLAGE EQUIPMENT**

Prerequisite: DPET 132 and DPET 229, both with a grade of "C" or higher. This course is a study of basic mechanical principles involved in the design and operation of planting equipment for crops of local importance. Emphasis is on assembly, field operation, adjustment, maintenance, and safety.

Lecture Hours: 1 Laboratory Hours: 3

DPET 232 3 HRS. (OC)**TRANSMISSIONS AND FINAL DRIVE**

Prerequisite: DPET 229 with a grade of "C" or higher. This course is a study of the various transmissions and differentials used in agricultural, and heavy equipment including constant mesh, sliding gear, hydrostatic, synchromesh, and planetary designs. An understanding of the operation, maintenance and adjustment of the clutch and brakes will be an integral part of this course.

Lecture Hours: 2 Laboratory Hours: 3

DPET 233 3 HRS. (OC)**OCCUPATIONAL INTERNSHIP AND SEMINAR I**

Prerequisite: Department approval. This supervised experience is required of students enrolled in the Diesel Powered Equipment Technology curriculum. The placement experience is obtained through the cooperation of an employer.

Student needs and objectives determine major emphasis.

Lecture Hours: 0 Laboratory Hours: 21

DPET 234 2 HRS. (OC)**INTRODUCTION TO DIESEL FUEL SYSTEMS**

Prerequisite: Department approval. This course is a practical study of the various diesel fuel systems used on agricultural and industrial-construction power units. Emphasis is on total system preventative maintenance. Nozzle removal, testing, dis-assembly, repair, and reassembly will also be covered.

Lecture Hours: 1 Laboratory Hours: 3

DPET 235 3 HRS. (OC)**ELECTRONIC CONTROLS/MONITORING SYSTEMS**

Prerequisite: DPET 132 with a grade of "C" or higher. This course will acquaint the student with the operation, application and testing of electronic control/monitoring systems used in heavy equipment applications. Laboratory practices include the use of digital multimeters, electronic reader/programmers and laptop computers.

Lecture Hours: 2 Laboratory Hours: 3

DPET 236 3 HRS. (OC)**HYDRAULIC SYSTEM ANALYSIS AND REPAIRS**

Prerequisite: DPET 229 with a grade of C or higher. This course is designed for inspecting, testing, and servicing and diagnosing hydraulic circuits, systems, and components, such as power steering, power brakes, and hydraulic transmissions. Appropriate testing procedures and equipment will be utilized.

Lecture Hours: 1 Laboratory Hours: 6

DPET 238 3 HRS. (OC)**OCCUPATIONAL INTERNSHIP AND SEMINAR II**

Prerequisite: Department approval. This supervised experience is required of students enrolled in the Diesel Powered Equipment Technology program. Student needs and objectives determine major emphasis.

Lecture Hours: 0 Laboratory Hours: 25

DPET 239 3 HRS. (OC)**TRUCK POWER TRAINS**

Prerequisite: DPET 232 with a grade of "C" or higher. This course will acquaint the student with truck power trains. Special emphasis will be given to diagnostic procedures. A comprehensive study will be made of each malfunction and test data interpretation. Laboratory practices will include proper use of diagnostic equipment, troubleshooting procedures, adjustment and repair of power train units.

Lecture Hours: 2 Laboratory Hours: 3

DPET 240 1 HR. (OC)**SERVICE CENTER MANAGEMENT**

Prerequisite: Department approval. This course is a study of the organization and operation of a profitable heavy equipment service department. Emphasis is placed on facilities, pricing service labor, accounting, warranty, reports, and supervising personnel.

Lecture Hours: 1 Laboratory Hours: 0

DPET 241 3 HRS. (OC)**MECHANICAL DIESEL FUEL SYSTEMS**

Prerequisite: DPET 130 with a "C" or higher. This course provides a thorough understanding of mechanical diesel fuel injection systems. Emphasis on skills and knowledge necessary to locate and correct operation malfunctions.

Lecture Hours: 2 Laboratory Hours: 3

DPET 242 3 HRS. (OC)**ELECTRONIC FUEL SYSTEMS**

Prerequisite: DPET 241 with a grade of "C" or higher. This course will acquaint the student with the mechanical and electronic operation of diesel electronic fuel systems. Special emphasis will be placed upon proper use of electronic service tools.

Lecture Hours: 2 Laboratory Hours: 3

DPET 243 2 HRS. (OC)**ENGINE PERFORMANCE ANALYSIS**

Prerequisite: DPET 241 and DPET 242, both with a grade of "C" or higher. This course is designed to provide a thorough understanding of the necessary diagnostic skills required for troubleshooting the diesel engine and fuel system. Emphasis will be placed upon knowledge and skills necessary to assure product reliability and performance. Diesel exhaust emission reduction strategies and troubleshooting will also be emphasized.

Lecture Hours: 1 Laboratory Hours: 3

DPET 244 2 HRS. (OC)**ADVANCED PRECISION SYSTEMS**

Prerequisite: DPET 132, DPET 229, or AGMEC 117 with a C, or better, or department approval. This course includes introductory concepts of machine auto guidance and telematics systems used on agricultural and industrial equipment.

Lecture Hours: 1 Laboratory Hours: 2

DPET 245 3 HRS. (OC)**TRUCK SUSPENSION, BRAKES AND CHASSIS**

Prerequisite: Department approval. This course is designed to study the suspension components of heavy trucks and tandem axle trailers. The course content will cover brakes, suspension and steering components.

Lecture Hours: 2 Laboratory Hours: 3

DPET 246 2 HRS. (OC)**INDUSTRY QUALIFICATIONS**

Prerequisite: DPET 132 and DPET 235, both with a grade of "C" or higher. This course will demonstrate students' proficiency relative to the Cummins engine product.

Lecture Hours: 2 Laboratory Hours: 0

DPET 255 **1 HR. (OC)**
INDEPENDENT STUDY

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
 Lecture Hours: 0 Laboratory Hours: 3 - 15

Drug and Alcohol Counselor Training

DACT 105 **3 HRS. (OC)**
INTRODUCTION TO SUBSTANCE ABUSE AND RECOVERY

Prerequisite: Department approval. In this course students will be introduced to basic concepts and issues in substance abuse/dependence, treatment, and recovery. The student will also learn about assessment regarding substance use disorders and gain information related to both professional and nonprofessional (eg; AA, NA) options and methods for recovery from substance use disorders.
 Lecture Hours: 3 Laboratory Hours: 0

DACT 110 **3 HRS. (OC)**
FOUNDATIONS I

Prerequisite: Department approval. This course introduces the student to the history, modes, rules and regulations of alcohol and drug treatment. Specific topics of discussion will include evolution of response systems for treatment, delivery systems such as out-patient and residential treatment and accepted procedures for intake, discharge, confidentiality and client rights.
 Lecture Hours: 3 Laboratory Hours: 0

DACT 111 **3 HRS. (OC)**
ADDICTION COUNSELING I

Prerequisite: Department approval. This course introduces the student to the clinical issues and strategies related to initial contacts with a client, preparation of the client for a successful treatment experience and the issues and concerns of the first phase of drug and alcohol treatment. Specific topics considered in this course include client screening, intake procedures, orientation procedures, assessment, treatment planning and modes of treatment.
 Lecture Hours: 3 Laboratory Hours: 0

DACT 112 **3 HRS. (OC)**
FOUNDATIONS II

Prerequisite: DACT 110 with a grade of "C" or better and department approval. This course teaches students about psychoactive pharmacology, the signs and symptoms of drug and alcohol addiction and the major theoretical systems for understanding the effects of drugs on human behavior.
 Lecture Hours: 3 Laboratory Hours: 0

DACT 113 **3 HRS. (OC)**
ADDICTION COUNSELING II

Prerequisite: DACT 111 with a grade of "C" or better and department approval. This course teaches the student about the core area skills of drug and alcohol counselor training. Those skills include case management, crisis intervention, client education, referral, recordkeeping, and consultation and professional networking.
 Lecture Hours: 3 Laboratory Hours: 0

DACT 141 **1 HR. (OC)**
SPECIAL TOPICS IN ADDICTIONS STUDIES

Prerequisite: Department approval. This course explores major issues facing correctional employees in the realm of addictionology. Repeatable up to three times for credit if the topic is different.
 Lecture Hours: 1 Laboratory Hours: 0

DACT 142 **2 HRS. (OC)**
CONTEMPORARY ISSUES: DRUGS & ALCOHOL

Prerequisite: Department Approval. This course will examine basic policy problems related to alcohol and drugs, including legislation, professionalism, education, training, literature and research, procedures, administration, and social problems.
 Lecture Hours: 2 Laboratory Hours: 0

DACT 210 **3 HRS. (OC)**
ADDICTION COUNSELING III

Prerequisite: DACT 113 with a grade of "C" or better and department approval. This course focuses on professional ethics, special populations, and clinical supervision in drug and alcohol treatment.
 Lecture Hours: 3 Laboratory Hours: 0

DACT 211 **3 HRS. (OC)**
COUNSELING AND HUMAN CHANGE

Prerequisite: DACT 113 with a grade of "C" or better and department approval. This course introduces the student to basic models of counseling in drug and alcohol treatment. Topics of discussion will include the disease model of addiction, the acquired hedonic cost habituation syndrome model, behavioral approaches, cognitive approaches and eclectic combinations based on client need.
 Lecture Hours: 3 Laboratory Hours: 0

DACT 212 **9 HRS. (OC)**
INTERNSHIP SEMINAR

Prerequisite: Department approval. This course demonstrates the ability to use the theories and skills acquired in the Drug and Alcohol Counselor Training (DACT) program in an agency setting and the preparation necessary to successfully complete the Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification exam.
 Lecture Hours: 3 Laboratory Hours: 25

Earth Science

EASC 111 **4 HRS. (TC)**
SURVEY OF EARTH SCIENCE (P1 905L)

Prerequisite: Approved reading placement score, or equivalent. This course surveys the four main areas of earth science (geology, oceanography, meteorology and astronomy). Topics include Earth materials (rocks and minerals), the formation and history of the earth, surface processes, plate tectonics, weather and climate, and Earth's place in the solar system. This course is particularly suited for students not majoring in the sciences.
 Lecture Hours: 3 Laboratory Hours: 2

EASC 116 **4 HRS. (TC)**
INTRODUCTION TO GEOLOGY (P1 907L)

Prerequisite: Approved reading placement score, or equivalent. This course is a survey of geology designed as an introduction for beginning students. It includes the study of earth materials, natural resources, geologic time, and the processes that shape our planet such as earthquakes, volcanic activity, weathering, rivers, glaciers, and more. Local and regional field trips are required.
 Lecture Hours: 3 Laboratory Hours: 2

EASC 117 3 HRS. (TC)**INTRODUCTION TO WEATHER AND CLIMATE (P1905)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 098 or completion of high school Algebra 2 or MATH 099 with a grade of "C" or better or appropriate placement score or department approval. This course explores the basic understanding of the processes that produce our weather and climate. In addition to studying the elements of weather and climate – temperature, moisture, pressure, and wind – the course examines the causes for day-to-day weather changes, the nature of violent storms such as tornadoes and hurricanes, and surveys world climatic patterns. A study of air pollution and human impact on urban and global climates are also included.

Lecture Hours: 3 Laboratory Hours: 0

EASC 118 4 HRS. (TC)**INTRODUCTION TO WEATHER AND CLIMATE (P1 905L)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 098 with a "C" or better or equivalent. This course explores the basic understanding of the processes that produce our weather and climate. In addition to studying the elements of weather and climate -- temperature, moisture, pressure, and wind -- the course examines the causes for day-to-day weather changes, the nature of violent storms such as tornadoes and hurricanes, and surveys world climatic patterns. A study of air pollution and human impact on urban and global climates, as well as natural and unnatural causes of climate change are also included.

Lecture Hours: 3 Laboratory Hours: 2

EASC 250 4 HRS. (TC)**FIELD GEOLOGY (P1 907)**

Prerequisite: Approved reading placement score, or equivalent. This course includes field studies of the geology of various regions of North America. Stress is placed on the geologic history of the regions under investigation, and on the geologic and climatic processes which have shaped the physical landscape. Students are required to take exams, complete field exercises, record data in a field notebook, and submit a project that reviews the geology of the region. Students must be physically fit for camping and hiking. This course is often taught concurrently with BIOL 250. Ten hours of class presentation followed by three weeks of field study.

Lecture Hours: 2 Laboratory Hours: 4

Economics**ECON 105 3 HRS. (OC)****SURVEY OF ECONOMIC PRINCIPLES**

Prerequisite: MATH 094 with a grade of "C" or better or equivalent. This course is designed to help the student understand how the American economy works and the student's role in it. An examination is made of the elementary concepts of price determination, resource allocation, market structures, fiscal policy, monetary policy, and international trade policy.

Lecture Hours: 3 Laboratory Hours: 0

ECON 110 3 HRS. (TC)**PRINCIPLES OF MACROECONOMICS (S3 901)**

Prerequisite: Approved reading placement score, or equivalent and MATH 094 or higher with a grade of "C" or better, or equivalent. This course is an examination of the assumptions underlying the Classical and Keynesian economic theories. In addition, a thorough analysis is made of contemporary fiscal, monetary, and international trade theory.

Lecture Hours: 3 Laboratory Hours: 0

ECON 111 3 HRS. (TC)**PRINCIPLES OF MICROECONOMICS (S3 902)**

Prerequisite: Approved reading placement score, or equivalent and MATH 094 or higher with a grade of "C" or better, or equivalent. This course is a thorough analysis of price determination and resource allocation under the major market structures of American capitalism. Market structures are examined from the standpoint of economic efficiency and societal welfare.

Lecture Hours: 3 Laboratory Hours: 0

Education**EDUC 111 3 HRS. (TC)****INTRODUCTION TO AMERICAN EDUCATION**

Prerequisite: Approved reading placement score, or equivalent. An introduction to the field of American education, this course will cover history, philosophy, financing, legal aspects, and current issues of American education. Students will be given a general overview of how American schools came to be and how they function today. They will be introduced to the Illinois Professional Teaching Standards. Students will participate in a minimum of 15 documented clinical experiences involving observation of child learners and practitioners at work, according to specified guidelines.

Lecture Hours: 3 Laboratory Hours: 0

EDUC 211 3 HRS. (TC)**INTRODUCTION TO THE EXCEPTIONAL INDIVIDUAL**

Prerequisite: Approved reading placement score, or equivalent. This course is an overview and orientation to the field of special education. The student studies the characteristics and educational provisions for exceptional individuals: children and adolescents with visual or hearing impairments; communication disorders; health impairments; learning disabilities; mental retardation; behavior disorders; gifted and talented abilities; pervasive developmental disorders; multiple and severe disorders, and at-risk behaviors.

Lecture Hours: 3 Laboratory Hours: 0

EDUC 212 2 HRS. (TC)**FIELD EXPERIENCE IN EDUCATION**

Prerequisite: EDUC 111 with a grade of "C" or better. This course is designed to provide the student with practical experience in the public/private schools and/or other educational agencies under the supervision of competent professional educators. The course is aligned with the Illinois Professional Teaching Standards and emphasizes the communication, responsibility, and collaboration dispositions needed for teaching. Usually taught in one-half school day per week in the field and two, two-hour classes per month.

Lecture Hours: 1 Laboratory Hours: 3

EDUC 213 3 HRS. (TC)**DIVERSE LEARNERS IN THE CLASSROOM**

Prerequisite: Approved reading placement score, or equivalent. This course is a study of learners who are at risk of failure, who exhibit exceptional ability or disability, and those who may be English Language Learners. It is also the study of strategies educators use to meet their needs. It prepares the future teacher by providing knowledge of assistive technology, early intervention, differentiation, and universal design for learning needed to modify instruction and curricula for diverse learners included in the traditional classroom.

Lecture Hours: 3 Laboratory Hours: 0

Electronics Servicing**ELCTS 131 2 HRS. (OC)****INTRODUCTION TO BASIC ELECTRICITY**

Prerequisite: Appropriate math placement score or departmental approval. This course is designed to give the student the basic computational and laboratory skills needed for further study in electronics. The student will develop the necessary skills while learning the fundamental principles and terminology of the fields of electricity and electronics.

Lecture Hours: 1 Laboratory Hours: 3

ELCTS 132 2 HRS. (OC)**SERVICE ELECTRONICS -D.C. CIRCUITS**

Prerequisite: Appropriate math placement score or departmental approval. This study lays the foundation for all of the electronics with the study of Ohm's Law and its application to D.C. circuits. Major topics include: Ohm's Law, series circuits, parallel circuits, combination circuits, Kirchhoff's Laws, and power relationships. Major emphasis is placed on hands-on laboratory experimentation.

Lecture Hours: 1 Laboratory Hours: 3

ELCTS 133 **SERVICE ELECTRONICS - A.C. CIRCUITS** **2 HRS. (OC)**
 Prerequisite: ELCTS 132 with a grade of 'C' or better or departmental approval. This course builds on the foundation established in D.C. circuits, and includes the analysis and application of A.C. circuits. Topics include alternating current and voltage, capacitance, inductance, series, parallel and complex circuits as well as phasor concepts applied to A.C. circuits. Three phase industrial power is also introduced in this principles course.
 Lecture Hours: 1 Laboratory Hours: 3

ELCTS 134 **SERVICE ELECTRONICS - BASIC SOLID STATE** **2 HRS. (OC)**
 Prerequisite: ELCTS 133 with a grade of "C" or better or departmental approval. This course introduces the student to basic solid state devices and circuits, including common applications of diodes and transistors. Laboratory activities will further develop the student's ability to analyze circuit performance by using modern test equipment.
 Lecture Hours: 1 Laboratory Hours: 3

ELCTS 135 **SERVICE ELECTRONICS - ADVANCED SOLID STATE** **2 HRS. (OC)**
 Prerequisite: ELCTS 134 with a grade of "C" or better or departmental approval. This course is a continuation of ELCTS 134. It uses the principles of that course and applies them to power supplies (including filtering), power amplifiers, linear integrated circuits (operational amplifiers and hybrid Integrated Circuits) and an introduction to solid state control used for motors, relays and the silicon controlled rectifier.
 Lecture Hours: 1 Laboratory Hours: 3

ELCTS 136 **SERVICE ELECTRONICS - DIGITAL CIRCUITS** **2 HRS. (OC)**
 Prerequisite: ELCTS 133 with a grade of "C" or better or departmental approval. This course is designed to teach the student the fundamentals of digital circuits. A wide range of digital circuits and systems will be presented and the student will learn to analyze and troubleshoot them.
 Lecture Hours: 1 Laboratory Hours: 3

Electronics Technology

ELCTK 111 **RESIDENTIAL AND COMMERCIAL WIRING** **2 HRS. (OC)**
 This course is intended to acquaint the student with the fundamentals of residential and commercial wiring. Selected topics will be covered including: mapping an electrical system, wires and conduit, switching, switches, substituting new plugs and receptacles for old ones, installing new wiring (both indoors and outdoors), and how to check the work. Students will repair and install basic electrical devices under the instructor's supervision.
 Lecture Hours: 1 Laboratory Hours: 2

ELCTK 112 **ELECTRONIC CAD APPLICATIONS I** **2 HRS. (OC)**
 Prerequisite: ELCTS 136 with a grade of 'C' or better or departmental approval. This course teaches the student to use a variety of computer programs to analyze the operation of both digital and analog electronic circuits. The students will predict the performance of various circuits using analysis programs similar to those used in industry and will build and test the circuits to measure the actual performance. Both special purpose and general purpose analysis programs will be used.
 Lecture Hours: 1 Laboratory Hours: 3

ELCTK 145 **FUNDAMENTAL DIGITAL ELECTRONICS** **4 HRS. (OC)**
 Prerequisite: Credit or concurrent enrollment in MATH 106 or higher. This course deals with the fundamental building blocks of digital electronics and virtually the entire course revolves around integrated circuit micro-electronics. Topics included range from AND, OR, NAND and NOR GATES, on the outside to RAMS, registers, and arithmetic logic units at the end.
 Lecture Hours: 3 Laboratory Hours: 3

ELCTK 150 **INDUSTRIAL ELECTRICITY** **4 HRS. (OC)**
 Prerequisite: ELCTS 133 with a grade of "C" or better or departmental approval. This course introduces the student to basic motors and motor control theory. Topics include National Electrical Code, test equipment, print reading, over current protection, magnetic and ladder devices, D.C. motors and generators, and A.C. motors and generators.
 Lecture Hours: 3 Laboratory Hours: 3

ELCTK 151 **ELECTRICAL SYSTEMS TROUBLESHOOTING** **3 HRS. (OC)**
 Prerequisite: ELCTK 150 with a grade of "C" or better or departmental approval. This course introduces the student to the methods and equipment used to maintain, troubleshoot and repair industrial electrical systems. Topics include the effective use of test equipment, various approaches to troubleshooting electrical systems, a review of electrical motor theory, and preventive maintenance of electrical systems. Applicable portions of the National Electrical Code are included. Safe work habits are emphasized throughout the course.
 Lecture Hours: 1 Laboratory Hours: 6

ELCTK 202 **INDUSTRIAL ELECTRONICS** **3 HRS. (OC)**
 Prerequisite: Departmental approval. This course familiarizes the student with rotating machinery found in present day industry and the necessary electronic equipment to maintain control over it. The students will also analyze process control circuits to the extent necessary to repair them.
 Lecture Hours: 2 Laboratory Hours: 3

ELCTK 215 **PROGRAMMABLE CONTROLLERS** **4 HRS. (OC)**
 Prerequisite: ELCTK 150 with a grade of 'C' or better or departmental approval. This course is designed to give the student basic knowledge of Programmable Logic Controller (PLC) concepts and applications. Major emphasis is applied to Input/ Output (I/O) addressing, software instructions, and troubleshooting a PLC managed system.
 Lecture Hours: 3 Laboratory Hours: 3

ELCTK 220 **TRANSDUCERS AND ELECTRONIC INSTRUMENTS** **4 HRS. (OC)**
 Prerequisite: ELCTS 135 with a grade of 'C' or better or concurrent enrollment in ELCTS 135 or departmental approval. This course will provide the student the opportunity to become proficient in the selection and use of transducers and instrumentation. The student is required to solve associated instrumentation problems similar to those found in industry. Equipment used includes electronic counters, digital voltmeters, function generators, oscilloscopes, and computer based data acquisition. A special emphasis will be placed on practical, hands-on experience in the laboratory.
 Lecture Hours: 3 Laboratory Hours: 3

ELCTK 230 **ADVANCED SOLID STATE ELECTRONICS** **3 HRS. (OC)**
 Prerequisite: ELCTK 220 and ELCTK 245 both with a grade of "C" or better or departmental approval. This course includes solid state circuit applications to process control systems. The emphasis is on a quantitative approach to system design, analysis, and troubleshooting. The course includes both analog and digital process control systems and circuits.
 Lecture Hours: 2 Laboratory Hours: 3

ELCTK 231 4 HRS. (OC)**INDUSTRIAL ELECTRONICS**

Prerequisite: ELCTK 151, ELCTK 215, and ELCTK 245, all with a grade of "C" or better or departmental approval. This course introduces the student to the application of modern solid state electronics to industrial systems. Topics include A.C., D.C., and servo drives and controllers of various types and their use in machine control and numerical control systems.

Lecture Hours: 3 Laboratory Hours: 3

ELCTK 232 3 HRS. (OC)**ELECTRONICS SYSTEMS TROUBLESHOOTING**

Prerequisite: ELCTK 215 with a grade of "C" or better or departmental approval. This course introduces the student to the methods and equipment used to maintain, troubleshoot, and repair industrial electronic systems. Topics include the effective use of test equipment, various approaches to troubleshooting electronic systems, and the proper adjustment and calibration of such systems. Emphasis is on solid state drive, control, and instrumentation systems. Safe work habits are emphasized throughout the course.

Lecture Hours: 1 Laboratory Hours: 6

ELCTK 241 0.5 HRS. (OC)**SPECIAL TOPICS**

Prerequisite: Departmental approval. This special topics course will vary to allow an examination of various topics of interest in the electrical/electronics area. Each section offered will present a unique topic of value to students in Industrial Electrical Technology. This course may be repeated three times if the topic and content are different. Lecture hours per week will vary depending upon the credit given and course content in each section offered.

Lecture Hours: 0.5 - 3 Laboratory Hours: 0

ELCTK 245 4 HRS. (OC)**MICROPROCESSORS AND MICROCONTROLLERS**

Prerequisite: ELCTS 135 and ELCTS 136 both with a grade of "C" or better or departmental approval. This course will introduce the student to the organization of data flow within a digital computer. The student will use a basic instruction set to demonstrate data transfer, basic logic, and arithmetic functions performed by a computer. The major emphasis will be on microcontrollers and their application to control and interfacing.

Lecture Hours: 3 Laboratory Hours: 3

ELCTK 246 3 HRS. (OC)**MICROCONTROLLER SYSTEMS AND APPLICATIONS**

Prerequisite: ELCTK 245 with a grade of "C" or better. This course is designed to extend the student's ability to analyze, develop, and troubleshoot microprocessor-based systems. Major topics include: advanced microprocessor architecture and instruction sets, the development of microprocessor-based systems, peripheral interfacing (both devices and systems), data communication standards, and C language and assembly language application programming.

Lecture Hours: 2 Laboratory Hours: 3

ELCTK 250 3 HRS. (OC)**ELECTRONIC COMMUNICATIONS**

Prerequisite: ELCTS 135 and ELCTS 136 both with a grade of "C" or better. This course will study the methods of transmitting and receiving information. The course will include a study of the spectrum of these signals, circuits used in transmitters and receivers, transmission lines, and antennas.

Lecture Hours: 2 Laboratory Hours: 3

ELCTK 252 3 HRS. (OC)**ELECTRONICS PROJECT MANAGEMENT**

Prerequisite: ELCTK 215 and ELCTK 245 both with a "C" or better or departmental approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to the Industrial Electrical Technology program curriculum. A written plan for the project is developed and presented to a faculty advisor for possible approval. The plan will include a detailed description of the project, the number and names of the team members assigned to it, the evaluative criteria to be used, and other relevant matters. The project is carried out under the periodic direction of the faculty member. Throughout the semester the student is required to provide progress updates which are submitted to the faculty advisor and remain on file within the department, together with a final written report submitted to the faculty member by the student. The course is intended to provide a working knowledge of project management techniques similar to those employed in the work environment.

Lecture Hours: 1 Laboratory Hours: 4

ELCTK 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Emergency Medical Technician**EMS 106 1 HR. (OC)****EMERGENCY MEDICAL TECHNICIAN (EMT) REFRESHER**

Prerequisite: EMS 114 with a grade of "C" or better, or equivalent; department approval. This course provides the EMT with up-to-date knowledge in content areas such as legal and ethical issues, airway management and ventilation, cardiac care and resuscitation, patient assessment, medical emergency and injury management, medication administration, and incident management. This course meets the requirements for EMT re-certification through the National Registry of Emergency Medical Technicians (NREMT) and participants will receive credit for 24 hours of continuing education through the Illinois Department of Public Health (IDPH).

Lecture Hours: 1 Laboratory Hours: 0.5

EMS 112 2 HRS. (OC)**EMERGENCY MEDICAL RESPONDER (EMR)**

Prerequisite: HLTH 041 with a grade of "C" or better or equivalent. This course is designed to meet the emergency care training needs of those individuals responding to the initial call for emergency care assistance such as police officers, firefighters, industrial health personnel, teachers, etc. The Emergency Medical Responder provides care prior to the arrival of higher-level trained personnel such as EMTs, Paramedics, nurses or physicians. Emphasis is placed on airway management, patient assessment, and treatment of medical or trauma emergencies. Upon successful completion of this course, students may apply to take the Emergency Medical Responder licensure exam.

Lecture Hours: 1 Laboratory Hours: 2

EMS 114 **8 HRS. (OC)**
EMERGENCY MEDICAL TECHNICIAN (EMT)
 Prerequisite: High school graduate or equivalent; and Accuplacer Reading score 44 or greater; or equivalent reading placement score; or department approval. This course is designed to prepare students to care for the victims of medical and traumatic emergencies, with an emphasis on the assessment of victims of illness and injury, and application of proper emergency care procedures. Upon successful completion of EMS 114, students may apply to take the Illinois Department of Public Health or National Registry of Emergency Medical Technicians EMT licensure exam.
 Lecture Hours: 7 Laboratory Hours: 3

EMS 116 **1 HR. (OC)**
TRAUMA LIFE SUPPORT
 Prerequisite: Current Illinois or National Registry of Emergency Medical Technicians EMT, EMT-I, AEMT, or Paramedic licensure/certification or equivalent; department approval. This course is designed to enhance and build on the student's existing knowledge and training in the treatment of a trauma victim. Emphasis will be placed on patient assessment and management. Course topics include rapid assessment, resuscitation, stabilization and transportation of trauma victims. Students successfully completing the course will earn certification in trauma life support by an accredited certifying agency.
 Lecture Hours: 1 Laboratory Hours: 0.5

EMS 117 **1 HR. (OC)**
ADVANCED CARDIAC LIFE SUPPORT (ACLS)
 Prerequisite: Current American Heart Association - Healthcare Provider CPR certification; physician, nursing, EMT, paramedic, respiratory therapy, or other appropriate allied/clinical health personnel; department approval. This course is designed to provide specialized instruction in the management of cardiovascular related emergencies and to prepare emergency and critical care personnel such as physicians, nurses, emergency medical technicians, paramedics, respiratory therapists, and other appropriate healthcare professionals to provide treatment for a cardiovascular emergency. Upon successful completion of the course, the student will be issued an American Heart Association ACLS provider card.
 Lecture Hours: 1 Laboratory Hours: 0.5

EMS 118 **1 HR. (OC)**
PEDIATRIC EDUCATION FOR PRE-HOSPITAL PROVIDERS (PEPP)
 Prerequisite: Current Illinois or National Registry of Emergency Medical Technicians EMT, EMT-I, AEMT, or Paramedic licensure/certification or equivalent; department approval. This course provides specialized instruction for the pre-hospital provider in the assessment and management of pediatric emergencies. Instruction will focus on child and family interaction and communication, assessment and treatment of medical and traumatic emergencies, as well as patient stabilization and transport. Students successfully completing the course will be issued a PEPP course completion card through the American Academy of Pediatrics (AAP).
 Lecture Hours: 1 Laboratory Hours: 0.5

EMS 120 **1 HR. (OC)**
EMT PRACTICUM
 Prerequisite: EMS 114 with a grade of "C" or better or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; Accuplacer score of at least "44"; department approval. This course provides a planned and supervised clinical experience with local transport and non-transport emergency medical services agencies. During this course, students will be provided the opportunity to participate as a member of the healthcare delivery team in order to enhance the knowledge and skills learned in the Emergency Medical Technician (EMT) course.
 Lecture Hours: 0 Laboratory Hours: 5 - 15

EMS 230 **7 HRS. (OC)**
PARAMEDIC I
 Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; completion of, or concurrent enrollment in EMS 120; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least "72"; department approval. This course is the first of six designed to prepare the student to function as a Paramedic. Instruction in the roles and responsibilities of the Paramedic, ethical and legal aspects of emergency care, as well as in-depth study of anatomy and physiology/pathophysiology relevant to emergency care will be provided. Instruction in patient assessment will also be provided. Practical laboratory sessions and selected clinical experiences will provide patient contact opportunities to correlate with the course content.
 Lecture Hours: 6 Laboratory Hours: 2

EMS 231 **7 HRS. (OC)**
PARAMEDIC II
 Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; completion of, or concurrent enrollment in EMS 120; EMS 230 or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This course is the second of six designed to prepare the student to function as a Paramedic. Detailed instruction in airway management, pharmacology, and medication administration will be provided. Further instruction will focus on the pathophysiology and management of trauma, to include assessment of the trauma patient, management of traumatic injuries, and current trends in trauma management. Practical laboratory sessions and selected clinical experiences provide patient contact opportunities to correlate with the course content.
 Lecture Hours: 6 Laboratory Hours: 3

EMS 232 **7.5 HRS. (OC)**
PARAMEDIC III
 Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; completion of, or concurrent enrollment in EMS 120; EMS 231 with a grade of "C" or better or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This is the third of six courses designed to prepare the student to function as a Paramedic, and provides concentrated instruction in the assessment and management of medical emergencies such as cardiac, respiratory, and neurological conditions. Instruction in intravenous therapy and administration of appropriate medications, as well as electrocardiogram interpretation will also be provided. Practical laboratory sessions and selected clinical experiences provide patient contact opportunities to correlate with the course content.
 Lecture Hours: 7 Laboratory Hours: 1

EMS 233 **6.5 HRS. (OC)**
PARAMEDIC IV
 Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; completion of, or concurrent enrollment in EMS 120; EMS 232 or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This is the fourth of six courses designed to prepare the student to function as a Paramedic, and provides concentrated instruction in the assessment and management of neonatal, pediatric, OB/GYN and geriatric emergencies. Diverse patient populations such as those with behavioral disorders, long-term care and the chronically ill patient will be studied and discussed. Practical laboratory sessions and selected clinical experiences provide patient contact opportunities to correlate with the course content.
 Lecture Hours: 6 Laboratory Hours: 1

EMS 240 **PARAMEDIC PRACTICUM I** **3 HRS. (OC)**
 Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; EMS 120; EMS 233 or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This course (EMS 240) is the fifth of six courses designed to prepare the student to function as a Paramedic, and gives the student field experience with an advanced life support unit. The experiences gained during this course will further develop the skills and knowledge gleaned in EMS 230-233.
 Lecture Hours: 0 Laboratory Hours: 15

EMS 241 **PARAMEDIC PRACTICUM II** **3 HRS. (OC)**
 Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; EMS 120 with a grade of "C" or better; EMS 240 with a grade of "C" or better or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This course is the last of six courses designed to prepare the student to function as a Paramedic and is a continuation of EMS 240. The student will participate in field clinical experiences with an advanced life support unit. Emphasis will be placed on enhancement of team leadership abilities, critical thinking skills and differential diagnosis of the ill or injured patient. The experiences gained during this course will further develop the skills and knowledge gleaned in EMS 230-233 and EMS 240.
 Lecture Hours: 0 Laboratory Hours: 15

EMS 255 **INDEPENDENT STUDY** **1 HR. (OC)**
 Prerequisite: Current Illinois or National Registry of Emergency Medical Technicians EMT, EMT-I, AEMT, or Paramedic licensure/certification or equivalent; department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. Repeatable up to a maximum of five semester hours of credit.
 Lecture Hours: 0 Laboratory Hours: 3 - 15

Energy Efficiency & Renewable Energy

EERE 120 **SOLAR DOMESTIC HOT WATER** **1 HR. (OC)**
 This course will prepare students for entry level work in the solar water heating field and will help facilities managers, architects, planners, home owners, and government officials to understand the workings and benefits of solar domestic hot water systems.
 Lecture Hours: 1 Laboratory Hours: 0

EERE 121 **SOLAR SPACE HEATING** **1 HR. (OC)**
 Prerequisite: EERE 120 with a grade of "C" or better. This course will help professional installers understand how solar space heating can be accomplished and will help facilities managers, architects, planners, home owners, and government officials to understand the workings and benefits of solar heating.
 Lecture Hours: 1 Laboratory Hours: 0

EERE 122 **RESIDENTIAL SDHW SITE ASSESSOR** **2 HRS. (OC)**
 Prerequisite: EERE 120 with a grade of "C" or better.
 In this course, students will learn how to assess a home for its potential for a solar domestic hot water (SDHW) system. Students will learn how to define a site's solar window, interpret solar radiation and temperature data, size a system, identify system components, determine the best location for collectors, and determine structural integrity for an installation.
 Lecture Hours: 2 Laboratory Hours: 0

EERE 123 **SOLAR WATER HEATING LAB** **3 HRS. (OC)**
 Prerequisite: EERE 120 with a grade of "C" or better.
 In this course, students will learn the basics of how to properly install two types of solar domestic hot water systems suitable for northern climates. The hands-on course includes both theory and installation practice. Participants will work as a group to install both a drain back and pressurized closed-loop system on a training roof. This course will qualify the student to be on the Focus on Energy Full Service Installer list, provides fourteen Wisconsin Department of Commerce continuing education units, and twenty-one North American Board Certified Energy Practitioners (NABCEP) continuing education credits.
 Lecture Hours: 1 Laboratory Hours: 4

EERE 124 **SOLAR THERMAL DESIGN** **2 HRS. (OC)**
 Prerequisite: EERE 123 with a grade of "C" or better.
 In this course, students will learn the principles and application of hot water load analysis, component sizing, heat storage, heat distribution, and system efficiency in the design of solar thermal systems. Students will work to apply these considerations as they design four solar thermal systems based on actual case studies of space heating, domestic hot water, process heating, and pool heating systems.
 Lecture Hours: 2 Laboratory Hours: 0

EERE 130 **SOLAR THERMAL HEATING SYSTEMS I** **4 HRS. (OC)**
 Prerequisite: REACT 120 and DECON 102 both with a grade of "C" or better. In this course, students will learn the components of the different types of residential solar domestic hot water (SDHW) systems and residential solar thermal space heating systems and assemble the primary components on a solar thermal trainer. Also, students will learn how to assess a home for its potential for a solar domestic hot water (SDHW) system/solar thermal space heating system.
 Lecture Hours: 3 Laboratory Hours: 2

EERE 135 **SOLAR THERMAL HEATING SYSTEMS II** **4 HRS. (OC)**
 Prerequisite: EERE 130 with a grade of "C" or better.
 In this course, students will learn the principles and applications of hot water/air load analysis, component sizing, heat storage, heat distribution, and system efficiency in the design of solar thermal systems. Students will work to apply these principles as they design four solar thermal heating systems based on actual case studies of space heating, domestic hot water, process heating, and pool heating systems. Also, students will learn how to properly install two types of solar domestic hot water systems suitable for northern climates and build a solar air collector. Students can build their own dry/wet collector to take home if the student provides the construction materials.
 Lecture Hours: 3 Laboratory Hours: 3

Engineering

ENGR 110 1 HR. (TC) INTRODUCTION TO ENGINEERING

Prerequisite: Credit or concurrent enrollment in MATH 165 or higher. This course provides an introduction to the engineering profession. Informed educational and career choices are facilitated through discussions with guest speakers from industry and transfer universities. Skills are developed in engineering problem solving and the use of the personal computer for word processing, spreadsheet analysis, and equation solving. A team design project is included.

Lecture Hours: 1 Laboratory Hours: 1

ENGR 113 3 HRS. (TC) ENGINEERING GRAPHICS/CAD (EGR 941)

Prerequisite: Credit in MATH 120 or higher with a grade of "C" or better or department approval. This is a course in hand-sketching and computer-aided design, modeling, and drawing techniques. Topics include: lettering/text, scaling, multiview first and third angle orthographic projections, pictorial presentation, descriptive geometry with auxiliary views, sections, dimensioning, tolerancing, fasteners, assemblies and production drawings.

Lecture Hours: 2 Laboratory Hours: 3

ENGR 230 3 HRS. (TC) PROGRAMMING ENGINEERING APPLICATIONS

Prerequisite: MATH 222 with a grade of "C" or better and introductory computer skills. This course uses a high-level programming language to solve specific mathematical and scientific problems applying various mathematical techniques, including numerical and matrix algebra. Structured design is stressed as an essential part of programming each exercise. The course is intended to provide a tool for the engineering student to be able to design their own programs.

Lecture Hours: 2 Laboratory Hours: 3

ENGR 240 4 HRS. (TC) ENGINEERING CIRCUIT ANALYSIS (EGR 931)

Prerequisite: A grade of "C" or better in PHYS 212; Credit with a grade of "C" or better or concurrent enrollment in MATH 250. This is the first electrical engineering circuit analysis course which includes the study of the principles of circuit operation as well as the mathematical techniques used to analyze circuit behavior under both transient and steady-state conditions, including loop and nodal equations, network theorems, and matrix methods.

Lecture Hours: 4 Laboratory Hours: 0

ENGR 241 2 HRS. (TC) ELECTRICAL ENGINEERING LAB (EGR931L)

Prerequisite: Credit with a "C" or better, or concurrent enrollment in ENGR 240. This is the basic electrical engineering laboratory course which acquaints the student with the methods and equipment used in a variety of experimental investigations. It serves as a foundation for more advanced electrical engineering lab work.

Lecture Hours: 1 Laboratory Hours: 3

ENGR 242 3 HRS. (TC) DIGITAL SYSTEMS ENGINEERING (EGR 932)

Prerequisite: ENGR 230 with a grade of "C" or better or CMPSC 125 with a grade of "C" or better or department approval. This course introduces the student to the analysis and design of digital circuits and systems. Topics include: analog and digital information representation, combinational and sequential switching circuits and hardware, stored program systems, and an introduction to microprocessors.

Lecture Hours: 3 Laboratory Hours: 0

ENGR 251 3 HRS. (TC) STATICS (EGR 942)

Prerequisite: PHYS 211 with a "C" or better, and MATH 224 with a "C" or better or concurrent enrollment in MATH 224. This course is a fundamental study of static equilibrium and its applications. Topics include algebraic and vector solutions of equilibrium of 2- and 3- dimensional force systems; analysis of forces acting on members of trusses, frames, machines and beams; distributed forces; forces due to friction and fluids; calculation of centroids and moments of inertia using both integration and the method of composites; the principle of virtual work.

Lecture Hours: 3 Laboratory Hours: 0

ENGR 252 3 HRS. (TC) DYNAMICS (EGR 943)

Prerequisite: ENGR 251 with a grade of "C" or better and credit or concurrent enrollment in MATH 250. This course is a basic study of dynamics. Topics include displacement, velocity, and acceleration of a particle; relationship between forces acting on rigid bodies and changes in motion produced by them; translation, rotation, and plane motion; solutions using principles of force, mass and acceleration, work and energy, and impulse and momentum. The computer is used as an aid to solve engineering problems.

Lecture Hours: 3 Laboratory Hours: 0

ENGR 253 3 HRS. (TC) MECHANICS OF MATERIALS

Prerequisite: ENGR 251 with a grade of "C" or better. This course is a study in the relationship between external loads, internal stresses, and deflections of deformable bodies within the context of engineering design principles. Topics include internal force, stress, strain and deflection of beams, shafts and columns; analytical methods for determining strength, stiffness and stability; strength and failure criteria in member design; indeterminate problems; transformations for multi-axial stress and strain states.

Lecture Hours: 3 Laboratory Hours: 0

English

ENGL 085 6 HRS. (BEC) PREPARATION FOR COLLEGE READING AND WRITING 085

Prerequisite: Approved reading placement score, or equivalent. ENGL 085 is a reading and writing course which helps students develop basic reading comprehension and writing strategies. Students will read a variety of texts and learn to write short, organized essays. This course is repeatable three times.

Lecture Hours: 6 Laboratory Hours: 0

ENGL 095 6 HRS. (BEC) PREPARATION FOR COLLEGE READING AND WRITING 095

Prerequisite: Approved reading placement score, or equivalent. ENGL 095 is a reading and writing course which prepares students for the academic challenges of the college classroom. Students will read critically and write developed essays of various lengths. This course is repeatable three times.

Lecture Hours: 6 Laboratory Hours: 0

ENGL 099 3 HRS. (BEC) ALP: PREPARATION FOR COLLEGE READING AND WRITING

Prerequisite: Concurrent enrollment in ENGL 110 and approved reading placement score, or equivalent. This course reviews the skills and knowledge needed to be successful in the college classroom while supporting success in ENGL 110. Students will read critically and write developed essays.

Lecture Hours: 3 Laboratory Hours: 0

ENGL 110 **3 HRS. (TC)**
COMPOSITION I (C1 900)
 Prerequisite: Approved reading placement score, or equivalent, or ENGL 095 or 099 or an equivalent course with a grade of "C" or better. This course progresses the student from writing expressive compositions (expressing the ideas of the writer) to writing referential compositions (explaining or analyzing the subject matter for the reader) to writing persuasive compositions (persuading an audience), through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is referential.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 111 **3 HRS. (TC)**
COMPOSITION II (C1 901R)
 Prerequisite: Approved reading placement score, or equivalent, and ENGL 110 or equivalent course with a grade of "C" or better. This course progresses the student from writing analysis of and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is argumentative.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 113 **3 HRS. (TC)**
CREATIVE WRITING: NARRATIVE FICTION
 This course offers students opportunities to understand the structures, elements, and processes of creating fictional narratives; to apply their understanding of the critical terminology of creative writing by producing fully developed works of fiction; and to understand the elements and critical terminology of freelance and commercial writing and publication.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 114 **3 HRS. (TC)**
CREATIVE WRITING: DRAMA
 Prerequisite: ENGL 111 with a grade of "C" or better or department approval. This course offers students opportunities to understand the structures, elements, and processes of creating dramatic scripts; to apply their understanding of the critical terminology of creative writing by producing fully developed dramatic works; and to understand the elements and critical terminology of freelance and commercial script writing, production, and publication.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 115 **3 HRS. (TC)**
CREATIVE WRITING: POETRY
 Prerequisite: ENGL 111 with a grade of "C" or better or department approval. In this course students will understand the structure and elements of poetry and the writing process, produce fully developed works of poetry, and demonstrate an understanding of the critical terminology of the creative writer. A minimum of 200-250 finished lines of original work is recommended. Journals, a midterm, and a final exam may also be required.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 116 **3 HRS. (TC)**
AGRICULTURAL COMMUNICATIONS
 Prerequisite: Approved reading placement score, or equivalent, or ENGL 095, ENGL 099, ENGL 105, or ENGL 110, any with a grade of "C" or better, or department approval. This course deals with writing reports, forms, memos, letters, job-application letters, and resumes. Group projects and presentations of varying lengths and complexity are also completed. Students will produce a minimum of 2500 words of revised writing.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 117 **3 HRS. (TC)**
CREATIVE WRITING: NON-FICTION PROSE
 Prerequisite: Approved reading placement score or equivalent. In this course students will understand the structure and elements of literary non-fiction and the writing process, produce fully developed works of non-fiction, and demonstrate an understanding of the critical terminology of the creative writer.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 125 **3 HRS. (TC)**
BUSINESS COMMUNICATIONS
 Prerequisite: Approved reading placement score, or equivalent, or ENGL 095, ENGL 099, ENGL 105, or ENGL 110, any with a grade of "C" or better, or department approval. This course introduces the student to a series of related activities, such as interviewing skills, job application techniques, business writing skills, effective speaking skills, listening skills, and other business communication tasks. Students will produce a minimum of 2500 words of revised writing.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 130 **3 HRS. (TC)**
GRANT WRITING BASICS
 Prerequisite: Approved reading placement score, or equivalent. This course examines and outlines basic principles of organizing and writing grants. An overview of identifying government, private, and corporate grants is also included.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 140 **3 HRS. (TC)**
INTRODUCTION TO WRITING CENTER THEORY AND PRACTICE
 Prerequisite: ENGL 111 with a grade of "C" or better and department approval. This course investigates, applies, and reflects on the theories and strategies pertinent to writing centers with respect to tutoring and writing processes. Students will acquire skills in assessing and prioritizing clients' needs in an individual way and, recognizing the importance of both verbal and nonverbal cues, communicate those needs to the writer. Additionally, they will achieve awareness in learning styles and cultural differences as they impact writing. They will also develop techniques to collaborate effectively, respond constructively, and observe critically. Further, the course will introduce students to stages of process-based writing, including intervention, drafting, revising, and editing. Students will gain insight into an array of rhetorical strategies and demonstrate an awareness of audience. The course integrates students into the Studio culture, not as tutors but as observers and writers mentored by the staff.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 200 **3 HRS. (TC)**
INTRODUCTION TO THE ENGLISH LANGUAGE
 Prerequisite: Approved reading placement score, or equivalent. This course offers an introductory study of linguistics which includes grammar, semantics, language development, and regional and social varieties of English.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 201 **3 HRS. (TC)**
TECHNICAL COMMUNICATIONS
 Prerequisite: Approved reading placement score, or equivalent, or ENGL 095, ENGL 099, ENGL 105, or ENGL 110, any with a grade of "C" or better, or department approval. This course involves the development of clear, concise, technical style of writing, logical organization of material, and the use of drawings, illustrations, and tables in supporting and clarifying report content. Types and forms of reports and the correct format of business letters are studied. Written projects include reports and letters of varying lengths and degree of complexity. Students will produce a minimum of 2500 words of revised writing.
 Lecture Hours: 3 Laboratory Hours: 0

ENGL 210 3 HRS. (TC)**ADVANCED COMPOSITION**

Prerequisite: ENGL 111 with a grade of "C" or better or equivalent. This course builds upon the skills learned in ENGL 111 and accentuates the importance of critical analysis, rhetorical theory, and stylistic self-awareness in written discourse. The course encourages students to develop a public voice that demonstrates a sophisticated awareness of audience. Students will acquire skills in reader-based expository prose, argumentative strategy, and generative rhetoric.

Lecture Hours: 3 Laboratory Hours: 0

ENGL 240 3 HRS. (TC)**ACADEMIC COMPOSITION FOR WRITING CENTER CONSULTANTS**

Prerequisite: ENGL 140 with a grade of "C" or better and department approval. This course explores progressively more intricate argumentative assignments and calls for increasingly complex written peer critiques. Students will focus on building competency within representative academic genres and gaining comfort in delivering written feedback. Students will hone their analytical and collaborative skills in order to provide substantive responses to clients in the Studio and in the Writing Fellows program. Further, students will refine their composition ability and learn a metalanguage for discussing writing processes and genres.

Lecture Hours: 3 Laboratory Hours: 0

ENGL 250 1 HR. (TC)**WRITING FELLOWS PRACTICUM**

Prerequisite: ENGL 140 with a grade of "C" or better and department approval. This course trains students to assist writers enrolled in writing-intensive courses across the curriculum. Student consultants will gain a theoretical background in how writing fellows programs compliment the services of a writing center and practical knowledge of how to respond orally and in writing to drafts. Student consultants will also receive training in how to manage individual conferences, guide the revision process, and work closely with faculty in the disciplines.

Lecture Hours: 1 Laboratory Hours: 0

English as a Second Language

ESL 089 3 HRS. (ESL)**ENGLISH AS A SECOND LANGUAGE, BEGINNING LITERACY LEVEL**

Prerequisite: Appropriate score on a standardized ESL test accepted by the Illinois Community College Board or the College. This course is designed for students with little or no English-speaking proficiency. It centers on developing the basic skills needed to function in everyday American life. Repeatable up to three times.

Lecture Hours: 3 Laboratory Hours: 0

ESL 090 4 HRS. (ABE)**ENGLISH AS A SECOND LANGUAGE, BEGINNING LEVEL**

Prerequisite: Appropriate score on a standardized ESL test accepted by the Illinois Community College Board or the College. This course centers on developing basic vocabulary and grammar skills and understanding idioms using the English language in simple dialogues, reading, and writing. Repeatable up to three times.

Lecture Hours: 4 Laboratory Hours: 0

ESL 092 4 HRS. (ESL)**ENGLISH AS A SECOND LANGUAGE, INTERMEDIATE LEVEL**

Prerequisite: Appropriate score on a standardized ESL test accepted by the Illinois Community College Board or the College. This course centers on developing more advanced vocabulary and grammar skills and understanding of idioms using the English language in dialogues, reading, and writing. Repeatable up to three times.

Lecture Hours: 4 Laboratory Hours: 0

ESL 093 4 HRS. (ESL)**ENGLISH AS A SECOND LANGUAGE, INTERMEDIATE LEVEL****COMMUNICATION SKILLS**

Prerequisite: Appropriate score on a standardized ESL test accepted by the Illinois Community College Board or the College. This course is designed to help the student further develop the English reading and writing skills necessary to transition to an ABE-level communication skills course or to a more advanced ESL course. This course is repeatable up to three times.

Lecture Hours: 4 Laboratory Hours: 0

ESL 104 3 HRS. (ESL)**ENGLISH AS A SECOND LANGUAGE, ORAL LANGUAGE****COMPONENT, ADVANCED LEVEL**

Prerequisite: Appropriate score on standardized ESL test or department approval. This course is the final level of the ESL oral language component. While building on skills previously acquired, this course emphasizes the oral skills necessary to survival in the college classroom. This course is repeatable up to three times.

Lecture Hours: 3 Laboratory Hours: 0

ESL 105 3 HRS. (ESL)**ENGLISH AS A SECOND LANGUAGE, WRITTEN LANGUAGE****COMPONENT, ADVANCED LEV**

Prerequisite: Appropriate score on standardized ESL test or department approval. This course stresses development of writing skills in progressively longer compositions based on personal experience while continuing to stress development of reading ability. Writing assignments are designed to prepare students for ESL 106. Repeatable up to three times.

Lecture Hours: 3 Laboratory Hours: 0

ESL 106 3 HRS. (ABE)**ENGLISH FOR NON-HERITAGE SPEAKERS**

Prerequisite: Appropriate score on standardized ESL test or department approval. This course is designed to prepare potential transfer-level international students for the language complexities required in English 110 compositions. The course will concentrate on writing skills. This course is repeatable three times.

Lecture Hours: 3 Laboratory Hours: 0

ESL 107 3 HRS. (ABE)**TOEFL PREPARATION**

Prerequisite: Department approval. This course is designed to prepare students for the Test of English as a Foreign Language - computer based test (TOEFL CBT) by concentrating on the necessary writing, grammar, listening, reading, and computer skills.

Lecture Hours: 2 Laboratory Hours: 2

Family and Consumer Services

FCS 110 2 HRS. (TC)**BASIC NUTRITION**

Prerequisite: Approved reading placement score, or equivalent. This course is a study of basic nutrition to help the student acquire relevant information about nutrition, which they can use professionally and/or personally. The course will cover the practical aspects of normal nutrition, ways to promote sound eating habits throughout the life cycle, and physiological contributions nutrients make to body structure and function.

Lecture Hours: 2 Laboratory Hours: 0

FCS 120 **3 HRS. (TC)**
PRINCIPLES OF NUTRITION
 Prerequisite: Approved reading placement score, or equivalent. This course is a study of scientific principles related to nutrition. It covers the role of specific nutrients, their sources, the role they play in digestion, absorption, metabolism, and nutritional requirements of individuals during different stages throughout their lifecycle.
 Lecture Hours: 3 Laboratory Hours: 0

Film

FILM 110 **3 HRS. (TC)**
SURVEY OF FILM (F2 908)
 Prerequisite: Approved reading placement score, or equivalent. An introduction to film as an art form, emphasizing a study of the aesthetic and production elements of the medium, including narrative genres, directorial style, cinematography, acting, editing, sound, and music.
 Lecture Hours: 3 Laboratory Hours: 0

FILM 111 **3 HRS. (TC)**
FILM AND LITERATURE (HF908)
 This course is a study of formal, thematic, and/or historical relationships between literary and cinematic forms, including examination of adaptations and influences that demonstrate the strengths of each artistic medium.
 Lecture Hours: 3 Laboratory Hours: 0

Fire Science Technology

FRSTK 110 **3 HRS. (OC)**
INTRODUCTION TO FIRE SCIENCE
 This course is designed to acquaint the student with the fire service, careers available, history, evaluation and survey of fire protection.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 111 **3 HRS. (OC)**
BASIC INSTRUCTOR TRAINING FOR THE FIRE SERVICE
 Prerequisite: Department approval. This course is a basic introduction to the principles of vocational level skill training for people who will be conducting on-the-job fire training in local fire departments. This course will not teach firemanship, but will equip firemanship trainers with basics of adult vocational skills teaching.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 112 **3 HRS. (OC)**
FIRE PREVENTION AND LEGAL ASPECTS OF FIRE PROTECTION
 Prerequisite: FRSTK 110 with a grade of "C" or better or department approval. This course develops the fundamental principles, theories and techniques of fire prevention, including the organization and implementation of a thorough and deliberate program of public fire prevention. In addition to emphasizing fire and life safety through recognition and elimination of related hazards and familiarization with a model fire prevention code, the legal, social, economic and political aspects of providing public fire protection will be stressed.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 113 **3 HRS. (OC)**
FIRE COMPANY APPARATUS AND PROCEDURES
 Prerequisite: FRSTK 110 with a grade of "C" or better or department approval. This course provides an understanding of the practices and procedures which permit the most efficient utilization of firefighting appliances and vehicles. While elementary firefighting tactics and strategy will be introduced, the emphasis of this course will be on apparatus design requirements, operation and maintenance necessary for effective and reliable fireground performance.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 114 **3 HRS. (OC)**
FIREFIGHTING TACTICS AND STRATEGY
 Prerequisite: FRSTK 110 with a grade of "C" or better or department approval. This course develops an understanding of the art and science of effective utilization of personnel, apparatus, equipment and extinguishing agents on the fireground. Emphasis will be placed on pre-fire planning, size-up and organization of the fireground situation, firefighting operations (ventilation, operation of hose streams, overhauling) and post-fire analysis and study.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 115 **3 HRS. (OC)**
CERTIFIED APPARATUS ENGINEER
 Prerequisite: Department approval. This course covers fire department apparatus including: Illinois state laws as they pertain to fire apparatus, operations apparatus, calculating pump pressures, understanding pump operations, and safe driving procedures.
 Lecture Hours: 2 Laboratory Hours: 3

FRSTK 116 **5 HRS. (OC)**
RECRUIT FIRE SERVICE TRAINING MODULE A
 Prerequisite: Department approval. This course, Module A, is a basic introduction to firemanship for a firefighter. The course includes basic fire behavior, extinguishers and extinguishing agents, small tool and equipment utilization, and ladders. Practical applications of each procedure will be made. The materials in this course are intended to prepare the firefighter to challenge the written exam required for Illinois State Certified Firefighters. This course is designed as the first one-third of the Certified Firefighter Program.
 Lecture Hours: 5 Laboratory Hours: 0

FRSTK 117 **5 HRS. (OC)**
RECRUIT FIRE SERVICE TRAINING MODULE B
 Prerequisite: Department approval. This course, Module B, is the second course in the Certified Firefighter Program. The course includes instruction in ropes, emergency medical care, water supply, fire streams, forcible entry, ventilation, rescue and overhaul. Course instruction is designed to prepare the firefighter for the written exam for Illinois State Certified Firefighters.
 Lecture Hours: 5 Laboratory Hours: 0

FRSTK 118 **5 HRS. (OC)**
RECRUIT FIRE SERVICE TRAINING MODULE C
 Prerequisite: Department approval. This course, Module C, is the third course in the Certified Firefighter Program and includes instruction in communications, sprinkler systems, salvage, fire inspections, fire cause and origin and hazardous materials.
 Lecture Hours: 5 Laboratory Hours: 0

FRSTK 132 **3 HRS. (OC)**
INDUSTRIAL FIRE PROTECTION
 Prerequisite: Department approval. This course involves the study of the principles of industrial loss prevention, including risk management, fire hazards and causes, structural fire and explosion protection, fixed detection and suppression systems.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 190 **3 HRS. (OC)**
LEGAL ISSUES IN THE FIRE SERVICE
 Prerequisite: Department approval. This course covers legal issues in the fire service including emergency vehicle operation, tort liability, employment law, and labor law with an emphasis on the law of the State of Illinois.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 201 **3 HRS. (OC)**
INTERNSHIP, FIRE SERVICE
 Prerequisite: FRSTK 110 with a grade of "C" or better and department approval. This course is designed to give the trainee field experience in fire protection work by actually participating as a "cadet" while engaged in on-the-job training with experienced fire protection and prevention personnel. The student will do individual research and study in their field of interest as approved and directed by the instructor.
 Lecture Hours: 0 Laboratory Hours: 15

FRSTK 211 **3 HRS. (OC)**
FIRE SERVICE INSTRUCTOR, STANDARD LEVEL
 Prerequisite: FRSTK 111 with a grade of "C" or better and qualified as Basic Certified Instructor. This course is the second level of instructor training which is designed to more thoroughly acquaint the trainee with the methods and techniques of training and further develop lesson presentation skills. Additionally, the trainee will learn how to design, develop and administer training programs. The course development process and the planning, researching, writing and evaluation of training curricula and programs will be addressed. Forty-eight hours of lecture, discussion and practice teaching.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 212 **3 HRS. (OC)**
FIRE PREVENTION PRINCIPLES II
 Prerequisite: FRSTK 112 with a grade of "C" or better. This course is designed to meet the needs of individuals who desire to become familiar with advanced fire protection, inspections and investigation practices and procedures. The course is structured to meet the requirement established by the Illinois State Fire Marshal for certification as a Fire Officer II.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 214 **3 HRS. (OC)**
TACTICS AND STRATEGY II
 Prerequisite: FRSTK 114.
 This course is an advanced study in firefighting strategy and leadership, designed mainly for fire officers and potential fire officers. This course will partially fulfill state requirements for Fire Officer II.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 222 **1 HR. (OC)**
SELECTED TOPICS
 Prerequisite: FRSTK 110 with a grade of "C" or better. The content of this course varies from offering to offering to meet the changing needs of students and to allow exploration of topics more fully than can be addressed in survey courses. Each offering will present a unique investigation of a topic in fire science. This course is repeatable if the topic and content are different up to a maximum of four semester hours of credit. The duration of the course will depend upon the topic to be covered.
 Lecture Hours: 1 - 4 Laboratory Hours: 0

FRSTK 225 **3 HRS. (OC)**
BUILDING CONSTRUCTION FOR THE FIRE SERVICE
 Prerequisite: FRSTK 110 with a grade of "C" or better. This course is a basic introduction to the principles of building construction for firefighters. This course will teach firefighters the importance of understanding how the construction of a building influences the severity of a fire and how to control it.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 227 **3 HRS. (OC)**
CHEMISTRY OF FLAMMABLE HAZARDOUS MATERIALS
 Prerequisite: FRSTK 110 with a grade of "C" or better and approved laboratory science. This course develops the properties of chemically active materials such as flammable liquids, oxidizing and corrosive materials, and radioactive compounds. Emphasis is placed not only upon identification, labeling, storage, handling and disposal, but will also consider identification and application of the appropriate extinguishing agents.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 228 **3 HRS. (OC)**
CHEMISTRY OF EXPLOSIVE AND TOXIC MATERIALS
 Prerequisite: FRSTK 110 with a grade of "C" or better and approved laboratory science. This course is an in-depth study of the properties of flammable, explosive and toxic materials, and combustible solids. The inter-reaction of various chemical compounds will also be considered. Secondary emphasis on effects of various extinguishing agents and accompanying emergency procedures.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 229 **3 HRS. (OC)**
HAZARDOUS MATERIALS I
 Prerequisite: Illinois Certified Firefighter II. This course covers hazardous materials awareness and first responder requirements specified in the State of Illinois Fire Marshal guidelines to meet OSHA standards.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 230 **3 HRS. (OC)**
FIRE SCIENCE HYDRAULICS
 Prerequisite: FRSTK 110 with a grade of "C" or better and approved laboratory science. This course is designed to acquaint the student with the application of the laws of mathematics and physics to properties of fluid states, force, pressure and flow velocities. Emphasis is placed on applying principles of hydraulics to firefighting problems.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 231 **3 HRS. (OC)**
HAZARDOUS MATERIALS II
 Prerequisite: FRSTK 229 with a grade of "C" or better. This course is designed for those firefighting personnel who are or will be operating as part of an organized hazardous materials response team. Emphasis is placed on the skills necessary to operate in a safe manner while utilizing special protective clothing.
 Lecture Hours: 2 Laboratory Hours: 3

FRSTK 232 **3 HRS. (OC)**
FIRE PROTECTION SYSTEMS
 Prerequisite: FRSTK 110 with a grade of "C" or better, or department approval. This course is a study of basic principles involved in design and operation of existing suppression and detection systems found in most occupancies.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 250 **3 HRS. (OC)**
FIRE SERVICE MANAGEMENT I
 Prerequisite: FRSTK 110 with a grade of "C" or better or department approval. This course is an exploration of organizational principles with emphasis on fire department organization; a study of the history, types, methods and principles of fire department organization, both formal and informal line and staff. Emphasis is placed on supervisory responsibilities and functions.
 Lecture Hours: 3 Laboratory Hours: 0

FRSTK 252 3 HRS. (OC)**FIRE SERVICE MANAGEMENT II**

Prerequisite: FRSTK 110 with a grade of "C" or better or department approval. This course is intended as a management program for present and potential members of the fire service. It is designed to fulfill state requirements for Fire Officer I and expand the present program curriculum in the area of management.

Lecture Hours: 3 Laboratory Hours: 0

FRSTK 253 3 HRS. (OC)**FIRE SERVICE MANAGEMENT III**

Prerequisite: FRSTK 250 and FRSTK 252 both with a grade of "C" or better. This course is designed to prepare the student for the position of a senior officer on a fire department. A study is made of the roles and functions of the senior officer positions. This is the first of two management classes for Fire Officer II certification.

Lecture Hours: 3 Laboratory Hours: 0

FRSTK 254 3 HRS. (OC)**FIRE MANAGEMENT IV**

Prerequisite: FRSTK 253 with a grade of "C" or better. This course is designed to fit the needs of a senior fire officer in learning to use the group process for planning, decision-making and team development. It is a class designed to meet the requirements established by the Illinois State Fire Marshal for certification as a Fire Officer II.

Lecture Hours: 3 Laboratory Hours: 0

FRSTK 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

French**FR 110 4 HRS. (TC)****ELEMENTARY FRENCH I**

Prerequisite: Approved reading placement score, or equivalent. This course is designed to develop through the audio-lingual approach the four basic skills in French: listening, speaking, reading, and writing.

Lecture Hours: 4 Laboratory Hours: 0

FR 111 4 HRS. (TC)**ELEMENTARY FRENCH II**

Prerequisite: FR 110 with a grade of "C" or better or equivalent. This course is a continuation of FR 110 with emphasis on listening, speaking, reading, and writing. The course is conducted primarily in French.

Lecture Hours: 4 Laboratory Hours: 0

FR 210 4 HRS. (TC)**INTERMEDIATE FRENCH I**

Prerequisite: FR 111 with a grade of "C" or better or equivalent. This course emphasizes conversation, selected readings, and composition. The course is conducted primarily in French.

Lecture Hours: 4 Laboratory Hours: 0

FR 211 4 HRS. (TC)**INTERMEDIATE FRENCH II (H1 900)**

Prerequisite: Approved reading placement score, or equivalent, and FR 210 or equivalent. This course is a continuation of FR 210 with emphasis on advanced conversation, reading, and composition. This course is conducted in French.

Lecture Hours: 4 Laboratory Hours: 0

GED Preparation**GEDPR 080 2 HRS. (ABE)****ABE COMMUNICATION AND MATHEMATICAL SKILLS**

Prerequisite: Reading level of 4 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills; and develop mathematical vocabulary, skills in arithmetic, and mathematical analysis. Repeatable up to a maximum of three times.

Lecture Hours: 2 Laboratory Hours: 0

GEDPR 081 1 HR. (ABE)**ABE MATHEMATICS I**

Prerequisite: Math level of 4-8.9 on a standardized test accepted by the Illinois Community College Board or the College. This course is designed to help the student develop mathematical vocabulary, skills in arithmetic, and mathematical analysis. Repeatable up to a maximum of three times.

Lecture Hours: 1 Laboratory Hours: 0

GEDPR 082 2 HRS. (ABE)**ABE MATHEMATICS II**

Prerequisite: Math level of 4-8.9 on a standardized test accepted by the Illinois Community College Board or the College. This course is designed to help the student develop mathematical vocabulary, skills in arithmetic, and mathematical analysis. Repeatable up to a maximum of three times.

Lecture Hours: 2 Laboratory Hours: 0

GEDPR 083 3 HRS. (ABE)**ABE MATHEMATICS III**

Prerequisite: Math level of 4-8.9 on a standardized test accepted by the Illinois Community College Board or the College. This course is designed to help the student develop mathematical vocabulary, skills in arithmetic, and mathematical analysis. Repeatable up to a maximum of three times.

Lecture Hours: 3 Laboratory Hours: 0

GEDPR 087 1 HR. (ABE)**ABE COMMUNICATION SKILLS I**

Prerequisite: Reading level of 4 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.

Lecture Hours: 1 Laboratory Hours: 0

GEDPR 088 2 HRS. (ABE)**ABE COMMUNICATION SKILLS II**

Prerequisite: Reading level of 4 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.

Lecture Hours: 2 Laboratory Hours: 0

GEDPR 089**3 HRS. (ABE)****ABE COMMUNICATION SKILLS III**

Prerequisite: Reading level of 4 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.

Lecture Hours: 3 Laboratory Hours: 0

GEDPR 092**1 HR. (ASE)****GED COMMUNICATION SKILLS I**

Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to prepare the student for the GED Test in the areas of literature, grammar and essay writing, social studies, and science. Repeatable up to a maximum of three times.

Lecture Hours: 1 Laboratory Hours: 0

GEDPR 093**2 HRS. (ASE)****GED COMMUNICATION SKILLS II**

Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to prepare the student for the GED Test in the areas of literature, grammar and essay writing, social science, and science. Repeatable up to a maximum of three times.

Lecture Hours: 2 Laboratory Hours: 0

GEDPR 094**3 HRS. (ASE)****GED COMMUNICATION SKILLS III**

Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to prepare the student for the GED Test in the areas of literature, grammar and essay writing, social science, and science. Repeatable up to a maximum of three times.

Lecture Hours: 3 Laboratory Hours: 0

GEDPR 095**1 HR. (ASE)****GED COMPUTATIONAL SKILLS I**

Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student in the development of mathematical vocabulary, computation skills, and other mathematical reasoning abilities. Repeatable up to a maximum of three times.

Lecture Hours: 1 Laboratory Hours: 0

GEDPR 096**2 HRS. (ASE)****GED COMPUTATIONAL SKILLS II**

Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student in the development of mathematical vocabulary, computation skills, and other mathematical reasoning abilities. Repeatable up to a maximum of three times.

Lecture Hours: 2 Laboratory Hours: 0

GEDPR 097**3 HRS. (ASE)****GED COMPUTATIONAL SKILLS III**

Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student in the development of mathematical vocabulary, computation skills, and other mathematical reasoning abilities. Repeatable up to a maximum of three times.

Lecture Hours: 3 Laboratory Hours: 0

GEDPR 098**2 HRS. (ASE)****GED REVIEW II**

Prerequisite: Reading level of 9 - 12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to prepare the student for the GED Tests in the areas of literature, grammar and essay writing, social science, science, and mathematics. Repeatable up to a maximum of three times.

Lecture Hours: 2 Laboratory Hours: 0

GEDPR 099**1 HR. (ASE)****GED REVIEW**

Prerequisite: Reading level 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to prepare the student for the GED Test in the areas of literature, grammar and essay writing, social science, science, and mathematics.

Lecture Hours: 1 Laboratory Hours: 0

General College Studies**ICC 099****2 HRS. (BEC)****FIRST SEMESTER SUCCESS**

This course will engage students in personal development to learn essential skills for success in college and in their future professions. Students will learn about key student processes and support areas of the college, initiate career exploration, and develop a plan to completion for their intended area of study.

Lecture Hours: 1 Laboratory Hours: 2

ICC 100**1 HR. (OC)****INTRODUCTION TO AGRICULTURAL AND INDUSTRIAL TECHNOLOGIES CAREERS**

This course provides the student with knowledge-based understanding of Agricultural and Industrial Technologies careers. Self-appraisal, critical analysis of Agricultural and Industrial Technologies careers, workplace and professional skills, and safety issues are included.

Lecture Hours: 1 Laboratory Hours: 0

ICC 101**1 HR. (OC)****INTRODUCTION TO ARTS AND COMMUNICATION CAREERS**

This course provides the student with a knowledge-based understanding of careers in Arts and Communication. Self-appraisal, critical analysis of careers in arts and communication, workplace and professional skills, and safety issues are included. Course follows along the occupations within the Career Clusters of Architecture and Construction and Arts, Audio/Video Technology, and Communications.

Lecture Hours: 1 Laboratory Hours: 0

ICC 102**1 HR. (OC)****INTRODUCTION TO BUSINESS, HOSPITALITY AND INFORMATION SYSTEMS CAREERS**

This course provides the student with knowledge-based understanding of business, hospitality and information technology careers. Self-appraisal, critical analysis of business, hospitality and information technology careers, workplace and professional skills, and safety issues are included.

Lecture Hours: 1 Laboratory Hours: 0

ICC 104**1 HR. (OC)****INTRODUCTION TO HEALTH CAREERS**

This course provides the student with a knowledge-based understanding of health care careers. It introduces the Career/Technical Education area of Health Sciences and Career Cluster of Health Sciences and related pathways:

Diagnostic Services, Health Informatics, Support Services, Therapeutic Services, and Biotechnology Research and Development. Self-appraisal, critical analysis of health careers, essential workplace and professional skills, and safety issues are included.

Lecture Hours: 0.5 Laboratory Hours: 1.5

ICC 110 **COLLEGE SUCCESS** **3 HRS. (TC)**
 Prerequisite: Approved reading placement score, or equivalent, department approval. This course is designed to acquaint students with college life, community and academic resources, learning and study skills, problem-solving and success strategies.
 Lecture Hours: 3 Laboratory Hours: 0

ICC 111 **CAREER CHOICE** **1 HR. (TC)**
 Prerequisite: Approved reading placement score, or equivalent, or department approval. This course provides individuals the opportunity to explore their abilities, interests, values and other significant factors as they relate to a career choice. Participation in an individual or a group career counseling setting enables students to explore careers, career development, and career decision making through the use of standardized assessments and research activities.
 Lecture Hours: 1 Laboratory Hours: 0

ICC 220 **INDEPENDENT STUDY** **1 HR. (TC)**
 Prerequisite: Sophomore standing and department approval.
 Students work on a special problem suited to individual academic needs. A plan for the project including criteria for evaluation must be submitted to the dean/associate dean and approval for study obtained, semester hours assigned, and an instructor-advisor appointed prior to registration. At the conclusion of the project, a written report must be submitted to the instructor-advisor. This report will remain on file in the department. The transcript will show the discipline in which the work was completed.
 Lecture Hours: 0 Laboratory Hours: 5 - 15

General Motors Automotive Service Educational Program (GM ASEP)

ASEP 112 **INTRODUCTION TO GM-ASEP** **2 HRS. (OC)**
 Prerequisite: Department approval. This course provides instruction and lab experience in shop safety, shop operation and how to obtain service information. Also covered are the basic inspection and servicing techniques of electrical systems, brake systems and automatic transmissions and transaxles.
 Lecture Hours: 1 Laboratory Hours: 3

ASEP 115 **ELECTRICAL SYSTEMS I** **3 HRS. (OC)**
 Prerequisite: Department approval. This course is designed to include electrical concepts as they apply to electrical systems. It will include the use of electrical test equipment used to diagnose electrical problems found on motor vehicles. Major emphasis is on the application of these principles as they apply to the transportation industry.
 Lecture Hours: 2 Laboratory Hours: 3

ASEP 117 **AUTOMOTIVE SUSPENSION, STEERING AND ALIGNMENT** **3 HRS. (OC)**
 Prerequisite: Department approval. This course is a study of the design and operation of suspension and steering systems used in the automotive industry. It includes the use of diagnostic equipment and making component repairs on current automobiles.
 Lecture Hours: 2 Laboratory Hours: 3

ASEP 125 **ELECTRICAL SYSTEMS II** **3 HRS. (OC)**
 Prerequisite: Department approval. This course covers electrical components and systems associated with the transportation service industry and their applications. Diagnostic techniques and repair procedures are emphasized.
 Lecture Hours: 2 Laboratory Hours: 3

ASEP 129 **AUTOMOTIVE BRAKE SYSTEMS** **3 HRS. (OC)**
 Prerequisite: Department approval. This course is a study of the design and operation of brake systems used in the automotive industry. It includes the use of diagnostic equipment and making component repairs on current automobiles.
 Lecture Hours: 2 Laboratory Hours: 3

ASEP 132 **AUTOMOTIVE HVAC** **3 HRS. (OC)**
 Prerequisite: Department approval. This course provides an introduction into the basic theory and principles of air conditioning as they relate to automotive applications. Use of test equipment to diagnose and repair malfunctions, including repair of component parts and the charging and recharging of systems will be stressed in the laboratory. Manufacturers' specifications will be utilized in performing standard service operations. Automotive engine cooling systems are also covered in the course.
 Lecture Hours: 2 Laboratory Hours: 3

ASEP 133 **ENGINE PERFORMANCE I** **3 HRS. (OC)**
 Prerequisite: Department approval. This course covers the principles of fuel and ignition systems in modern gasoline engines. Diagnostic techniques and repair procedures are emphasized. Special emphasis is placed on the use of modern test equipment to analyze problems and computer operations.
 Lecture Hours: 2 Laboratory Hours: 3

ASEP 137 **MANUAL DRIVETRAINS** **3 HRS. (OC)**
 Prerequisite: Department approval. This course explores the transmission of power from the internal combustion engine by mechanical means. Problems in design and application are solved. The laboratory experience includes inspection, disassembly and repair of manual transmissions, manual transaxles, differentials, axles, and four wheel drive and transfer cases.
 Lecture Hours: 2 Laboratory Hours: 3

ASEP 150 **INTERNSHIP** **4 HRS. (OC)**
 Prerequisite: Department approval. This supervised experience is required of students enrolled in the GM-ASEP program. Students' needs and objectives determine major emphasis of this course.
 Lecture Hours: 0 Laboratory Hours: 20

ASEP 151 **INTERNSHIP** **4 HRS. (OC)**
 Prerequisite: Department approval. This supervised experience is required of students enrolled in the GM-ASEP program. Students' needs and objectives determine major emphasis of this course.
 Lecture Hours: 0 Laboratory Hours: 20

ASEP 210 **ENGINE PERFORMANCE II** **2 HRS. (OC)**
 Prerequisite: Department approval. This course covers the principles of fuel and ignition systems in modern gasoline engines. Diagnostic techniques and repair procedures are emphasized. Special emphasis is placed on the use of modern test equipment to analyze problems and computer operations.
 Lecture Hours: 1 Laboratory Hours: 3

ASEP 215 3 HRS. (OC)**ELECTRICAL SYSTEMS III**

Prerequisite: Department approval. This course provides the background needed to diagnose and repair the sophisticated electronics and computerized circuits within the motor vehicles used in the heavy equipment and transportation industries. Basic electronic concepts, component function and system operation are covered. Manufacturers' procedures are taught to identify malfunctions and to test the systems properly.

Lecture Hours: 2 Laboratory Hours: 3

ASEP 217 3 HRS. (OC)**AUTOMATIC TRANSMISSIONS**

Prerequisite: Department approval. This course explores the transmission of power from the internal combustion engine by mechanical and hydraulic means. Problems in design and application are solved. The laboratory experience includes inspection, disassembly and repair of automatic transmissions, automatic transaxles, and torque converters.

Lecture Hours: 1 Laboratory Hours: 6

ASEP 221 4 HRS. (OC)**INTERNAL COMBUSTION ENGINES**

Prerequisite: Department approval. This course discusses the principles of piston driven internal combustion engines and variations in design and operational characteristics of different engine types. In the laboratory, the student will learn the proper use of hand tools, micrometers, dial indicators and other special tools in the visual inspection, measurement, and service procedures for automotive/light truck engines.

Lecture Hours: 2 Laboratory Hours: 6

ASEP 229 3 HRS. (OC)**EMISSIONS AND DRIVABILITY**

Prerequisite: Department approval. This course covers the emission controls systems used in modern gasoline engines. The use of test equipment and proper repair procedures are emphasized. Drivability of the automobile is also covered by studying the interaction of fuel, ignition and emission systems.

Lecture Hours: 2 Laboratory Hours: 3

ASEP 250 4 HRS. (OC)**INTERNSHIP**

Prerequisite: Department approval. This supervised experience is required of students enrolled in the GM-ASEP program. Students' needs and objectives determine major emphasis of this course.

Lecture Hours: 0 Laboratory Hours: 20

ASEP 251 4 HRS. (OC)**INTERNSHIP**

Prerequisite: Department approval. This supervised experience is required of students enrolled in the GM-ASEP program. Students' needs and objectives determine major emphasis of this course.

Lecture Hours: 0 Laboratory Hours: 20

Geographical Information Systems**GIS 100 1 HR. (OC)****MAP APPRECIATION AND INTERPRETATION**

This course introduces the student to maps and their ability to provide information on a wide variety of topics. Basic elements of cartography will be examined in addition to an examination of various types of maps. Emphasis will also be given to developing map interpretation skills.

Lecture Hours: 1 Laboratory Hours: 0

GIS 102 3 HRS. (OC)**INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS**

This course is a basic introduction to the concepts, techniques, and applications of geographic information systems (GIS). Cartographic and database skills are established and their interrelationship examined to learn how a GIS can be created and then utilized to analyze and display information.

Lecture Hours: 3 Laboratory Hours: 0

GIS 104 3 HRS. (OC)**APPLIED GEOGRAPHIC INFORMATION SYSTEMS**

Prerequisite: GIS 102 with a grade of "C" or better or department approval. This course deals with the design, implementation, and management of geographic information systems. The course will provide an opportunity for students to learn through the application of geospatial technologies to real-world projects.

Lecture Hours: 3 Laboratory Hours: 0

GIS 106 1 HR. (OC)**GLOBAL POSITIONING SYSTEMS**

This course will teach the knowledge and skills necessary to utilize global positioning systems (GPS) to collect, process, and use geographic data. Students will learn and apply GPS theory and techniques through field survey experiences.

Lecture Hours: 1 Laboratory Hours: 0

GIS 108 3 HRS. (OC)**REMOTE SENSING**

This course provides an introduction to the techniques of collecting and interpreting information about earth's surface through non-contact methods. The current relationship with geographic information systems (GIS) will be examined.

Lecture Hours: 2 Laboratory Hours: 2

Geography**GEOG 112 3 HRS. (TC)****CULTURAL GEOGRAPHY (S4 900N)**

Prerequisite: Approved reading placement score, or equivalent. This course is a study of world cultures and their patterns across the earth's surface from a geographic perspective. Aspects and principles of economic geography, urban geography, demography, political geography and cultural ecology are applied to the cultures of the world. Special topics include human origins and distribution, language, religion, agriculture, natural hazards, urbanization, industry and recreation.

Lecture Hours: 3 Laboratory Hours: 0

GEOG 113 3 HRS. (TC)**WORLD REGIONAL GEOGRAPHY (S4 900N)**

Prerequisite: Approved reading placement score, or equivalent. This course is a study of selected world regions from a geographic point of view. Aspects and principles of economic geography, political geography, cultural geography, historical geography, and physical geography are applied to the regions of the world. The major focus of the course is on the non-Western and Third World.

Lecture Hours: 3 Laboratory Hours: 0

GEOG 116 3 HRS. (TC)**GEOGRAPHY OF THE DEVELOPING WORLD (S4 902N)**

Prerequisite: Approved reading placement score, or equivalent. This course surveys the developing world stressing the economic, social, political, and environmental characteristics of Latin America, Africa, and Asia. The basic relationship between the physical environment and cultural characteristics of a region will be explored as a primary focus of the course.

Lecture Hours: 3 Laboratory Hours: 0

GEOG 118 3 HRS. (TC)**GEOGRAPHY OF THE DEVELOPED WORLD (S4 901)**

Prerequisite: Approved reading placement score, or equivalent. This course surveys the developed world stressing the economic, social, political, and environmental characteristics of North America, Europe, and other technologically advanced regions of the world. The basic relationship between the physical environment and cultural characteristics of a region will be explored as a primary focus of the course.

Lecture Hours: 3 Laboratory Hours: 0

GEOG 200 3 HRS. (TC)**ECONOMIC GEOGRAPHY (S4 903N)**

Prerequisite: Approved reading placement score, or equivalent. This course introduces international aspects of industrial raw materials, agricultural commodities, industrial location, transportation and energy supplies. The scientific method is utilized in problem solving. Students develop skills in working with topographic maps, aerial photographs, formulating and testing hypotheses, evaluating locations from a geographic point of view, and analyzing computer generated maps of land use.

Lecture Hours: 3 Laboratory Hours: 0

German**GER 110 4 HRS. (TC)****ELEMENTARY GERMAN I**

Prerequisite: Approved reading placement score, or equivalent. This course is an introduction to German grammar and syntax that affords practice in listening, speaking, reading, and writing.

Lecture Hours: 4 Laboratory Hours: 0

GER 111 4 HRS. (TC)**ELEMENTARY GERMAN II**

Prerequisite: GER 110 with a grade of "C" or better or equivalent. This course emphasizes conversation, reading, and composition. The course is conducted primarily in German.

Lecture Hours: 4 Laboratory Hours: 0

GER 210 4 HRS. (TC)**INTERMEDIATE GERMAN I**

Prerequisite: GER 111 with a grade of "C" or better or equivalent. This course emphasizes conversation, reading, and composition. This course is conducted primarily in German.

Lecture Hours: 4 Laboratory Hours: 0

GER 211 4 HRS. (TC)**INTERMEDIATE GERMAN II (H1 900)**

Prerequisite: Approved reading placement score, or equivalent and GER 210 or equivalent. This course is a continuation of GER 210 with emphasis on advanced conversation, reading, and composition. This course is conducted in German.

Lecture Hours: 4 Laboratory Hours: 0

Graphic Communications**GCOMM 110 4 HRS. (TC)****INTRODUCTION TO GRAPHIC COMMUNICATIONS**

This course introduces the basic principles, materials and equipment used in the major printing processes. Beginning skills in typography, electronic desktop publishing, photography, scanning, image manipulation, creation of printing plates, and press operation are emphasized.

Lecture Hours: 2 Laboratory Hours: 4

GCOMM 112 3 HRS. (TC)**VECTOR GRAPHICS WITH ADOBE ILLUSTRATOR**

This course is a study of the techniques used to prepare vector artwork for production and page layout of small documents. Students are taught the methods and conventions of drawing, painting, typesetting, and art manipulation with Adobe Illustrator using Macintosh computers. Basic techniques of digital image capture, color separation, and electronic file preparation for single and multiple color jobs are also included in this course.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 130 3 HRS. (TC)**PAGE LAYOUT WITH ADOBE INDESIGN**

This course is an introduction to the tools and techniques utilized in page layout, commonly known as desktop publishing. The more common configurations of hardware and software are discussed, and skills are developed in the use of Adobe InDesign software. The importing of word processing files, prepared art, and scanned images or digital photographs into the layout are covered. Use file templates, master layouts, and text-formatting styles to dramatically improve production workflow. Students will also be taught to use conditional text and layers to develop customized versions of a document to further layout efficiency. Design considerations in the correct selection of typefaces and use of line elements, and the outputting of files for printed media or electronic publishing are covered.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 140 4 HRS. (OC)**PRINTING METHODS**

Prerequisite: GCOMM 110 with a grade of "C" or better, or department approval. This course covers offset lithography and silk screen press operation.

Lecture Hours: 2 Laboratory Hours: 4

GCOMM 150 3 HRS. (OC)**PRODUCTION TECHNIQUES AND PROCESSES**

Prerequisite: GCOMM 110 with a grade of "C" or better. This course is designed to provide a study of the materials, supplies, and production concerns found in the printing industry. The basics of estimating job costs, using both conventional and computerized methods, are presented. Production concerns from the copy preparation stage to those encountered in binding and finishing are discussed, and their impact on the scheduling of printing production is covered.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 160 1 HR. (OC)**OCCUPATIONAL PHOTOSHOP TECHNIQUES**

This course contains practical applications of image editing and digital enhancement with Adobe Photoshop for occupational use. Techniques in the manipulation of digital photographs and commercially available images with Photoshop for industry-specific needs will be covered in this course.

Lecture Hours: 0 Laboratory Hours: 2

GCOMM 225 3 HRS. (OC)**SCREEN PRINTING**

Prerequisite: GCOMM 110, GCOMM 112, GCOMM 250 all with a grade of "C" or better or department approval. This course will provide an introduction to the screen printing trade. Students will explore copy preparation, mesh selection, frames, stencil systems, printing techniques, ink and substrate compatibility, reclamation of screens, and how screen printing affects the finishing processes. A combination of technical laboratory applications and theory will provide the foundation for this course.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 230 3 HRS. (OC)**ADVANCE PAGE LAYOUT AND INTERACTIVE CROSS MEDIA**

Prerequisite: GCOMM 130 with a grade of "C" better. This course is a continuation of GCOMM 130 with emphasis on some of the more advanced features, techniques, and software utilized in electronic publishing. In addition to in-depth publishing topics using Adobe InDesign, this course will introduce students to page layout techniques using Quark XPress software, interactive document creation using Adobe Acrobat Pro, and ePub creation.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 235 3 HRS. (OC)**DIGITAL PHOTOGRAPHY AND SCANNING FOR PUBLISHING**

This course introduces the student to digital cameras and scanning techniques commonly used in desktop publishing. Instruction is provided in the operation of digital cameras and scanners features for the preparation of images for page layout.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 245 3 HRS. (OC)**WEB PUBLISHING WITH ADOBE DREAMWEAVER**

This course is designed to introduce the student to document construction for publishing on the World Wide Web. Basics of Hypertext Markup Language are covered as is instruction in the use of authoring software such as Adobe Dreamweaver and Fireworks.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 247 3 HRS. (OC)**ADVANCE WEB PUBLISHING WITH ADOBE DREAMWEAVER AND FLASH**

Prerequisite: GCOMM 245 with a grade of "C" or better. This course is a study of the techniques used in creating sophisticated web pages. Students are taught the correct methods of image optimization using Fireworks, and the development of box model CSS template driven web pages using Adobe Dreamweaver. Interactive web page design objects and form validation will be covered using Spry elements. The creation of vector animations with Adobe Flash, and the construction of virtual reality tours using Autodesk Stitcher.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 248 3 HRS. (OC)**MODELING AND ANIMATION WITH AUTODESK MAYA**

Prerequisite: GCOMM 245 with a grade of "C" or better. This course is designed to introduce the student to the creation of two-dimensional (2D) and three-dimensional (3D) animations. The two-dimensional vector animation software Adobe Flash will be used to develop interactive animations. The focus in the 2D animation will be to explore the creation of motion with a timeline interface and programming interactive behavior to control the state of the animations. The topics covered with 2D animation will be built upon in the following 3D animation portion of the class using Autodesk Maya. Students will be taught how to develop 3D models, animate and render them for output as stream video for web delivery, and capture still images for use in print.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 250 3 HRS. (OC)**BEGINNING ADOBE PHOTOSHOP TECHNIQUES**

This course includes practical applications of image editing utilizing Macintosh computers and Adobe Photoshop. Beginning techniques in the manipulation of original and commercially available images with Photoshop for conventional or electronic publication is emphasized.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 251 3 HRS. (OC)**ADVANCED ADOBE PHOTOSHOP TECHNIQUES**

Prerequisite: GCOMM 250 with a grade of "C" or better. This course is a study of advanced image editing with Adobe Photoshop. Techniques in the manipulation of images, streamlining of production, and the creation of original images with Photoshop for conventional or electronic publication are included.

Lecture Hours: 1 Laboratory Hours: 4

GCOMM 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides a student an opportunity to investigate areas of Graphic Communication not included in the course of study according to the individual's academic needs. The student must submit a formal written plan detailing the project, number of credit hours assigned to it and the evaluative criteria that is to be used. This project must be carried out under the direction of a faculty member. The written plan is submitted to the associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

GCOMM 260 1 HR. (OC)**GRAPHIC COMMUNICATIONS INTERNSHIP**

Prerequisite: GCOMM 110, GCOMM 112, GCOMM 130, GCOMM 245, and GCOMM 250, all with a grade of "C" or better. This course will help to prepare students for careers in the graphic communications work force. This exposure to the workplace will help students' understanding of the different types of careers, work environment, work flows, job duties and how they will be able to fit into the work place.

Lecture Hours: 1 - 3 Laboratory Hours: 0

Graphic Design

GRDSN 140 3 HRS. (TC)**GRAPHIC DESIGN 1: FOUNDATIONS**

This introductory studio course provides a foundation in practices, techniques, processes, terminology, theory and aesthetics of graphic design. Studio projects stress concept, graphic form, structure and visual organization methods, to develop effective solutions for visual communication problems. Projects combine aspects of image, text, space and color, in both traditional and new-media approaches.

Lecture Hours: 0 Laboratory Hours: 6

GRDSN 142 3 HRS. (TC)**GRAPHIC DESIGN 2: TYPOGRAPHY**

Prerequisite: GRDSN 140 with a grade of "C" or better or department approval. This course is an introductory course in the Graphic Design sequence. Studio and laboratory projects stress research, basic typographical terminology, and methods for effective graphic design solutions. Analysis of historical trends in typographic design creates a context for contemporary trends and practical applications in the field of Graphic Design. Course objectives stress exploration of design and typographic elements in various graphic design software applications, understanding an application of typographic terminology and processes, comprehension of the value of typographic design, and creation of typographic design for effective visual communication.

Lecture Hours: 0 Laboratory Hours: 6

GRDSN 150**3 HRS. (TC)****GRAPHIC DESIGN 3: METHODS AND PROCESS**

Prerequisite: GRDSN 140 with a grade of "C" or better and credit or concurrent enrollment in GRDSN 142. This course stresses studio and laboratory project development and design of digital graphic solutions. This course includes advanced graphic design problems, stressing a practical foundation of knowledge of the graphic design process and methodologies. Instruction includes theoretical basis and practical approach to concept and creation of studio and laboratory projects. Advanced graphic design techniques, processes, terminology, software and conceptual skills are emphasized.

Lecture Hours: 0 Laboratory Hours: 6

GRDSN 240**3 HRS. (TC)****GRAPHIC DESIGN 4: ADVANCED DESIGN PROBLEMS**

Prerequisite: GRDSN 142 and GRDSN 150 both with a grade of "C" or better or department approval. This course includes advanced graphic design problems, stressing methodologies for creating effective solutions for visual communications. Instruction includes theoretical basis and practical approach to concept and creation of studio and laboratory projects. Advanced graphic design techniques, processes, terminology, software and conceptual skills are stressed.

Lecture Hours: 0 Laboratory Hours: 6

GRDSN 241**3 HRS. (OC)****ADVANCED GRAPHIC DESIGN II**

Prerequisite: GRDSN 240 with a grade of "C" or better or department approval. This course is a continuation of GRDSN 240, in creating advanced graphic design problems. Development of projects for portfolio presentation and career preparation for the Graphic Design field is stressed.

Lecture Hours: 0 Laboratory Hours: 6

GRDSN 255**1 HR. (OC)****INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides a student an opportunity to investigate areas of Graphic Design not included in the course of study according to the individual's academic needs. The student must submit a formal written plan detailing the project, number of credit hours assigned to it and the evaluative criteria that is to be used. This project must be carried out under the direction of a faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Green Building Construction**GRBCR 110****4 HRS. (OC)****BUILDING WALL SYSTEMS**

Prerequisite: Concurrent enrollment in ARCTK 119.

This course introduces students to the construction and repair of the building envelope. Students will learn how to select and operate power tools to construct or repair various wall systems including block, brick, and framed. Students will learn skills in wall-framing, installing, and repairing sheet rock, and finishing interior and exterior walls.

Lecture Hours: 2 Laboratory Hours: 5

GRBCR 120**4 HRS. (OC)****BUILDING ROOFS**

Prerequisite: Concurrent enrollment in ARCTK 119 and GRBCR 110 with a grade of "C" or better. This course introduces the student to the roof systems used in residences and light commercial applications. Students will understand basic roof requirements such as sustaining wind and snow loads. Students will be able to recognize components of the common roofing systems. Students will learn to practice environmentally sensitive methods for installing and repairing roof systems.

Lecture Hours: 2 Laboratory Hours: 5

Green Building Environment**GRBE 130****3 HRS. (OC)****CENTRAL HEATING AND COOLING PLANT**

Prerequisite: GRBE 120. In this course the student will develop a strong understanding of what a central system is and the advantages over spot heating and cooling. Course content will also cover the old style systems through to the greenest types of heating and cooling systems.

Lecture Hours: 3 Laboratory Hours: 0

Health**HLTH 041****0.5 HRS. (VSC)****BASIC LIFE SUPPORT (CPR)**

This course presents the techniques of cardiopulmonary resuscitation (CPR) and foreign body airway obstruction (FBAO) management. Upon successful completion of written and skills evaluations, the student will be issued an American Heart Association Healthcare Provider card.

Lecture Hours: 0.5 Laboratory Hours: 0

HLTH 107**1 HR. (OC)****BASIC ELECTROCARDIOGRAMS**

Prerequisite: Department approval. This course is designed to prepare the student to perform electrocardiograms. Emphasis is placed on lead placement, artifact, and machine operation. Basic anatomy and physiology of the cardiac system and electrophysiology are presented. Lethal dysrhythmias will be discussed. Practical skills experiences will be provided to correlate with the course content.

Lecture Hours: 0.5 Laboratory Hours: 1.5

HLTH 108**1 HR. (OC)****ELECTROCARDIOGRAM INTERPRETATION**

This course is designed to prepare the student to identify key elements of the electrocardiogram in order to interpret and recognize patterns of dysrhythmias. Basic anatomy and physiology of the cardiac system and cardioelectrophysiology are presented. This course will prepare the student for advanced cardiac life support study.

Lecture Hours: 0.5 Laboratory Hours: 1.5

HLTH 110**2 HRS. (OC)****FUNDAMENTALS OF STERILE PROCESSING**

Prerequisite: None. This course introduces students to an understanding of the decontamination, packaging, and handling of surgical medical products; processing and reprocessing of instruments and products; and the issues involved in inventory control and quality assurance of sterile products.

Lecture Hours: 1.5 Laboratory Hours: 1

HLTH 112**5 HRS. (OC)****NURSING ASSISTANT TRAINING**

Prerequisite: Accuplacer reading score 44 or greater; or equivalent approved reading placement score; and completion of CPR for the Healthcare Provider or concurrent enrollment in HLTH 041. This course is designed to prepare the student to function as a nurse assistant in nursing homes.

Lecture Hours: 3 Laboratory Hours: 6

HLTH 116**1 HR. (OC)****NURSE ASSISTANT: ALZHEIMER'S DISEASE**

Prerequisite: Concurrent enrollment in HLTH 112 and Accuplacer score of 44 or greater, or equivalent, or departmental approval. This course is an introduction to the study of Alzheimer's Disease and related dementias. Topics covered include aging and dementia, communication, care and treatment modalities, behavior issues and management techniques, activities, nutrition, family roles, community resources, and staff support.

Lecture Hours: 1 Laboratory Hours: 0

HLTH 120 2 HRS. (TC)**FIRST AID**

This course is designed to provide basic knowledge and skills needed to provide immediate first aid in case of accident or illness. Emphasis is placed on personal safety and accident prevention. Two lecture hours per week or equivalent.

Lecture Hours: 2 Laboratory Hours: 0

HLTH 121 2 HRS. (OC)**MEDICAL TERMINOLOGY**

Prerequisite: Placement into ENGL 095 or higher, or equivalent; or departmental approval. This course is designed to introduce the student to medical terminology, including roots, prefixes, and suffixes, with emphasis on spelling, defining and application in the health care workplace.

Lecture Hours: 2 Laboratory Hours: 0

HLTH 150 3 HRS. (TC)**FOUNDATIONS OF HEALTH**

This course is an overview of current health issues. In addition to physical/mental health conditions, the course also explores environmental factors, violence and health care costs as they relate to individuals, families and the community.

Lecture Hours: 3 Laboratory Hours: 0

Health Occupations**HEOCC 112 2 HRS. (OC)****INTRODUCTION TO PHARMACOLOGY**

Prerequisite: Admission to or graduate of Health Occupations program or department approval. This course provides an introduction to the understanding of pharmacology. Emphasis will be placed on basic drug terminology, drug classifications and systems of measurement.

Lecture Hours: 1 Laboratory Hours: 2

HEOCC 114 1 HR. (OC)**INTRODUCTION TO INTERDISCIPLINARY HEALTH CARE**

Prerequisite: Enrollment in Health Occupations program or department approval. This is an interdisciplinary course designed to provide health occupations students with the common knowledge and skills necessary to perform effectively in a changing health care environment. Health care management/systems issues, ethical and legal healthcare issues, interpersonal dynamics, team management, employability skills, basic computer skills, and problem solving/cases are included.

Lecture Hours: 0.5 Laboratory Hours: 1.5

HEOCC 200 3 HRS. (OC)**DISEASE PROCESSES IN MAN**

Prerequisite: BIOL 140 with a grade of "C" or better or department approval. This course is designed to acquaint the student with disorders affecting tissues, organs and systems of the human body. Major health problems affecting large numbers of patients will be examined in relationship to causes, occurrence, signs and symptoms, diagnostic findings, treatment and prognosis, and the patient's, family's, and society's responses to them.

Lecture Hours: 3 Laboratory Hours: 0

HEOCC 220 1 HR. (OC)**LEGAL ISSUES IN HEALTH CARE**

Prerequisite: Acceptance to Physical Therapist Assistant or Occupational Therapy Assistant or Radiography or Medical Coder curricula or department approval. This course explores the legal foundations of health care delivery. Health law including negligence, hospital responsibilities, patient rights, and federal and state labor laws is discussed.

Lecture Hours: 1 Laboratory Hours: 0

HEOCC 230 1 HR. (OC)**HEALTH CARE ORGANIZATION AND RESOURCES**

Prerequisite: Acceptance to Occupational Therapy Assistant or Physical Therapist Assistant or Radiography degree completion curricula or department approval. This course is designed to provide a review of the development and organization of the health care delivery system. Emphasis is placed upon the development of an understanding of the health care system and resources: people, money, equipment and facilities. Credentialing mechanisms will be identified and discussed.

Lecture Hours: 1 Laboratory Hours: 0

History**HIST 111 4 HRS. (TC)****EARLY WORLD CIVILIZATIONS (H2 906)**

Prerequisite: Approved reading placement score, or equivalent. This course surveys the major ancient and medieval civilizations of the world from prehistoric origins to about 1500. Topics include civilizations of the Near East and Africa, South and East Asia, and the Americas as well as Europe and the Mediterranean.

Lecture Hours: 4 Laboratory Hours: 0

HIST 112 4 HRS. (TC)**MODERN WORLD CIVILIZATIONS (H2 907)**

Prerequisite: Approved reading placement score, or equivalent. This course is a continuation of HIST 111 and concentrates on the Modern era of world history since about 1500. Particular emphasis is placed on political, economic, and social developments which have shaped the cultures of the world including Europe, Russia, Africa, Asia, the Middle East, and the Americas.

Lecture Hours: 4 Laboratory Hours: 0

HIST 117 3 HRS. (TC)**EARLY WESTERN CIVILIZATION (S2 902)**

Prerequisite: Approved reading placement score, or equivalent. This course presents an introduction to the history of Western Civilization in the Ancient, Medieval, and Renaissance periods. Major topics include origins of civilization, the Hebrews, Greek and Roman civilization, origins and development of Christianity, Medieval society and economy, the rise of national monarchies, the Renaissance, the Protestant Reformation, and the origins of modern economic and political concepts.

Lecture Hours: 3 Laboratory Hours: 0

HIST 118 3 HRS. (TC)**MODERN WESTERN CIVILIZATION (S2 903)**

Prerequisite: Approved reading placement score, or equivalent. This course presents an introduction to the history of Europe and its relationships with the world since the Renaissance. Major topics include development of science and technology, capitalism and industry, liberalism, imperialism, nationalism, socialism, totalitarianism, and international relations.

Lecture Hours: 3 Laboratory Hours: 0

HIST 201 3 HRS. (TC)**AMERICAN HISTORY TO 1877 (S2 900)**

Prerequisite: Approved reading placement score, or equivalent. This course traces the history of the United States from the pre-Columbian period through the Civil War and its aftermath. Topics include the clash between the American view of self-government and the English concept of empire, the achievement of independence, the formulation and implementation of federal government, the rise and development of political parties, changing concepts of democracy, the Westward movement, sectional controversy, the Civil War, and Reconstruction.

Lecture Hours: 3 Laboratory Hours: 0

HIST 202 3 HRS. (TC)**AMERICAN HISTORY SINCE 1877 (S2 901)**

Prerequisite: Approved reading placement score, or equivalent. This course traces the history of the United States from the end of Reconstruction to the present. Topics include western expansion and the impact on the frontier, the growth and development of an industrial economy, responses to industrialization, reform and the meaning of American democracy, the United States and World War I, the 1920's, the Depression and the New Deal, World War II, and the United States since 1945.

Lecture Hours: 3 Laboratory Hours: 0

HIST 203 3 HRS. (TC)**ILLINOIS HISTORY**

Prerequisite: Approved reading placement score, or equivalent. This course surveys the state history of Illinois within a larger national and international context, focusing on forces and factors that have shaped growth and development of industry, education, cultural affairs, politics and commerce.

Lecture Hours: 3 Laboratory Hours: 0

HIST 204 3 HRS. (TC)**AFRICAN-AMERICAN HISTORY**

Prerequisite: Approved reading placement score, or equivalent. This course traces the experiences of African-Americans in the United States from 1619 to the present. Particular emphasis is placed on contributions of African-Americans to American culture and society.

Lecture Hours: 3 Laboratory Hours: 0

HIST 210 3 HRS. (TC)**PERSPECTIVES ON THE PRESENT**

Prerequisite: Approved reading placement score, or equivalent. This course involves detailed study of a specific topic identified in the course title each time it is offered, with the general goal of providing insights relevant to the contemporary world from a historical perspective. This course is repeatable once for credit as long as topic is different.

Lecture Hours: 3 Laboratory Hours: 0

HIST 231 3 HRS. (TC)**HISTORY OF EAST ASIA (S2 908N)**

Prerequisite: Approved reading placement score, or equivalent. This course presents an introductory survey of East Asian history from ancient times to the present, including China, Korea, Japan, Taiwan, and Vietnam. To a lesser extent we will also study Indonesia, the Philippines, and other Pacific islands in the context of colonialism. Our study will begin with the ancient origins of these cultures, proceeding through their classical periods c. 500 BC -AD 1500, and concluding with the modern era of Western imperialism, globalization, and other issues through the early 21st century. This course requires a writing component.

Lecture Hours: 3 Laboratory Hours: 0

Home Performance Technology**HPT 110 3 HRS. (OC)****INTRODUCTION TO SUSTAINABLE CONSTRUCTION**

Prerequisite: Department approval. This course is designed to cover the introduction of sustainable/green building construction practices for new and existing residential buildings.

Lecture Hours: 3 Laboratory Hours: 0

HPT 120 3 HRS. (OC)**INTRODUCTION TO BUILDING ENERGY ANALYSIS**

Prerequisite: HPT 110 with a grade of "C" or better or concurrent enrollment, or department approval. This course is designed to cover the introduction of the different types of energy audits and how to conduct an energy audit and water audit of residential and light commercial buildings. All students are required to take the Building Science Principles Reference Guide exam.

Lecture Hours: 3 Laboratory Hours: 0

HPT 140 3 HRS. (OC)**INDOOR AIR QUALITY AND VENTILATION**

Prerequisite: Department approval. This course is designed to deal with the health impacts of poor indoor air quality and how to monitor the indoor air quality of residential and light commercial buildings. Laboratory experiences are designed to provide hands-on experiences that students will analyze and determine corrective actions to ensure a healthy indoor environment.

Lecture Hours: 2 Laboratory Hours: 2

HPT 150 3 HRS. (OC)**BUILDING ENVELOPE EVALUATION**

Prerequisite: Department approval. In this course, individuals are trained on current methods to evaluate a building's exterior ability to control air infiltration and heat transfer. Laboratory experiences are designed to provide hands-on experiences that students experience setting up test equipment to analyzing building envelopes. This course prepares individuals to pass the Building Performance Institute (BPI) Building Analyst and Envelope Professional exams.

Lecture Hours: 2 Laboratory Hours: 2

HPT 155 3 HRS. (OC)**HOME PERFORMANCE PROJECT**

Prerequisite: HPT 110, HPT 120, HPT 140, HPT 150, REACT 110, REACT 118 and ARCTK 119, all with a grade of "C" or better or department approval. This is the capstone course for the Home Performance Technician certificate. In this course the student will apply all of the knowledge and skills learned in other "home performance" courses. The student will be doing community service work and helping others to learn about new ways of improving occupant health and safety, building durability, reduce energy consumption, and reducing operation costs along the way.

Lecture Hours: 1 Laboratory Hours: 5

Horticulture**HORT 110 4 HRS. (OC)****INTRODUCTION TO HORTICULTURAL PLANTS (AG 905)**

An introduction to the principles and practices in the development, production, and use of Horticultural crops. Includes the classification, structure, growth and development, and environmental influences on horticultural plants; horticultural technology; and an introduction to the horticultural industries.

Lecture Hours: 3 Laboratory Hours: 3

HORT 114 3 HRS. (OC)**INTRODUCTION TO TURFGRASS MANAGEMENT**

This course emphasizes the general types of turfgrasses, their growth habits and requirements, and the establishment of turf. Fertilizers, diseases, insects, weeds, and turf equipment are included.

Lecture Hours: 2 Laboratory Hours: 3

HORT 124 3 HRS. (OC)**LANDSCAPE CONSTRUCTION**

This course emphasizes techniques and uses of materials as they pertain to construction of various landscape features. Students will gain practical experience in the use of surveying instruments, and concrete and paving materials. Additional experience in constructing drainage systems, walls, steps, fences, terraces and patios will be discussed.

Lecture Hours: 2 Laboratory Hours: 3

HORT 126 3 HRS. (OC)**LANDSCAPE ESTABLISHMENT AND MANAGEMENT**

This course covers the sequential process of installing a landscape project and provide an understanding of the processes involved in site development. They will learn the procedures for proper plant installation, and develop the techniques to properly maintain and prune a variety of plant material. General arboriculture techniques will be introduced including: equipment usage, tree climbing, safety and removal.

Lecture Hours: 2 Laboratory Hours: 3

HORT 130 3 HRS. (OC)**WOODY PLANT ID**

This course emphasizes the identification, selection, use and maintenance of woody trees and shrubs.

Lecture Hours: 2 Laboratory Hours: 3

HORT 132 3 HRS. (OC)**PLANT PROBLEM DIAGNOSIS AND MANAGEMENT**

This course is a study of the various diseases and insects that attack ornamental shrubs, trees and grasses. The latest developments in chemical control and machinery for application are considered.

Lecture Hours: 2 Laboratory Hours: 3

HORT 134 1 HR. (OC)**ARBORICULTURE TECHNIQUES**

Prerequisite: HORT 126 with a grade of "C" or better. This course will teach the student the materials and methods of properly pruning trees by climbing.

Emphasis will be on proper equipment selection, utilizing safe practices, and teamwork.

Lecture Hours: 1 Laboratory Hours: 0

HORT 210 3 HRS. (OC)**PLANT PROPAGATION**

This course studies the propagation of various types of plants used in the horticulture industry. Sexual and asexual plant propagation techniques will be discussed and laboratory exercises utilizing these principles performed.

Lecture Hours: 2 Laboratory Hours: 3

HORT 213 3 HRS. (OC)**LANDSCAPE LAYOUT AND DESIGN**

Prerequisite: Concurrent enrollment in HORT 130.

This course is an introduction to free hand drawing and scale drawings. Cost calculations and layout designs for specific jobs are emphasized.

Lecture Hours: 1 Laboratory Hours: 6

HORT 214 3 HRS. (OC)**HORTICULTURAL MECHANICS**

This course includes the adjustment and maintenance of equipment used in industry. Special emphasis is given to spreader and sprayer calibration, sod cutters, mowing equipment, seeders, aerifiers, and servicing and troubleshooting two- and four- cycle engines.

Lecture Hours: 2 Laboratory Hours: 3

HORT 216 2 HRS. (OC)**IRRIGATION SYSTEMS**

Prerequisite: HORT 114 with a grade of "C" or better. This course will teach the student about irrigation system concepts, equipment, design, troubleshooting, and repair. Emphasis will be on residential design systems. Golf course and sports field systems will be introduced.

Lecture Hours: 2 Laboratory Hours: 0

HORT 218 2 HRS. (OC)**LANDSCAPE ESTIMATION AND CONTRACTS**

This course is for the student to 1) learn to interpret landscape plans for estimation and installation, 2) prepare landscape estimates, 3) use computer spreadsheets in estimating, 4) understand commercial software used in preparing estimates, and 5) use the various contracts common to the landscape industry.

Lecture Hours: 2 Laboratory Hours: 0

HORT 219 2 HRS. (OC)**LANDSCAPE ESTABLISHMENT AND MANAGEMENT**

This course is for the student to: 1) understand the sequential process of installing a landscape project, 2) to understand the processes involved in site development of a landscape project, 3) learn the installation procedures recommended for landscape plant material, and 4) learn the maintenance techniques recommended for landscape plant material.

Lecture Hours: 2 Laboratory Hours: 0

HORT 226 3 HRS. (OC)**OCCUPATIONAL INTERNSHIP AND SEMINAR**

Prerequisite: Department approval. This course is for students to gain work experience in the horticultural business of their choice, practice skills learned in program classes, develop new skills specific to their chosen occupation, and learn the management aspects of a horticultural business.

Lecture Hours: 0 Laboratory Hours: 20

HORT 229 3 HRS. (OC)**HORTICULTURE BUSINESS MANAGEMENT**

This course discusses the horticulture business field including organization, financing, merchandising, personnel management, credit and analytical procedures.

Lecture Hours: 3 Laboratory Hours: 0

HORT 235 2 HRS. (OC)**ADVANCED TURF MANAGEMENT I**

Prerequisite: HORT 114 with a grade of "C" or better. This course will take a more in depth look at turfgrass physiology and growing conditions as well as the breeding efforts with major turfgrass species. Emphasis will be placed on maintenance of turfgrasses on a variety of sites, including chemical selection, fertilization, pest control, and equipment usage.

Lecture Hours: 2 Laboratory Hours: 0

HORT 237 3 HRS. (OC)**GARDEN FLOWERS**

This course is designed to provide basic knowledge about annual flowers, perennial flowers, wild flowers and herbs. Emphasis is on their care, propagation and use in the landscape.

Lecture Hours: 2 Laboratory Hours: 3

HORT 238 1 HR. (OC)**WINTER IDENTIFICATION OF DECIDUOUS PLANTS**

Prerequisite: Concurrent enrollment in HORT 130 or department approval. This course concentrates on the identification of deciduous trees and shrubs by their winter characteristics. The use of plant keys will be emphasized.

Lecture Hours: 1 Laboratory Hours: 0

HORT 241 2 HRS. (OC)**INTRODUCTION TO COMPUTERIZED LANDSCAPE DESIGN**

Prerequisite: Concurrent enrollment in HORT 213 or department approval. This course is an introduction to the use of computers for landscape design. The course covers software basics, and starting, editing, and completing drawings using DynaSCAPE(c). Two-dimensional commands will be emphasized, but the student will also be introduced to 3-D. The last quarter of the course will allow the student to do an on-site visit and carry the design to completion.

Lecture Hours: 1 Laboratory Hours: 2

HORT 245 3 HRS. (OC)**GARDEN CENTER MANAGEMENT**

This course will examine the management activities involved in operating a garden center. Topics will include: merchandising and pricing strategies, salesmanship, advertising, maintenance of garden center green goods, and managing garden center personnel.

Lecture Hours: 3 Laboratory Hours: 0

HORT 246 3 HRS. (OC)**ADVANCED TURF MANAGEMENT II**

Prerequisite: Hort 235 with a grade of "C" or better. This course will examine turfgrass management of sports field, golf course, sod production, and professional lawn care areas. It will include design, installation, preparation and maintenance of these turfgrass areas. Administrative practices of the turfgrass industry will be discussed.

Lecture Hours: 2 Laboratory Hours: 3

HORT 250 1 HR. (OC)**HORTICULTURE CAREER PREPARATION AND SEMINAR**

Prerequisite: concurrent enrollment in HORT 226 or department approval. Students will develop comprehensive knowledge of the industry as the course will combine aspects from all of the horticulture curriculum so that students will develop a holistic approach to landscape management. This course will prepare students to take the Landscape Industry Certified Horticultural Technician exam. The course will also prepare students for employment in the green industry. Employee soft-skills and professionalism will be addressed so that the transition from classroom to workforce can be made smoothly.

Lecture Hours: 1 Laboratory Hours: 0

HORT 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Hospitality**HOS 110 3 HRS. (OC)****INTRODUCTION TO HOSPITALITY MANAGEMENT**

This course provides a survey of a travel and tourism industry, gives an insight into each department in lodging and food service operations. It explores issues hotel/motel managers face daily and highlights career opportunities.

Lecture Hours: 3 Laboratory Hours: 0

HOS 111 3 HRS. (OC)**FRONT OFFICE OPERATIONS**

Prerequisite: HOS 110 with a grade of "C" or better or concurrent enrollment. This course shows students how to perform and manage front office functions and how these functions affect the overall operation of a hotel. It explains reservation, registration and check-out procedures, how to handle guest complaints and emergencies, plus basic hotel accounting and night audit procedures.

Lecture Hours: 3 Laboratory Hours: 0

HOS 112 3 HRS. (OC)**FACILITIES MANAGEMENT**

Prerequisite: HOS 110 with a grade of "C" or better. This course is a survey of the various aspects of housekeeping and plant management. It includes the training, scheduling, and supervision of staff and the evaluation, purchase, and proper use of equipment, materials, and supplies.

Lecture Hours: 3 Laboratory Hours: 0

Human Services**HUMSV 110 3 HRS. (TC)****INTRODUCTION TO HUMAN SERVICES**

Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course provides an introduction to the field of human services, its basic principles, and the roles and functions of the human services professional. The characteristics of populations with whom the human services professional works will be a focus of this course, along with current social issues and ethical codes workers in this field face.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 111 3 HRS. (OC)**HUMAN SERVICES APPLICATIONS I**

Prerequisite: Approved reading placement score, or equivalent, or department approval. In this course, students will gain a practical understanding of their role in the helping professions. They will become familiar with the characteristics and types of problem behavior of specific at-risk populations as well as basic skills and techniques necessary to work successfully with those clients.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 114 3 HRS. (OC)**INTRODUCTION TO DEVELOPMENTAL DISABILITIES**

This course teaches students about the major types of developmental disabilities, including information about their incidence, casual factors, significant characteristics, treatment, and prevention.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 120 4 HRS. (OC)**SURVEY OF PSYCHIATRIC REHABILITATION**

This course is an introduction to the concept and application of psychiatric rehabilitation. The course has four major themes - the understanding of psychiatric disability and current approaches to treatment; the mental health system and surrounding legal issues; psychiatric rehabilitation through vocational skills training; and family and community support systems. Under the direction of an on-site agency supervisor, students will also spend thirty-two hours in observational experiences. Observation and interactive experiences will focus on inpatient milieu and general activities, case management, vocational training, skills training, and consumer activities.

Lecture Hours: 3 Laboratory Hours: 2

HUMSV 121 3 HRS. (OC)**PSYCHIATRIC REHABILITATION SKILLS**

In this course the student will learn about a rehabilitative approach to serving individuals with serious mental illness. This course has five major themes: basic interviewing and listening skills, skills training and performance, preventing and managing aggression, assessment and treatment planning, and crisis intervention.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 122 3 HRS. (OC)**PSYCHIATRIC REHABILITATION HEALTH SKILLS**

This course examines three dimensions of wellness - physical, emotional, and environmental - involved in a rehabilitative approach to serving individuals with serious mental illness. Students will learn the fundamentals of physical wellness, including diet, nutrition, exercise, sanitation, disease prevention and control, and the special considerations necessary for persons with serious mental illness.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 123 4 HRS. (OC)**VOCATIONAL AND COMMUNITY LIVING SKILLS**

In this course, students examine vocational rehabilitation and community living skills related to a rehabilitative approach to serving individuals with serious mental illness. The focus of the course is on developing skills for working with community, state, and federal agencies that serve mental health consumers. Under the direction of an on-site agency supervisor, students will also spend a minimum for thirty-two hours in observational experiences, the focus of which is vocational rehabilitation and case management for mental health consumers. Lecture Hours: 3 Laboratory Hours: 2

HUMSV 124 3 HRS. (OC)**FAMILY SYSTEMS IN THE HUMAN SERVICES**

Prerequisite: HUMSV 110 or department approval. This course teaches students about the types of families who seek assistance from the human services system, interventions and strategies to assist those families, and appropriate functions and roles of human services paraprofessionals in the helping process.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 125 3 HRS. (OC)**CULTURAL COMPETENCE IN THE HUMAN SERVICES**

Prerequisite: HUMSV 110 or department approval. This course teaches students about their own culture/heritages in comparison to others with reference to behaviors, interaction, and values. Through greater understanding of self and others, students will be able to develop helping approaches that are culturally sensitive.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 127 1 HR. (OC)**COMMUNITY RESOURCES AND ENTITLEMENT PROGRAMS**

This course teaches students about community resources for at-risk populations and how to help human services consumers access entitlement programs.

Lecture Hours: 1 Laboratory Hours: 0

HUMSV 150 1 HR. (OC)**HUMAN SERVICE TOPICS**

In this course students will learn about the nature of specific psychosocial issues and approaches with which human services professionals and community volunteers work. Such topics could include domestic violence, depression, suicide, substance abuse, and prevention and intervention strategies.

Lecture Hours: 1 - 3 Laboratory Hours: 0

HUMSV 151 3 HRS. (OC)**CRISIS AND SUICIDE INTERVENTION**

This course is designed to prepare students to understand the nature of several psychological and social issues such as suicide, stress, mental illnesses, anxiety, substance abuse, and domestic violence. Students will also learn basic prevention and intervention strategies to deal with such issues.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 152 1 HR. (OC)**CHILD WELFARE SYSTEM**

This course will provide students with an understanding of the basic child welfare policies, practices, and programs related to children and families in Illinois. They will understand how children enter the system, what happens to children while they are in the system, and how the child will exit the child welfare system.

Lecture Hours: 1 Laboratory Hours: 0

HUMSV 154 1 HR. (OC)**MENTAL HEALTH FIRST AID**

This course is an empirically-backed prevention tool used to improve the knowledge of mental health problems through learning to assess the situation, select and implement appropriate interventions, and secure appropriate care for individual's experiencing a mental health problem.

Lecture Hours: 1 Laboratory Hours: 0

HUMSV 155 3 HRS. (OC)**SOCIAL CLASS AND THE HELPING PROFESSIONS**

This course is an examination of how social class is defined in the American culture and the role it plays in an individual's view of self and world. Students will have an understanding of how social class dynamics may impact working with individuals in the helping professions through case studies, experiential learning, and literature review.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 156 1 HR. (OC)**YOUTH MENTAL HEALTH FIRST AID**

This course will provide instruction in assisting a young person who may be in the early stages of developing a mental health problem or in a mental health crisis.

Lecture Hours: 1 Laboratory Hours: 0

HUMSV 200 3 HRS. (OC)**HUMAN SERVICES APPLICATIONS II**

This course introduces students to the skills and strategies essential to effective communication in paraprofessional positions. Students will gain practical experience using effective interaction techniques with at-risk populations and documentation skills needed in human services settings.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 205 3 HRS. (OC)**GROUP DYNAMICS**

Prerequisite: HUMSV 110. A practical foundation will be laid for creating and leading groups within the helping professions. Grounded in theory, a strong focus will be on practice and skill development.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 212 3 HRS. (OC)**UNDERSTANDING DEMENTIA**

In this course, students will learn about the types and characteristics of dementia, the relationship of dementia to other mental health disorders in older persons, care giving issues and concerns, and the roles of human services paraprofessionals working with older persons who are experiencing dementia and their families.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 213 3 HRS. (OC)**ISSUES IN ABUSE**

This course teaches students about abuse and neglect of children, domestic violence, and abuse, neglect, and exploitation of older persons. Topics of discussion will include: the historical context of abuse, demographics of abuse, common myths about abuse, methods of investigating abuse, and cultural differences in abuse.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 215 3 HRS. (TC)**HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT**

Prerequisite: HUMSV 110. This course explores the dynamics of human behavior across the lifespan. It examines how various aspects of the social environment impact the functioning of individuals and subsequently determines the needs and resources required by the people being served within the field of human services.

Lecture Hours: 3 Laboratory Hours: 0

HUMSV 250 2 HRS. (OC)**HUMAN SERVICE INTERNSHIP**

Prerequisite: HUMSV 110, HUMSV 111, and HUMSV 200 all with a grade of "C" or better or department approval. This course discusses weekly seminar topics relevant to the laboratory component which occurs in selected community agencies under the supervision of both agency and college personnel.

Lecture Hours: 1 Laboratory Hours: 3

HUMSV 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: HUMSV 110 with a grade of "C" or better and department approval. This course provides a student the opportunity to work on a specific project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant information), and the project is carried out under the direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department. The student also submits a final written report to the faculty member.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Humanities**HUMAN 123 3 HRS. (TC)****CLASSICAL HUMANITIES: BEGINNINGS THROUGH 1650 (HF 902)**

Prerequisite: Approved reading placement score, or equivalent. This course is an interdisciplinary study of literature, philosophy, the visual arts, and music in Western civilization from the ancient to the early modern periods. It is designed to show the inter-relationships of the arts and to give students a broad cultural background.

Lecture Hours: 3 Laboratory Hours: 0

HUMAN 124 3 HRS. (TC)**MODERN HUMANITIES: 1650-1900 (HF 903)**

Prerequisite: Approved reading placement score, or equivalent. This course is an interdisciplinary study of literature, philosophy, the visual arts, and music in Western civilization between the early modern and the contemporary periods: the seventeenth, eighteenth, and nineteenth centuries. It is designed to show the inter-relationships of the arts and to give students a broad cultural background.

Lecture Hours: 3 Laboratory Hours: 0

HUMAN 125 3 HRS. (TC)**CONTEMPORARY HUMANITIES (HF 903)**

Prerequisite: Approved reading placement score, or equivalent. This course is a thematic-based interdisciplinary study of twentieth and twenty-first century literature, philosophy, the visual arts, and music. It is designed to show the inter-relationships of the arts and to give students a broad cultural background.

Lecture Hours: 3 Laboratory Hours: 0

HUMAN 250 3 HRS. (TC)**EXPERIENCES IN ART AND MUSIC (F9 900)**

Prerequisite: Approved reading placement score, or equivalent. This course is an interdisciplinary study of aesthetic expression in both the visual and the performing arts, highlighting their inter-relationships and commonalities. It is designed to provide students with a broad cultural background through attendance at various music performances and art galleries. Emphasis will be given to these experiences in art and music and how they relate to each other and the world in which we live.

Lecture Hours: 1 Laboratory Hours: 4

Interior Design**INDSN 140 4 HRS. (TC)****BASIC INTERIOR DESIGN**

This course is an introduction to Interior Design and stresses the application of the elements and principles of design in space planning using knowledge of the basic materials used in interiors. Drafting and presentation skills are taught.

Lecture Hours: 4 Laboratory Hours: 0

INDSN 141 4 HRS. (TC)**HISTORY OF FURNITURE AND FURNISHINGS**

This lecture based course covers the history of furniture, architectural elements and room design from the Prehistoric Era through Modernism. Knowledge of residential and commercial projects of a particular historical style or blend of styles is taught as well.

Lecture Hours: 4 Laboratory Hours: 0

INDSN 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: INDSN 140 with a grade of "C" or better and INDSN 141 with a grade of "C" or better. This course provides a student an opportunity to investigate areas of Interior Design not included in the course of study according to the individual's academic needs. The student must submit a formal written plan detailing the project, number of credit hours assigned to it and the evaluative criteria that is to be used. This project must be carried out under the direction of a faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. This course can be repeated up to three times up to a maximum of five hours semester credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

International Studies**INTST 130 3 HRS. (TC)****THE SOCIETY AND CULTURE OF CHINA (S2 914N)**

Prerequisite: Approved reading placement score, or equivalent. This course introduces students to the society and culture of China from its historical origins through the present, with interdisciplinary perspectives including geography, population, politics, economy, international relations, philosophy, religion, and the arts.

Lecture Hours: 3 Laboratory Hours: 0

INTST 132 3 HRS. (TC)**LATIN AMERICAN HUMANITIES (HF 904N)**

Prerequisite: Approved reading placement score, or equivalent. This course helps students understand the history, cultures, and societies of Latin America from pre-Columbian times through the present.

Lecture Hours: 3 Laboratory Hours: 0

INTST 133 3 HRS. (TC)**CULTURES AND CIVILIZATIONS OF SUB-SAHARAN AFRICA (HF 904N)**

Prerequisite: Approved reading placement score, or equivalent. This course introduces students to the history, culture, and societies of sub-Saharan Africa from its beginning through the present.

Lecture Hours: 3 Laboratory Hours: 0

INTST 134 3 HRS. (TC)**INTRODUCTION TO MIDDLE EASTERN CULTURES (S2 918N)**

Prerequisite: Approved reading placement score, or equivalent. This course introduces the student to the history, cultures, and societies of the Middle East from pre-Islamic times through the present.

Lecture Hours: 3 Laboratory Hours: 0

INTST 140**3 HRS. (TC)****GLOBAL ISSUES (S9 900)**

Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course will investigate current global issues from a variety of social science perspectives, including sociology, anthropology, political science, history and geography. Through class activities students will develop a more globally informed perspective on the global issues of our day and gain an understanding of how to apply various social science disciplines to a topic.

Lecture Hours: 3 Laboratory Hours: 0

Interpreter Preparation**IPP 110****4 HRS. (OC)****AMERICAN SIGN LANGUAGE I**

Prerequisite: Approved reading placement score, or equivalent, or ENGL 110 or an equivalent course with a grade of "C" or better. This is a beginning course in American Sign Language. It introduces basic expressive and receptive ASL vocabulary and linguistic principles. Topics covered include, but are not limited to, classifiers, non-manual markers, ASL grammar rules, fingerspelling and numeric concepts, and deaf culture. Students learn and implement approximately twelve hundred ASL vocabulary terms.

Lecture Hours: 2 Laboratory Hours: 4

IPP 111**4 HRS. (OC)****AMERICAN SIGN LANGUAGE II**

Prerequisite: IPP 110 with a grade of "C" or better, or department approval. This course is a continuation of skills developed in IPP 110 (ASL I). IPP 111 (ASL II) will provide students the opportunity to continue to expand their knowledge of vocabulary; approximately one thousand new signs will be covered. Students will continue to learn grammatical features of American Sign Language. Continued skill building of expressive and receptive Fingerspelling skills are included. Peer and self-assessment skills are emphasized.

Lecture Hours: 2 Laboratory Hours: 4

IPP 112**3 HRS. (OC)****AMERICAN SIGN LANGUAGE III**

Prerequisite: IPP 111, IPP 118, and IPP 121 with a grade of "C" or better, or department approval. This course is a continuation of skills developed in IPP 111 (ASL II). IPP 112 (ASL III) seeks to enhance student performance skills in expressive production and reception recognition and comprehension of ASL vocabulary and source messages. It provides a linguistic bridge into interpreting courses by focusing on easily confused signs and specialized sign vocabulary. Progress in the area of expressive and receptive fingerspelling skills is also emphasized.

Lecture Hours: 2 Laboratory Hours: 2

IPP 115**3 HRS. (OC)****DEAF CULTURE I**

Prerequisite: Approved reading placement score, or equivalent, or ENGL 110 with a grade of "C" or better or department approval. This course is designed for students who have no previous knowledge of the deaf community. It introduces the students to the basic essentials of deaf culture. Topics in the course include the history, language, attitudes, norms, behaviors, values, and traditions of deaf people. Students will also gain an awareness of the perspectives between the cultural and medical model of deafness.

Lecture Hours: 3 Laboratory Hours: 0

IPP 118**2 HRS. (OC)****AMERICAN SIGN LANGUAGE:****FINGERSPELLING AND NUMBERING I**

Prerequisite: IPP 110, 115, and 120 all with a grade of "C" or better, or department approval. This skills-based course reinforces students' abilities to use the American manual alphabet (fingerspelling). Concentration is on receptive and expressive skills, involved in the production of the American manual alphabet, lexicalized signs, and numbers. Extensive drills and practice, with an emphasis on real-world situations, are incorporated.

Lecture Hours: 1 Laboratory Hours: 2

IPP 120**2 HRS. (OC)****INTRODUCTION TO INTERPRETING**

Prerequisite: Approved reading placement score, or equivalent, ENGL 110 with a grade of "C" or better or department approval. This course introduces students to the profession of Sign Language interpreting. The path to employment as an interpreter through certification and licensure processes, employment venues where professional interpreters work, and linguistic aspects of the interpreting process are presented and explored. Students also begin their own professional journey by observing working interpreters in various settings.

Lecture Hours: 2 Laboratory Hours: 0

IPP 121**3 HRS. (OC)****PRACTICAL AND ETHICAL APPLICATIONS OF INTERPRETING**

Prerequisite: IPP 110, 115, and 120 all with a grade of "C" or better, or department approval. This course will focus on the interpreter's ethical and professional decision-making according to the RID Code of Professional Conduct, the EIPA Code of Ethics, and the Demand-Control Schema as they apply to working situations within the religious, legal, performing arts, mental health, medical, rehabilitation, social services settings. In-depth discussions will assess various interpreting situations and how to implement problem-solving strategies. This course will also present various occupational settings where interpreters work and focus on agencies that provide services to D/deaf and hard of hearing individuals and professional interpreters. Students will continue to observe working interpreters in professional environments. Discussions of professionalism will also be continued in this course.

Lecture Hours: 3 Laboratory Hours: 0

IPP 210**3 HRS. (OC)****AMERICAN SIGN LANGUAGE IV**

Prerequisite: IPP 112 with a grade of "C" or better, or department approval. This course is a continuation of skills developed in IPP 112 (ASL III). Students will continue to develop skills with advanced features of ASL grammar. Improved expressive and receptive ASL skills and expressive and receptive fingerspelling are also emphasized.

Lecture Hours: 2 Laboratory Hours: 2

IPP 211**3 HRS. (OC)****AMERICAN SIGN LANGUAGE V**

Prerequisite: IPP 210, 216, 220, and 230 all with a grade of "C" or better, or department approval. This course is a continuation of skills developed in IPP 210 (ASL IV). IPP 211 (ASL V) will provide students the opportunity to expand their comprehension of medium length stories and narratives. Information on cultural values and attitudes as they relate to the deaf community will be examined. Students will be given the opportunity to express self-generated stories, narratives, and dialogues of medium length in American Sign Language.

Lecture Hours: 2 Laboratory Hours: 2

IPP 216 3 HRS. (OC)**OCCUPATIONAL INTERPRETING**

Prerequisite: IPP 112 with a grade of "C" or better or department approval. This course will focus on the roles of the professional interpreter and employment venues including educational, medical, mental health, rehabilitation, social services, business, government, religious, and performing arts settings. Professional certification systems and processes are explored, and personal career goals are constructed. Options to work as an employee versus an independent contractor are analyzed.

Lecture Hours: 3 Laboratory Hours: 0

IPP 220 3 HRS. (OC)
INTERPRETING I

Prerequisite: IPP 112 a grade of "C" or better and or department approval. This course focuses on the acquisition of the interpreting process and introduces the skills necessary to achieve message equivalency when interpreting spoken English messages into American Sign Language or Conceptually Accurate Signed English (CASE). It provides in-class, hands-on experiences of source text analysis, simultaneous sign language interpreting/transliterating and peer and self-analysis.

Lecture Hours: 1 Laboratory Hours: 4

IPP 221 3 HRS. (OC)
INTERPRETING II

Prerequisite: IPP 210, 216, 220, and 230 all with a grade of "C" or better, or department approval. This course is a continuation of IPP 220 and is designed to expand students' skills to achieve message equivalency in simultaneously interpreting spoken English messages into American Sign Language or transliterating into Conceptually Accurate Signed English (CASE). Students continue to focus on source text analysis and peer and self-analysis. The students will increase skills in sight translation of written texts. Emphasis will be placed on expanding sign vocabulary of various employment settings.

Lecture Hours: 1 Laboratory Hours: 4

IPP 230 3 HRS. (OC)
VOICE INTERPRETING I

Prerequisite: IPP 112 with a grade of "C" or better or department approval. This course guides students through the process of receptive interpreting; conveying a signed message into spoken English. Aspects of the process: message and dynamic equivalence, register, vocabulary selection, and lip-reading skills, are taught, modeled and reinforced. Interpreting simulations and language projects incorporate relevant, real-world content. Students learn to self and peer evaluate the interpreted message.

Lecture Hours: 1 Laboratory Hours: 4

IPP 231 3 HRS. (OC)
VOICE INTERPRETING II

Prerequisite: IPP 210, 216, 220, and 230 all with a grade of "C" or better or department approval. This course is a continuation of IPP 230 and will expand student skills with the process of taking a signed message and conveying it into spoken English. It will focus on the receptive interpreting process, including voicing techniques and lip-reading skills, while using the correct register and incorporating vocal expression and appropriate word choices.

Lecture Hours: 1 Laboratory Hours: 4

IPP 260 3 HRS. (OC)
INTERPRETING INTERNSHIP

Prerequisite: IPP 210, 216, 220, and 230 all with a grade of "C" or better or department approval. This course is designed to provide students with practical interpreting experience in real-world settings. Students will complete a minimum of 80 contact hours under the supervision of a professional mentor. Clinical classroom discussions will address ethical and professional challenges faced during internship. Emphasis will be placed on the RID Code of Professional Conduct, the EIPA Code of Ethics, professionalism, complex linguistic tasks, and expanded knowledge of various interpreting settings.

Lecture Hours: 1 Laboratory Hours: 10

Italian**ITAL 110 4 HRS. (TC)**
ELEMENTARY ITALIAN I

Prerequisite: Approved reading placement score, or equivalent. This course is designed to develop through the natural approach the four language skills in Italian: listening, speaking, reading, and writing.

Lecture Hours: 4 Laboratory Hours: 0

ITAL 111 4 HRS. (TC)
ELEMENTARY ITALIAN II

Prerequisite: ITAL 110 with a grade of "C" or better or equivalent or department approval. This course is a continuation of ITAL110 with emphasis on listening, speaking, reading, and writing. The course is conducted primarily in Italian.

Lecture Hours: 4 Laboratory Hours: 0

ITAL 210 4 HRS. (TC)
INTERMEDIATE ITALIAN I

Prerequisite: ITAL 111 with a grade of "C" or better or equivalent or department approval. This course emphasizes conversation, selected readings, and composition. The course is conducted primarily in Italian.

Lecture Hours: 4 Laboratory Hours: 0

ITAL 211 4 HRS. (TC)
INTERMEDIATE ITALIAN II (H1 900)

Prerequisite: ITAL 210 with a grade of "C" or better, or equivalent, or department approval. This course is a continuation of ITAL 210. This advanced language course is designed to increase proficiency in speaking, listening, reading and writing in the language and provide the knowledge of the culture or cultures of peoples who speak the language. The writing assignments are delivered in Italian and are appropriate to both the level and the target language. This course is conducted in Italian.

Lecture Hours: 4 Laboratory Hours: 0

Journalism**JOURN 122 3 HRS. (TC)**
BEGINNING REPORTING (MC 919)

This writing course emphasizes the development of professional-level news gathering and news writing skills with special emphasis on accuracy, readability, balance, news value, and human interest. The theory and practice, as well as the history of journalistic writing, are presented. Students complete assignments that may be published. Special emphasis is given to media demands of deadline and balance.

Lecture Hours: 3 Laboratory Hours: 0

JOURN 123 3 HRS. (TC)
BASIC NEWS EDITING

Prerequisite: JOURN 122 with a grade of "C" or better or department approval. This course is an introduction to the principles and techniques of electronic editing, information management, and publication design emphasizing the editing of body copy and display type for maximum clarity and impact.

Lecture Hours: 3 Laboratory Hours: 0

JOURN 142 3 HRS. (TC)
PHOTOJOURNALISM

Prerequisite: JOURN 122 or ART 140 or MCOMM 110 with a grade of "C" or better or department approval. This course will provide students with a working knowledge of the objectives, techniques, and skills of photojournalism, or the use of photographs to tell a story. Emphasis will be placed on work that has journalistic value, including but not limited to coverage of activities, persons of interests, and issues. Students will learn photojournalistic workflow from assignment through layout.

Lecture Hours: 2 Laboratory Hours: 2

Library Technology

LIB 110 3 HRS. (OC)

INTRODUCTION TO LIBRARIES IN THE INFORMATION AGE

Introduction to the history, purpose, organization, and services of libraries focusing on the role of the Library Technical Assistant. Explores different types of libraries in the information industry. Identifies job opportunities in the field.

Lecture Hours: 3 Laboratory Hours: 0

LIB 111 1 HR. (TC)

INTRODUCTION TO RESEARCH

This course provides instruction in the foundational skills for quality research in any academic or real world venue. As well as instructing students on how to use the Illinois Central College Library, this course will focus on the fundamental skills the information fluent person should know such as how to rephrase a question for best results, how to determine quality results, how to avoid plagiarism and copyright issues, and how to best utilize the open world wide web for research purposes.

Lecture Hours: 1 Laboratory Hours: 0

LIB 114 2 HRS. (OC)

MULTIMEDIA SERVICES AND EQUIPMENT IN LIBRARIES TODAY

Basic operation, evaluation, selection and use of media, hardware, and software. This course also includes an introduction to Internet services, enriched media, and desktop applications. Emphasis on hands-on experience and creation of a media portfolio.

Lecture Hours: 1 Laboratory Hours: 2

LIB 116 3 HRS. (OC)

ACQUISITION OF LIBRARY MATERIALS

Introduces the Library Technical Assistant to the process of how to acquire materials, both print and non-print, from the decision to obtain them to the time they are ready to be cataloged. Automation processes and techniques are incorporated. Topics covered include bibliographic search tools, ordering, receiving and accounting procedures, selection policy, copyright, and automation.

Lecture Hours: 3 Laboratory Hours: 0

LIB 120 3 HRS. (OC)

INTRODUCTION TO CATALOGING AND CLASSIFICATION

This course introduces students to current practices in cataloging and classification of library materials. Emphasis is placed on the role of Library Technical Assistant (LTA) in descriptive and subject cataloging and the processing of print and non-print materials. Students will learn about the organization of information resources in print and non-print formats. Includes the philosophy, tools, and techniques for performing cataloging.

Lecture Hours: 3 Laboratory Hours: 0

LIB 125 3 HRS. (OC)

CATALOGING AND CLASSIFICATION

This course is designed to introduce the student to current practices in cataloging and classification of library materials, both print and non-print. A practical study is made of the Anglo-American Cataloging Rules, Dewey Decimal Classification, and Sears Subject Headings. Emphasis is placed on cataloging decisions for the online environment and shared cataloging.

Lecture Hours: 2 Laboratory Hours: 2

LIB 127 3 HRS. (OC)

MARC RECORD AND TECHNICAL PROCESSING

Prerequisite: LIB 125 with a grade of "C" or better.

This course is designed to enable the student to use bibliographic utilities for copy cataloging, to apply machine readable catalog (MARC) coding to cataloging records, and to be able to process and maintain library materials.

Lecture Hours: 2 Laboratory Hours: 2

LIB 200 3 HRS. (OC)

INTRODUCTION TO CHILDREN'S/YOUTH SERVICES IN LIBRARIES

This course introduces students to the types of youth services offered in public and school libraries for children from birth through 12th grade. The course will examine the skill sets needed for planning, executing, and analyzing youth services in light of current practices and challenges. Topics include programming, censorship, reader's advisory, reference, storytelling, and the role of the Library Technical Assistant.

Lecture Hours: 3 Laboratory Hours: 0

LIB 210 3 HRS. (OC)

INTRODUCTION TO REFERENCE AND INFORMATION SERVICES

This course teaches the basic tools needed to answer directional and ready reference questions, the criteria for source evaluation, and the methods of use for basic information sources, both print and electronic. Topics covered include reference interviewing, search strategy, choice of source material, Boolean searching, and Internet browsers. Print and electronic resources, reference interview techniques and virtual reference services are also discussed. To prepare for employment, students gain experience in using these materials to answer reference questions.

Lecture Hours: 2 Laboratory Hours: 2

LIB 216 3 HRS. (OC)

INTRODUCTION TO COLLECTION DEVELOPMENT

This course is designed to introduce the student to library collection development, focusing on the acquisition of materials, both book and non-book. Topics covered include bibliographic search tools, ordering, receiving and accounting procedures, selection policy, policy development, copyright, and automated acquisitions.

Lecture Hours: 3 Laboratory Hours: 0

LIB 222 1 HR. (OC)

SPECIAL TOPICS FOR LIBRARY TECHNICAL ASSISTANTS

This course will cover various issues of concern to Library Technical Assistants. The content of these courses will cover a variety of topics in-depth. This course is repeatable if the topic and content are different. Special topics that will be taught include: (1) introduction to multi-type libraries (health, law, business, and school libraries), (2) library management (covering fundraising, marketing, e-rate, budgeting, scheduling, supervising, hiring and firing staff, and building maintenance), (3) special collections and archives (topics discussed would include managing special collections, working with archival materials, preservation of materials, and book repair), and (4) electronic resource management (the management of electronic resources, selection and de-selection of materials, dealing with vendors, maintaining statistics, and record keeping). This course is repeatable up to three times.

Lecture Hours: 1 - 3 Laboratory Hours: 0

LIB 225 3 HRS. (OC)

ELECTRONIC RESOURCES AND ONLINE SEARCHING

This course introduces students to essential electronic information sources (library catalogs, digital libraries, academic or gated databases, government resources, and the Internet) used in a variety of library environments, along with the online searching skills needed for effective use. The course emphasizes hands-on training with resources, Boolean logic and other search strategies, copyright issues regarding digital information, retrieving, evaluating and citing information.

Lecture Hours: 3 Laboratory Hours: 0

LIB 231 3 HRS. (OC)

SERVING THE PUBLIC IN TODAY'S LIBRARIES

Emphasizes the role of Library Technical Assistants (LTA) in serving the public. Topics include programming, creating displays, basic circulation desk duties, security, shelf-maintenance, interlibrary loan activities, registering and effective interactions with patrons. Automated and online systems are emphasized.

Lecture Hours: 3 Laboratory Hours: 0

LIB 250**1 HR. (OC)****LIBRARY PRACTICUM**

Prerequisite: Completion of required Library Technology courses or department approval. This course provides supervised work experience in a public, academic, special or school library. Emphasis is on applying knowledge gained in course work to practical on-the-job situations. The student has training in various aspects of librarianship in order to increase knowledge and practical experience.

Lecture Hours: 0 Laboratory Hours: 5 - 15

Literature**LIT 110****3 HRS. (TC)****INTRODUCTION TO LITERATURE (H3 900)**

Prerequisite: Approved reading placement score, or equivalent. This course, which offers the study and discussion of fiction, poetry, and drama, is designed to enhance the student's ability to read literature analytically with keener understanding and heightened appreciation of content and form.

Lecture Hours: 3 Laboratory Hours: 0

LIT 111**3 HRS. (TC)****THE SHORT STORY AND THE NOVEL (H3 901)**

Prerequisite: Approved reading placement score, or equivalent. This course of extensive reading in prose fiction is designed to enhance the student's ability to read the short story and the novel analytically with keener understanding and heightened appreciation of content and form.

Lecture Hours: 3 Laboratory Hours: 0

LIT 115**3 HRS. (TC)****MYTHOLOGY (H9 901)**

Prerequisite: Approved reading placement score, or equivalent. This course is designed to acquaint the student with the origin and development of classical myths that have greatly influenced modern culture.

Lecture Hours: 3 Laboratory Hours: 0

LIT 117**3 HRS. (TC)****INTRODUCTION TO POETRY (H3 903)**

Prerequisite: Approved reading placement score, or equivalent. This course introduces the student to poetry in English, the variety of its forms and themes, and methods of interpretation.

Lecture Hours: 3 Laboratory Hours: 0

LIT 119**3 HRS. (TC)****WOMEN'S LITERATURE**

Prerequisite: Approved reading placement score, or equivalent. This course introduces the student to literature written by women, exploring its themes and literary/cultural contexts.

Lecture Hours: 3 Laboratory Hours: 0

LIT 120**3 HRS. (TC)****THE BIBLE AS LITERATURE (H5 901)**

Prerequisite: Approved reading placement score, or equivalent. This course includes extensive reading of major sections of the Bible. It is designed to enable the student to read the Bible as a literary work, understand some of its major stories, themes, and genres, and become more aware of the significance of Biblical allusions in other works of literature and art.

Lecture Hours: 3 Laboratory Hours: 0

LIT 122**3 HRS. (TC)****LITERATURE OF ETHNIC AMERICA (H3 910D)**

Prerequisite: Approved reading placement score, or equivalent. This introductory course provides a literary and cultural view of traditions of some major racial and cultural minority groups. The student will develop an understanding of experiences relevant to minority writings. As a significant part of the American cultural and literal heritage, there are some significant eras that reinforce the themes, style, forms, and attitudes presented by minority writers.

Lecture Hours: 3 Laboratory Hours: 0

LIT 124**3 HRS. (TC)****NON-WESTERN LITERATURE (H3 908N)**

Prerequisite: Approved reading placement score, or equivalent. This course of extensive reading in literature is designed to enhance the student's ability to read and analyze representative masterpieces from a variety of nationalities and epochs. Course introduces students to literature in English or in English translation by writers from non-Western cultures such as Asian, South Asian, African, Caribbean, Middle-Eastern, Pacific Islander, or Latin American. Content includes social, historical, and cultural contexts of literary works; relationship of these writers to literary traditions; terminology and methods of literary analysis and evaluation.

Lecture Hours: 3 Laboratory Hours: 0

LIT 212**3 HRS. (TC)****BRITISH LITERATURE: BEGINNINGS TO 1800 (H3 912)**

Prerequisite: Approved reading placement score, or equivalent. This course is a survey of representative works illustrating the development of British literature from its beginnings to 1800, with an emphasis on understanding major literary movements in relation to their intellectual, social, and political contexts.

Lecture Hours: 3 Laboratory Hours: 0

LIT 213**3 HRS. (TC)****BRITISH LITERATURE: 1800 TO THE PRESENT (H3 913)**

Prerequisite: Approved reading placement score, or equivalent. This course is a survey of representative works illustrating the development of British literature from 1800 to the present, with an emphasis on understanding major literary movements in relation to their intellectual, social, and political contexts.

Lecture Hours: 3 Laboratory Hours: 0

LIT 214**3 HRS. (TC)****SHAKESPEARE (H3 905)**

Prerequisite: Approved reading placement score, or equivalent or ENGL 110 with a grade of "C" or better. This course examines a number of Shakespeare's plays intensively as illustrations of different phases of his work.

Lecture Hours: 3 Laboratory Hours: 0

LIT 215**3 HRS. (TC)****AMERICAN LITERATURE: BEGINNINGS TO 1865 (H3 914)**

Prerequisite: Approved reading placement score, or equivalent. This course examines American literature from its beginnings to 1865.

Lecture Hours: 3 Laboratory Hours: 0

LIT 216**3 HRS. (TC)****AMERICAN LITERATURE: 1865 TO THE PRESENT (H3 915)**

Prerequisite: Approved reading placement score, or equivalent. This course examines American literature from 1865 to the present.

Lecture Hours: 3 Laboratory Hours: 0

Machine Trades

MACTR 110 3 HRS. (OC) PRINT READING - MECHANICAL

This course is designed to familiarize the student with mechanical blueprint reading through the study of print content and how it drives the selection of manufacturing processes and materials. Drawings studied include: orthographic projection, sections, auxiliary views, sub- and assembly-prints. Emphasis is placed on learning the processing requirements necessary to attain part-function and tolerances specified. Problems which will enable students to develop an understanding of commonly accepted industrial, design, and machining standards and practices will be assigned.
Lecture Hours: 3 Laboratory Hours: 0

MACTR 121 3 HRS. (OC) MACHINE TOOL OPERATION I

This course emphasizes safety in construction and correct handling of hand tools, layout tools, some precision and limited precision layout tools. The student is introduced to machine nomenclature and basic tool changes and set-up. The student is required to make projects by following an operation sheet with detailed information outlining set-up, performance of operations, speeds, feeds and tool changes.
Lecture Hours: 1 Laboratory Hours: 4

MACTR 122 3 HRS. (OC) MACHINE TOOL OPERATION II

Prerequisite: MACTR 121 with a grade of "C" or better or department approval. This course is designed to further experience the use of machine tools. The student is introduced to precision tools and the use of attachments. Selected projects help develop proficiency on machine tools while maintaining close tolerance and achieving specified surface finishes.
Lecture Hours: 1 Laboratory Hours: 4

MACTR 123 2 HRS. (OC) MACHINE TOOL OPERATION III

Prerequisite: MACTR 122 with a "C" or better or department approval. This course will instruct the student in the safe and correct use of specialized operations dealing with making machine parts requiring assembly and use of fixtures. The student will make temporary fixtures and select feeds, speed, tools, and operations for efficient machining.
Lecture Hours: 1 Laboratory Hours: 3

MACTR 124 2 HRS. (OC) SPECIAL MACHINING SKILLS

Prerequisite: MACTR 123 with a grade "C" or better or departmental approval. This course is designed to develop the ability to make projects requiring a high degree of skill in manual machining. The student is required to demonstrate proficiency in selecting and performing appropriate processes that would efficiently produce close tolerance tooling, jigs and fixtures.
Lecture Hours: 1 Laboratory Hours: 3

MACTR 221 1 HR. (OC) MACHINING INTERNSHIP

Prerequisite: Completion of MACTR 122 and NCTK 212 with a grade of "C" or better. This internship course is a cooperative project between the College and potential apprentice employers and is designed to provide industrial experience in the fields of precision machining, die making, or mold making. The student will be assigned a wide range of related on-the-job machining experiences with a local metalworking manufacturing firm.
Lecture Hours: 0 Laboratory Hours: 8

Management

MGMT 113 3 HRS. (TC) PRINCIPLES OF MANAGEMENT

This introductory management course is designed to acquaint and orient students as to the role of the various levels of management in public- and private-sector organizations. Emphasis is placed on the management functions of planning, organizing, leading, and controlling. Principles of successful management practice are explored.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 114 3 HRS. (OC) PRINCIPLES OF SUPERVISION

If there is one constant in today's business world, it is change. Wholesale changes in technologies, in organizational and competitive structure, in the social, economic, and political environments--all seem to be accelerating more rapidly than before. To operate successfully in this changing environment, organizations need supervisors with the managerial skills and creativity to turn uncertainty into opportunity. This class will equip students with the skills they need to succeed as supervisors in the present and future business world. While learning important supervisory management concepts, they will also learn how to be supervisors--how to apply the principles of supervision in the real world.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 203 3 HRS. (OC) SALES MANAGEMENT

This course is a study of the functions of management to the sales operations of companies. Emphasis is on the sales management areas of planning, organizing, communicating, staffing, training, and evaluation.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 205 3 HRS. (OC) HUMAN RESOURCE MANAGEMENT

This course covers the functions of the human resources department, which is responsible for job design, recruitment, selection, training, evaluation, motivation, labor relations, compensation, and safety. The impact of environmental factors on human resource management is covered. Emphasis is placed on EEO/AA, OSHA, and NLRB rules and regulations as well as social and economic factors.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 211 3 HRS. (OC) MANAGING THE SUPPLY CHAIN

This course is a study of fundamental concepts involved in purchase of materials, supplies, and equipment. Emphasis is placed on basic procurement principles, processes, and problems in industrial, governmental, and institutional organizations.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 213 3 HRS. (OC) MANAGEMENT CASES AND PROBLEMS

Prerequisite: MGMT 113 with a grade of "C" or better. This course will deal with potential solutions to problems faced by three levels of management in various types of organizations. The use of the Scientific Method in such problem solving will be evident in analyzing various cases and incidents. Special projects will enhance the student's knowledge of how to perform effectively as a manager.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 214 3 HRS. (OC)**MANAGING TECHNOLOGY**

This course will provide introductory instruction in the management of the selection of technology and technological services for business enterprises. Topics include planning for the integration and effective use of technology to enhance business efficiency and services, selecting and working with vendors, maximizing electronic commerce systems, managing outsourced projects, and avoiding common pitfalls when choosing technology.

Lecture Hours: 3 Laboratory Hours: 0

MGMT 215 3 HRS. (OC)**OFFICE MANAGEMENT**

This course will study the basic management concepts and problems encountered in administration of an office. Emphasis is placed on developing basic concepts, managing a culturally diverse workforce, and managing and controlling administrative services. Human relations, business information processing systems, including state-of-the-art equipment, records management, ergonomics, office space utilization, problem solving, and improving office systems and productivity are a part of the course.

Lecture Hours: 3 Laboratory Hours: 0

MGMT 216 3 HRS. (OC)**SMALL BUSINESS MANAGEMENT**

Prerequisite: ACCTG 101, ACCTG 105, or ACCTG 120, any with a grade of "C" or better, or department approval. This course emphasizes aspects of management uniquely important to small firms. This course is intended to give the student practice in decision making on the same type of problems that small business owners face as they make decisions. Various realistic examples from small businesses are used to illustrate and emphasize basic management concepts.

Lecture Hours: 3 Laboratory Hours: 0

MGMT 260 3 HRS. (OC)**MANAGEMENT INTERNSHIP**

Prerequisite: Admission to the Business Management Program, department approval, and the completion of twelve semester hours of business or business-related program courses. This course involves student trainees who are employed at an approved training station with a program of training scheduled by joint agreement of the student, the supervisor, and program coordinator. Special assignments, including in-house projects, case studies and/or supplementary reports, are required.

Lecture Hours: 1 Laboratory Hours: 15

Marketing**MKTG 112 3 HRS. (TC)****PRINCIPLES OF MARKETING**

This course studies the business activities involved in planning, pricing, promoting, and distributing want-satisfying goods and services to present and potential customers.

Lecture Hours: 3 Laboratory Hours: 0

MKTG 115 3 HRS. (OC)**RETAILING**

This course is a study of topics which include: development and present status of the retailing structure, analysis of major store functions, buying, selling, advertising, sales promotion, store operation activities, accounting control, and employment opportunities.

Lecture Hours: 3 Laboratory Hours: 0

MKTG 200 3 HRS. (OC)**ADVERTISING**

This course will study all forms of paid, nonpersonal communication by which an advertiser presents and promotes ideas, goods, and services. The course will include coverage of the economic and social role of advertising, customer research, selection of advertising appeals, media decisions, the creative process, evaluative research, and retail advertising.

Lecture Hours: 3 Laboratory Hours: 0

MKTG 201 3 HRS. (OC)**SALES**

This course presents basic principles underlying the sales process. The basic philosophy is to promote understanding of the salesperson's obligation to self, the company, the customer, and society.

Lecture Hours: 3 Laboratory Hours: 0

MKTG 202 3 HRS. (OC)**CONSUMER MARKETING**

Prerequisite: MKTG 112 with a grade of "C" or better. This course provides a comprehensive understanding of consumer buying behavior that guides marketing management decisions. The focus of the course will be directed toward the application of principles, concepts, and activities that influence buying transactions and generate consumer satisfaction.

Lecture Hours: 3 Laboratory Hours: 0

MKTG 207 3 HRS. (OC)**EVENT PLANNING**

This course presents the basic principles underlying event planning. Topics covered include: professional meeting management, including conventions, trade shows, special event planning, meeting planners, meeting sponsors, meeting suppliers/facilities, and meeting service providers.

Lecture Hours: 3 Laboratory Hours: 0

MKTG 260 3 HRS. (OC)**MARKETING INTERNSHIP**

Prerequisite: Admission to the Marketing Program and department approval, and the completion of twelve semester hours of business or business-related program courses.

This course involves student trainees who are employed at an approved training station with a program of training scheduled by joint agreement of the student, supervisor, and program coordinator. Special assignments including in-house projects, case studies, and/or supplementary reports are required. This course may be repeated two times.

Lecture Hours: 1 Laboratory Hours: 15

Mass Communication**MCOMM 110 3 HRS. (TC)****INTRODUCTION TO MASS MEDIA (MC 911)**

This course is an overview of the nature of mass communication and the characteristics, functions and impact of the multiple forms of mass media.

Lecture Hours: 3 Laboratory Hours: 0

MCOMM 113 3 HRS. (TC)**INTRODUCTION TO RADIO, TV, AND EMERGING MEDIA (MC 914)**

A survey of the radio and television industries and the integration of electronic media with the Internet and digital media.

Lecture Hours: 3 Laboratory Hours: 0

MCOMM 140 3 HRS. (TC)**SPORTS MEDIA AND SOCIETY**

This course is not a forum for exchanging the latest scores or talking about last night's big game, rather it is a course to develop critical-thinking skills about the sports media and its role in American society.

Lecture Hours: 3 Laboratory Hours: 0

MCOMM 160 1 HR. (TC)
MASS COMMUNICATION INTERNSHIP I
 Prerequisite: Department approval. This course is designed to provide the student with an on-site educational work experience. The student will work an arranged number of hours per week at a radio or TV station or other appropriate location under the supervision of a mass communication professional. At least five work hours per week per credit hour received or equivalent (summer) plus weekly meetings with a college supervising professor.
 Lecture Hours: 0 Laboratory Hours: 5 – 15

MCOMM 214 3 HRS. (TC)
TV AND MOTION PICTURE PRODUCTION
 Prerequisite: MCOMM 110 with a grade of "C" or better or MCOMM 113 with a grade of "C" or better. This course is a "hands-on" introduction to the creative, technical and collaborative process of making television programming, films and corporate video.
 Lecture Hours: 2 Laboratory Hours: 3

MCOMM 215 3 HRS. (TC)
MEDIA PERFORMANCE (MC 918)
 In this course, students develop and apply proper communication skills and techniques for performing on radio, television, podcasts or other audio/visual media.
 Lecture Hours: 2 Laboratory Hours: 3

MCOMM 217 3 HRS. (TC)
AUDIO PRODUCTION
 Prerequisite: MCOMM 110, MCOMM 113 or MM 140 or department approval. This course is an introduction to audio recording and production techniques for broadcast, multimedia, Internet and motion picture applications.
 Lecture Hours: 2 Laboratory Hours: 3

MCOMM 220 3 HRS. (TC)
SCRIPTWRITING
 Prerequisite: Approved reading placement score, or equivalent and MCOMM 110 or MCOMM 113 or department approval. This course is an introduction to the principles and practices of writing for television, radio, film, and audio/video Internet content. Students will learn how to write properly-formatted and effective scripts for commercials, drama, comedy, news and documentaries.
 Lecture Hours: 3 Laboratory Hours: 0

MCOMM 224 3 HRS. (TC)
HISTORY OF MOTION PICTURES (F2 909)
 Prerequisite: Approved reading placement score, or equivalent. A survey of the historical development of film as an international mass communication medium and the films, filmmakers, and production innovations that have influenced filmmaking as an art form.
 Lecture Hours: 3 Laboratory Hours: 0

MCOMM 230 3 HRS. (TC)
ONLINE MEDIA PROMOTION FOR CREATIVE ARTISTS
 An introduction to the skills, techniques, and practices utilized by creative artists to promote and distribute their work via online media. Student musicians, writers, filmmakers, photographers, designers, producers, publishers, and visual artists will learn the effective use of various social media channels, and how to use blogging, video, podcasting, and other media channels to engage an audience. By the end of the course, students will either establish or refine a web platform that serves as the hub for their professional online presence.
 Lecture Hours: 2 Laboratory Hours: 2

MCOMM 260 1 HR. (TC)
MASS COMMUNICATION INTERNSHIP II
 Prerequisite: MCOMM 160 with a grade of "C" or better. This course is designed for students wishing to gain on-site educational work experience. The student will work an arranged number of hours per week at a radio or TV station or other appropriate location under the supervision of a mass communication professional.
 Lecture Hours: 0 Laboratory Hours: 5 - 15

Massage Therapy

TM 100 0.5 HRS. (OC)
INTRODUCTION TO MASSAGE THERAPY
 This course is designed to introduce students to the massage therapy profession and the role of the massage therapist as a member of a team of health care providers. Basic principles and techniques of massage therapy will be presented, and basic massage therapy strokes will be presented and practiced.
 Lecture Hours: 0.5 Laboratory Hours: 0

TM 110 1 HR. (OC)
INTRODUCTION TO MASSAGE THERAPY AND BODYWORK
 This course is designed to introduce students to the profession of massage therapy. An introduction to the basic principles and techniques of massage therapy will be presented. Basic Swedish Massage therapy strokes will be demonstrated and practiced as well as draping and use of oils and lotions.
 Lecture Hours: 1 Laboratory Hours: 0.5

TM 111 2 HRS. (OC)
FUNDAMENTAL MASSAGE TECHNIQUES
 Prerequisite: Admission to Massage Therapy Program, successful completion of TM 100 with an "S" and BIOL 140 with a grade of "C" or better. This course is a presentation of classic Swedish Massage to relax the musculature as well as increase the blood and lymphatic flow throughout the body. Basic traditional massage techniques, good posture, table mechanics, touch and pressure sensitivity, as well as professional conduct for the massage therapist are discussed and practiced. Course content is integrated and concepts applied with hands-on laboratory experiences to include practicing massage techniques on classmates. The history of massage, benefits, contraindications, and therapist self-care issues will be discussed.
 Lecture Hours: 1 Laboratory Hours: 3

TM 112 3 HRS. (OC)
APPLIED ANATOMY AND PHYSIOLOGY FOR THE BODYWORKER
 Prerequisite: Admission to Massage Therapy Program, successful completion of TM 100 with an "S" and BIOL 140 with a grade of "C" or better. This course thoroughly examines muscles (origin, insertion, and action), bones, nerves, and functions of the musculoskeletal systems as it relates to massage therapy. In addition, emphasis is placed on studying and analyzing the structure, function and physiology of all systems within the human body. Course content is integrated and concepts applied with hands-on laboratory experiences, including use of low fidelity models or manikins.
 Lecture Hours: 2 Laboratory Hours: 3

TM 113 2.5 HRS. (OC)
PROFESSIONAL ISSUES FOR THE BODYWORKER
 Prerequisite: Admission to Massage Therapy Program, successful completion of TM 100 with an "S" and BIOL 140 with a grade of "C" or better. This course focuses on national, state and local standards for the professional practice of a massage therapist, when providing service to clients and collaborating with other health care practitioners or providers in meeting needs for clientele. Additionally, this course provides an introduction to business operations of a massage therapy practice, including being employed within a healthcare organization or medical practice, as an independent contractor, or a small business owner.
 Lecture Hours: 2.5 Laboratory Hours: 0

TM 114 **2.5 HRS. (OC)**
PATHOLOGY, DOCUMENTATION, AND TERMINOLOGY
FOR THE BODYWORKER

Prerequisite: Admission to Massage Therapy Program, successful completion of TM 100 with an "S" and BIOL 140 with a grade of "C" or better. In this course students will review physiologic and pathological conditions commonly presented by clients and confronted by massage therapists. In addition, students will learn medical terminology by which to recognize conditions, carefully evaluate and accurately document client health history.

Lecture Hours: 2.5 Laboratory Hours: 0

TM 115 **2 HRS. (OC)**
CONCEPTS OF HOLISTIC HEALTH

Prerequisite: Admission to Massage Therapy Program, successful completion of TM 100 with an "S" and BIOL 140 with a grade of "C" or better. This course is a study of the art and science of healing that addresses the whole person: body, mind and spirit. The many facets of health and wellness and their relationship to massage therapy and the massage therapist are explored. Stress management and core strengthening for the massage therapist is emphasized. Integrating conventional and complementary therapies to promote optimal health and to prevent and treat disease will be introduced.

Lecture Hours: 1.5 Laboratory Hours: 1.5

TM 120 **1 HR. (OC)**
PROFESSIONAL DEVELOPMENT FOR MASSAGE THERAPISTS

Prerequisite: Completion of TM 111 and TM 112 with a "C" or better. This course requires the massage student to engage extensively in critical thinking, safety, assessment, and documentation. In an outreach setting, supervised by faculty, students will apply the massage principles, demonstrate technique and skills, and adhere to procedures for massage professionals, while independently massaging clients and massage professionals within the community. Additionally, the students will demonstrate their knowledge while engaging in practice exams, to better prepare for the state licensing exam.

Lecture Hours: 0 Laboratory Hours: 3

TM 121 **2.5 HRS. (OC)**
ADDRESSING THE MUSCLE

Prerequisite: Completion of TM 111 and TM 112 with a grade of "C" or better. This course reviews the specific therapeutic massage techniques incorporated in accessing the deep layers via manual manipulation, including mobilization, stretching, and hydrotherapy. Course content is integrated and concepts applied with hands-on laboratory experiences to include practicing and demonstrating massage techniques on classmates.

Lecture Hours: 1.5 Laboratory Hours: 3.0

TM 123 **2 HRS. (OC)**
MASSAGE THERAPY TECHNIQUES, VARIATIONS,
AND APPLICATIONS

Prerequisite: Completion of TM 111 and TM 112 with a grade of "C" or better. This course teaches students to apply massage technique variations including muscle/soft tissue manipulation, meridian points, and/or energy work. Course content is integrated and concepts applied with hands-on laboratory experiences to include practicing and demonstrating massage techniques on classmates.

Lecture Hours: 1 Laboratory Hours: 2

TM 125 **3 HRS. (OC)**
APPLIED KINESIOLOGY FOR THE BODYWORKER

Prerequisite: TM 111 and TM 112 with a grade of "C" or better. This course is designed to give students a basic knowledge of movement and the interrelationship of the neurological, muscular, and skeletal systems. Through both lecture and laboratory experiences, students will learn the skills of manual muscle testing as well as movement analysis. Course content is integrated and concepts applied with hands-on laboratory experiences to include practicing and demonstrating techniques on classmates.

Lecture Hours: 2.5 Laboratory Hours: 1.5

TM 127 **2 HRS. (OC)**
THERAPEUTIC MASSAGE CLINICAL

Prerequisite: TM 111 and TM 112 with a grade of "C" or better. This course applies the principles, techniques, and procedures practiced and learned in the classroom and lab to members of the community in a clinical setting. Under the direction of the clinical supervisor, students are expected to review client intake information to determine possible indications or contraindications for a massage; demonstrate professional behavior, abide by ethical and legal principles, use professional client/therapist communication skills, utilize proper draping techniques and implement safety and sanitary precautions while performing a therapeutic Swedish massage technique, and properly document the session in the client's record.

Lecture Hours: 0 Laboratory Hours: 6

TM 255 **1 HR. (OC)**
INDEPENDENT STUDY

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department. A final written report is also submitted to the faculty member by the student. This course is repeatable up to a total of 5.0 credit hours.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Mathematics

MATH 080 **2 HRS. (BEC)**
PREPARATION FOR CONCEPTS OF MATHEMATICS

Prerequisite: Concurrent enrollment in MATH 110 and appropriate math placement test score, or department approval. This course reviews the skills and knowledge needed to be successful in a college classroom while supporting success in MATH 110, Concepts in Mathematics. Topics include but are not limited to: simplifying algebraic expressions; converting between fractions, decimals, and percents; solving linear equations; evaluating algebraic expressions; using inductive reasoning; and performing complex calculations using the order of operations.

Lecture Hours: 2 Laboratory Hours: 0

MATH 081 **2 HRS. (BEC)**
PREPARATION FOR GENERAL EDUCATION STATISTICS

Prerequisite: Concurrent enrollment in Math 111 and a grade of "C" or higher in MATH 092 (or equivalent) or appropriate math placement test score, or department approval. This course reviews the skills and knowledge needed to be successful in a college classroom while supporting success in Math 111, General Education Statistics. Topics include real numbers, linear equations and inequalities, exponents, and graphing. Emphasis will be placed on modeling and problem solving, with techniques and manipulations covered in context with General Education Statistics.

Lecture Hours: 2 Laboratory Hours: 0

MATH 085 **2 HRS. (BEC)**
COREQUISITE FOR COLLEGE ALGEBRA

Prerequisite: Concurrent enrollment in MATH 115 and appropriate math placement test score, or department approval. This course reviews the skills and knowledge needed to be successful in a college classroom while supporting success in MATH 115 College Algebra. Topics covered will support students in their study of polynomial, rational, exponential, and logarithmic functions; relations; inverses; systems of equations and inequalities; and theory of equations.

Lecture Hours: 2 Laboratory Hours: 0

**MATH 092
PRE ALGEBRA****3 HRS. (BEC)**

Prerequisite: Placement into MATH 092 is according to placement test scores or on a voluntary basis. This course (formerly Introduction to Mathematics) is designed for students who need to review basic arithmetic and prealgebra skills before taking Elementary Algebra (MATH 094 - formerly MAT 104 and also MAT 094). Topics include basic operations and applications of whole numbers, fractions, decimals, signed numbers and an introduction to algebra. As calculators are not permitted in MATH 092 except for enrichment purposes, students must be able to add, subtract, multiply and divide without the aid of a calculator. Students who have completed one year of high school algebra should consider enrolling in Elementary Algebra.

Lecture Hours: 3 Laboratory Hours: 0

**MATH 094
ELEMENTARY ALGEBRA****5 HRS. (BEC)**

Prerequisite: Placement into MATH 094 is according to placement test scores or on a voluntary basis. This course is specifically designed for the student with less than one year of credit in high school algebra or for the student who needs a review of elementary algebra. It is considered equivalent to the standard first-year course in algebra. Topics include real numbers, linear equations and inequalities, systems of equations, exponents, polynomials, factoring, quadratic equations, and rational expressions and equations. It is recommended that students take the math placement test before registering for any math course.

Lecture Hours: 5 Laboratory Hours: 0

**MATH 095
ELEMENTARY GEOMETRY****3 HRS. (BEC)**

Prerequisite: MATH 094 with a grade of "C" or better or concurrent enrollment; or an appropriate score on the math placement test or one year of high school algebra. This course is designed for the student with less than one year of credit in high school geometry or for the student who desires a review of elementary geometry. The basic concepts of the standard first-year course in geometry are covered.

Lecture Hours: 3 - 3 Laboratory Hours: 0

**MATH 097
ELEMENTARY ALGEBRA REVIEW****2 HRS. (BEC)**

Prerequisite: Appropriate math placement score or one year of high school algebra (or equivalent) or department approval. This course is specifically designed for the student with one or more years of credit in high school algebra who needs a brief review of elementary algebra. Students who need more than a brief review should enroll in MATH 094. Topics include real numbers, linear equations and inequalities, systems of equations, exponents, polynomials, factoring, quadratic equations, and rational expressions and equations.

Lecture Hours: 2 Laboratory Hours: 0

**MATH 098
INTERMEDIATE ALGEBRA****3 HRS. (BEC)**

Prerequisite: MATH 094 or MATH 097 with a grade of "C" or better or an appropriate score on the math placement test.

This course includes work in linear and quadratic equations, systems of equations, exponents, radicals, functional relationships, and logarithms. It also includes work in graphing linear, quadratic, square root, cubic, exponential, and logarithmic functions. The course is designed for students who have had a minimum of one year of high school algebra or those needing a review of second-year high school algebra.

Lecture Hours: 3 Laboratory Hours: 0

**MATH 099
MATHEMATICAL LITERACY****5 HRS. (BEC)**

Prerequisite: A grade of "C" or higher in MATH 092 (or equivalent) or appropriate math placement test score, or department approval. This course is a one semester course for non-math and non-science majors integrating numeracy, proportional reasoning, algebraic reasoning, and functions. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. Throughout the course, college success content will be integrated with mathematical topics. Credit earned does not count toward any degree, nor does it transfer. Upon successful completion of the course, students will be prepared to take MATH 110 or MATH 111. This course is not a prerequisite course for MATH 115.

Lecture Hours: 5 Laboratory Hours: 0

**MATH 106
APPLIED ALGEBRA, GEOMETRY AND TRIGONOMETRY****4 HRS. (OC)**

Prerequisite: MATH 094 or equivalent or appropriate math placement score.

This course presents the practical application of arithmetic, algebra, geometry, and trigonometry. Emphasis is placed on calculations, areas, volumes and weights, and special shop applications. Applying problem-solving techniques to industrial applications will be stressed.

Lecture Hours: 3 Laboratory Hours: 3

**MATH 110
CONCEPTS OF MATHEMATICS (M1 904)****3 HRS. (TC)**

Prerequisite: Approved reading placement score or equivalent, and MATH 098 or MATH 099 or completion of high school Algebra 2 or high school transitional math, any with a grade of "C" or better, or concurrent enrollment in MATH 080, or appropriate placement score. This course focuses on appreciation of mathematical reasoning, including the solving of real-life problems, rather than focusing on routine skills. Three topics that will be studied in depth will include counting techniques and probability, the mathematics of finance, and graph theory. Instructors will also choose at least one of the following topics to cover: geometry, logic and set theory, or statistics.

Lecture Hours: 3 Laboratory Hours: 0

**MATH 111
GENERAL EDUCATION STATISTICS (M1 902)****3 HRS. (TC)**

Prerequisite: (1.) Approved reading placement score, or equivalent, and (2.) MATH 098 or completion of high school Algebra 2 with a grade of "C" or better or MATH 099 with a grade of "C" or better or appropriate placement score or department approval. This course includes a study of frequency distribution, graphs (histograms, pie charts, etc.), measures of location (mean, median, mode, and percentile), measures of dispersion (variance, standard deviation), probability, estimating and predicting, normal distribution, binomial distribution, and correlation. This course will emphasize the quantitative portion of descriptive statistics -- gathering, analyzing, presenting and interpreting data.

Lecture Hours: 3 Laboratory Hours: 0

**MATH 115
COLLEGE ALGEBRA****4 HRS. (TC)**

Prerequisite: MATH 098 with a grade of "C" or better or an appropriate score on the math placement test. This course emphasizes both algebraic and graphical approaches to college algebra. Topics include functions, relations, and inverses with emphasis on polynomial, rational, exponential, and logarithmic functions; systems of equations and inequalities; and theory of equations.

Lecture Hours: 4 Laboratory Hours: 0

**MATH 120
COLLEGE TRIGONOMETRY****3 HRS. (TC)**

Prerequisite: MATH 095 and MATH 098 with a grade of "C" or better or equivalent. This course includes a study of the trigonometric functions and their graphs, radian measure, inverse trigonometric functions, solutions of triangles, trigonometric identities and equations, and roots of complex numbers.

Lecture Hours: 3 Laboratory Hours: 0

MATH 122**3 HRS. (TC)****DISCRETE MATHEMATICS I (M1 905 CS 915)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 115 with a grade of "C" or better or equivalent or department approval. Introduction to the mathematical foundations of discrete structures including the study of sets, relations and functions, counting and probability, recursion, graph theory, trees, logic and proof, Boolean algebra and logic gates, and finite state machines. Connections will be made between the mathematical theory and corresponding computer science applications.

Lecture Hours: 3 Laboratory Hours: 0

MATH 130**5 HRS. (OC)****TECHNICAL ALGEBRA AND TRIGONOMETRY**

Prerequisite: MATH 095 and MATH 098 with a grade of "C" or better, or MATH 106 with a grade of "C" or better, or two years of high school algebra, one year of high school geometry or an appropriate score on the math placement test. This course includes the topics: approaches to problem solving, dimensional analysis, the basic use of the calculator and computer, selected topics from college algebra, trigonometry, analytic geometry, and statistics. Included will be systems of equations, basic trigonometric functions, right triangle solutions, two dimensional vectors, common and natural logarithms, and basic conic sections. Scientific calculators and computer software are used.

Lecture Hours: 5 Laboratory Hours: 0

MATH 134**4 HRS. (TC)****FINITE MATH (M1 906)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 115 with a grade of "C" or better or equivalent. This course covers topics from college algebra with emphasis on systems of linear equations and inequalities, matrix theory, linear programming, probability, statistics, and mathematics of finance. Application problems are chosen from the fields of business and social science.

Lecture Hours: 4 Laboratory Hours: 0

MATH 135**4 HRS. (TC)****CALCULUS FOR BUSINESS AND SOCIAL SCIENCES (M1 900B)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 115 or higher, with a grade of "C" or better, or equivalent. This course covers the basic ideas of calculus including limits; differentiation of polynomial, rational, logarithmic, and exponential functions; partial derivatives and applications; maxima and minima of functions; and techniques of integration including substitution and integration by parts. Application problems are chosen from the fields of business and social science.

Lecture Hours: 4 Laboratory Hours: 0

MATH 137**3 HRS. (OC)****TECHNICAL CALCULUS**

Prerequisite: MATH 130 with a grade of "C" or better or equivalent. This course covers topics which include: functions, limits, derivatives, anti-derivatives, integrals, and applications of the definite integral. Emphasis is placed on the physical significance of the derivative and integral to enable the student to relate to the basic underlying mathematical principles.

Lecture Hours: 2 Laboratory Hours: 3

MATH 165**5 HRS. (TC)****PRECALCULUS**

Prerequisite: MATH 098 with a grade of C or better, or an appropriate score on the math placement test. NOTE: If a student has not previously completed a high school course in trigonometry, enrollment in the separate courses MATH 115 and MATH 120 is recommended. Students may not earn credit for both MATH 115/120 and MATH 165. This course is intended to provide a solid foundation in the skills of algebra and trigonometry that are required for success in elementary calculus. Algebraic topics will include: properties of functions and graphs that are commonly used in calculus, conic sections, solving equations and higher order systems of equations, and sequences and series. Trigonometry topics will include: numerical aspects, including Laws of Sines and Cosines; trigonometry identities and equation solving; powers and roots of complex numbers; and radian measure and conversion. This course will make use of current technology.

Lecture Hours: 5 Laboratory Hours: 0

MATH 190**3 HRS. (TC)****MATHEMATICAL REASONING FOR THE ELEMENTARY TEACHER I**

Prerequisite: MATH 095 with a grade of "C" or better and MATH 098 with a grade of "C" or better or appropriate math placement test scores or department approval. This course is designed to deepen mathematical understanding by providing opportunities to develop problem-solving and reasoning skills. In order to develop depth of understanding, the course concentrates on problems involving place value, whole numbers, decimals, fractions, ratios, and proportions. Note: Successful completion of MATH 115 or appropriate placement score is strongly recommended prior to enrollment in MATH 190 as it is a required prerequisite for the MATH 201 Mathematics for the Elementary Teacher II course.

Lecture Hours: 3 Laboratory Hours: 0

MATH 200**4 HRS. (TC)****MATHEMATICS FOR ELEMENTARY TEACHERS I**

Prerequisite: Approved reading placement score, or equivalent. MATH 095 with a grade of "C" or better and MATH 098 with a grade of "C" or better or appropriate math placement test scores for both courses or department approval. This course is designed to reinforce and strengthen the prospective elementary teacher's knowledge of the structure of the real number system and the mathematical operations that can be performed within that system. The purpose of this course is to also increase the student's knowledge and understanding of the mathematical content which is taught in elementary schools. Mathematical reasoning and problem solving are consistent themes throughout the course. Note: MATH 115 is strongly recommended as it is a required prerequisite for the MATH 201 Mathematics for the Elementary Teacher II course.

Lecture Hours: 4 Laboratory Hours: 0

MATH 201**3 HRS. (TC)****MATHEMATICS FOR ELEMENTARY TEACHERS II (M1 903)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 115 with a grade of "C" or better or appropriate math placement test score, and MATH 190 or MATH 200 with a grade of "C" or better or department approval. This course is designed to survey and to expand the mathematical concepts needed to teach a modern mathematical program in grades K-9 and prepare teachers and prospective teachers for future changes in mathematics curricula. The course includes a study of logic and problem-solving, graphing and analysis of relations, functions and statistical data, non-metric and informal geometry, estimating and measuring, the metric system, and use of calculating devices.

Lecture Hours: 2 Laboratory Hours: 2

MATH 211 4 HRS. (TC)**STATISTICAL ANALYSIS (M1 902)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 095 and MATH 115 with a grade of "C" or better or equivalent. This course includes the study of frequency distribution, measures of central tendency, probability, statistical decision-making, testing hypothesis, analysis of variance, estimating and predicting.

Lecture Hours: 3 Laboratory Hours: 2

MATH 222 5 HRS. (TC)**CALCULUS AND ANALYTIC GEOMETRY I (M1 9001 MTH 901)**

Prerequisite: Approved reading placement score, or equivalent; MATH 115 and MATH 120 with grades of "C" or better, or MATH 165 with a grade of "C" or better, or an appropriate score on the math placement test or equivalent. This is the first course of a three-semester sequence in Analytic Geometry and Calculus. The course includes the analytic geometry of lines and circles, limits and continuity of functions of one variable and an introduction to the derivative and the definite integral along with applications and the fundamental theorem of calculus.

Lecture Hours: 5 Laboratory Hours: 0

MATH 223 4 HRS. (TC)**CALCULUS AND ANALYTIC GEOMETRY II (M1 9002 MTH 902)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 222 with a grade of "C" or better or equivalent. This course is a continuation of MATH 222 and includes the analytic geometry of conic sections, the study of calculus as related to transcendental functions including trigonometric, logarithmic, exponential and hyperbolic functions and their inverses, techniques of integration, indeterminate forms, improper integrals, and infinite series and Taylor's theorem.

Lecture Hours: 4 Laboratory Hours: 0

MATH 224 4 HRS. (TC)**CALCULUS AND ANALYTIC GEOMETRY III (M1 9003 MTH 903)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 223 with a grade of "C" or better or equivalent. This course is a continuation of MATH 223 and includes parametric curves, vectors in two and three dimensions, vector valued functions, curves and surfaces in space, curvature, acceleration, quadric surfaces, functions of several variables, partial derivatives and applications, Lagrange multipliers, multiple integrals and integration with polar, cylindrical, and spherical coordinates.

Lecture Hours: 4 Laboratory Hours: 0

MATH 230 3 HRS. (TC)**LINEAR ALGEBRA**

Prerequisite: MATH 223 with a grade of "C" or better. This course is a study of finite dimensional vectors, matrices, linear equations, vector spaces and subspaces, linear transformations, determinants and appropriate applications.

Lecture Hours: 3 Laboratory Hours: 0

MATH 250 3 HRS. (TC)**DIFFERENTIAL EQUATIONS (MTH 912)**

Prerequisite: MATH 223 with a grade of "C" or better. This course includes first order (e.g., separable, linear, exact) with applications and simple higher order ordinary differential equations; linear independence and the Wronskian; linear differential equations with constant coefficients along with systems and applications; variation of parameters and undetermined coefficients; solution by means of Laplace transforms, solutions of partial differential equations, solution by power series and numerical methods. Prior knowledge of the basic concepts of physics is recommended.

Lecture Hours: 3 Laboratory Hours: 0

Mechanical Technology**MECTK 106 2 HRS. (OC)****BASIC DRAFTING**

This introductory course in drafting is for students who either did not have a previous drafting course or wish a review of previous work taken.

Lecture Hours: 1 Laboratory Hours: 3

MECTK 110 3 HRS. (OC)**INTRODUCTION TO THE TOOLS OF TECHNOLOGY**

This course introduces the student to the industrial fields of design and manufacturing and explores the communication and computing tools used by technologists working in these fields. The student will work as part of a team assigned to carry a project from design to production. The course will integrate computer applications with modern design and manufacturing theory. Computer applications including word processing, spreadsheets, database management, graphics, and problem solvers will be explored in classroom instruction and hands-on computer laboratory experiences. Students will explore the occupational field they have chosen and how it compares with other technical fields. Members of the technology faculty and guests from industry will interact with students and provide career guidance.

Lecture Hours: 2 Laboratory Hours: 4

MECTK 115 2 HRS. (OC)**PRINCIPLES OF DIMENSIONAL METROLOGY**

This theory and laboratory course is designed to develop dimensional measurement understanding and ability. Topics covered include the traditional concepts of mechanical contact measurement, the principles of standards, comparison measurement, piece-part features, calibration of instruments, and non-traditional techniques of non-contact measurement.

Lecture Hours: 1 Laboratory Hours: 3

MECTK 121 3 HRS. (OC)**INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD**

In this course, computer-aided drafting will be explored as students review basic principles of orthographic projection, pictorial views, sectioning and auxiliary views. Two-dimensional problems will be explored using AutoCAD software. Students will gain experience creating and editing graphic entities as they construct mechanical working drawings.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 123 3 HRS. (OC)**MECHANICAL DETAILING WITH AUTOCAD**

Prerequisite: MECTK 121 with a grade of "C" or better. This course builds on the computer-aided drafting concepts introduced in MECTK 121. The content will emphasize detailed dimensioning, assembly drawings, weldment drawings, tolerances and tolerance symbols. Students will be introduced to creating and editing part libraries, data extraction files and CAD menus as they construct mechanical working drawings.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 125 4 HRS. (OC)**3-D MODELING WITH PRO-ENGINEER**

Prerequisite: MECTK 121 with a grade of "C" or better or department approval. This course will provide mechanical design students with an introduction to 3-D parametric solid modeling, assemblies and drawings. Students will develop professional skills in approaching and solving these problems via the CAD workstation.

Lecture Hours: 2 Laboratory Hours: 4

MECTK 138 3 HRS. (OC)**MANUFACTURING PROCESSES I**

This course is designed to provide an understanding of the basic principles and practices used in traditional manufacturing. Topics covered include: producibility, automation and design principles; metal removal methods; and metal forming methods. Considerable emphasis is placed on creating process planning schedules. The role of the manufacturing engineer is covered, with emphasis on how the student selects the best manufacturing process to most economically perform the required series of manufacturing operations to produce quality parts.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 149 2 HRS. (OC)**BASIC POWER TRANSMISSION**

Prerequisite: MATH 094 with the grade of "C" or better. This course is the first of a three-course sequence. Basic Power Transmission provides the student with basic knowledge and hands-on experience of mechanical processes used by industry. Students will become proficient in mechanical areas including: precision measuring using micrometers and gage blocks, bolt identification and torque specifications, proper dial indicator use and thread repair procedures. Students will also be instructed in the proper and safe use of tools. The other two courses in this sequence are MECTK 150 and 151.

Lecture Hours: 1 Laboratory Hours: 3

MECTK 150 2 HRS. (OC)**MECHANICAL SYSTEMS I**

Prerequisite: MECTK 149 with a grade of "C" or better. This course is the second of a three-course sequence. Mechanical Systems I provides the student with basic knowledge and hands-on experience of mechanical systems used by industry. Students will become proficient in mechanical areas including: component and shaft alignment, bearings, v-belt and chain drives, couplings, and spur gears. Students will also be instructed in the proper and safe use of tools. The other two courses in this sequence are MECTK 149 and MECTK 151.

Lecture Hours: 1 Laboratory Hours: 3

MECTK 151 3 HRS. (OC)**MECHANICAL SYSTEMS II**

Prerequisite: MECTK 150 with a grade of "C" or better. This course introduces the student to proper methods of identifying, installing and maintaining; bearings, seals, clutches, brakes, machine ways, gibs and ball screws. It provides the student with the opportunity to rebuild equipment used in industry such as rotary tables, pneumatic pumps, lathe chucks, and conveyors. Emphasis is placed on incorporating the skills and knowledge gained in prerequisite courses with information about machine geometry and alignment to understand how components work together in a machine tool.

Lecture Hours: 1 Laboratory Hours: 4

MECTK 152 2 HRS. (OC)**INDUSTRIAL RIGGING**

Prerequisite: MATH 094 or appropriate math placement score. This course introduces the student to working within an industrial facility. Content includes topics on: chains and hoists, rigging, layout and fabrication, and machine setup. Structured laboratory experiences provide the maintenance mechanic student with industrial experiences. OSHA regulations will be reviewed and followed.

Lecture Hours: 1 Laboratory Hours: 3

MECTK 155 1 HR. (OC)**PIPING SYSTEMS**

This course was designed to introduce the student to lay out and fabricate piping systems. Students will learn the theory behind fluid systems including: air, water, oil, and steam. Students will research piping requirements, lay out the piping systems and then fabricate them.

Lecture Hours: 0.5 Laboratory Hours: 2

MECTK 201 3 HRS. (OC)**MECHANISMS**

Prerequisite: PHYS 112 with a grade of "C" or better and MATH 130 with a grade of "C" or better. This course is a study of existing mechanisms and their motion characteristics. The position, velocity, and acceleration of linkages, cams, gears, and gear trains are analyzed. Calculations are performed using graphical vector techniques in order to develop an understanding of the concepts. Computer software is then used to design, animate, and analyze complete machines.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 204 4 HRS. (OC)**STATICS AND STRENGTH OF MATERIALS**

Prerequisite: PHYS 112 with a grade of "C" or better. This course is an introduction to the analysis of 2-D (dimensional) force systems applied to static machine elements. Methods of calculating the stresses produced by the force systems are introduced. Emphasis is placed on the calculation of axial, bending, and torsional stresses and combinations of those stresses. The concept of principal stress is introduced. The laboratory is designed to supplement the classroom presentation and involves measuring forces and stresses with electronic instrumentation.

Lecture Hours: 3 Laboratory Hours: 3

MECTK 220 2 HRS. (OC)**ADVANCED CAD PROJECTS WITH PRO-ENGINEER**

Prerequisite: MECTK 123 and MECTK 125 both with a grade of "C" or better or department approval. This course provides the student with advanced 3-D CAD with problems in Pro-Engineer software. Topics include Variable section sweeps with graphs, trajectories, and formulas. Advanced rounds, Pro-program, and user defined features.

Lecture Hours: 1 Laboratory Hours: 3

MECTK 221 3 HRS. (OC)**MACHINE DESIGN I**

Prerequisite: Credit or concurrent enrollment in MECTK 204, PHYS 112 with a grade of "C" or better, and MATH 130 with a grade of "C" or better. This course includes various topics associated with the design process. Students will be introduced to design problem definition, research methods, and traditional and computer-aided evaluation methods. Students will learn to utilize engineering standards, manufacturer's catalogs, design manuals, application engineering software, and CAD (computer-aided design) systems as tools in the design process. The course stresses the design of a complete machine.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 222 3 HRS. (OC)**MACHINE DESIGN II**

Prerequisite: MECTK 221 with a grade of "C" or better, credit or concurrent enrollment in MECTK 204, credit or concurrent enrollment in PHYS 113, and MATH 130 with a grade of "C" or better. This course is a continuation of MECTK 204 in that it involves more complicated statics problems and stress calculations. The concept of principal stress is further developed. Principal stress directions are used to gain an insight into component failure analysis. The topic of fatigue design and theories of failure are introduced. The above concepts of stress analysis are applied to springs, drive shafts, gears, bearings, bolts, and welds. A realistic design project is carried out in the laboratory with emphasis on project management.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 226 3 HRS. (OC)**STATISTICS AND QUALITY CONTROL**

Prerequisite: MECTK 138 and MATH 106 both with a grade of "C" or better; or department approval. This course is designed to provide training in fundamentals basic to control and improvement of quality of materials, products, processes, services and systems. The principles of industrial statistics are applied to analysis of data, control of product and process and the evaluation of performance of men, materials, equipment and systems in meeting design specifications for products or services during production and end use.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 231 3 HRS. (OC)**INDUSTRIAL FLUID POWER**

Prerequisite: MATH 092 or higher, or appropriate math placement score or departmental approval. This course is a study of the basic components of hydraulic systems and how they are combined to build circuits for machine tools. Emphasis is on reading and understanding fluid power circuit diagrams. Component tear down is used to develop understanding of cylinder motor and pressure control devices. Laboratory exercises allow students to construct working hydraulic systems that require the proper selection of directional control valve center types, accumulators, check valves, pressure control valves, pilot operation and drain routing to function properly. Techniques used in pneumatic systems and mobile equipment are incorporated throughout the course.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 232 3 HRS. (OC)**MATERIALS SCIENCE AND PHYSICAL METALLURGY**

Prerequisite: MECTK 138 with a grade of "C" or better or MACTR 122 with a grade of "C" or better or department approval. This course is a study of basic chemical and physical principles determining the nature, behavior and treatments of materials for modification of structure and mechanical properties. Practice in applying laboratory methods is provided primarily as used for examination, treatment and evaluation of metals and alloys.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 238 3 HRS. (OC)**MANUFACTURING PROCESSES II**

Prerequisite: MECTK 138 with a grade of "C" or better. This course is a continuation of MECTK 138, including how processes are selected, what they can be expected to do, how they can be utilized most efficiently, and what is required to analyze and evaluate them. Topics covered include: metal working and forging; metal deposition; casting and molding; welding methods; heat-treatment; non-traditional machining; surface finishing and material selection. Considerable emphasis is placed on manual and computer-aided process planning.

Lecture Hours: 2 Laboratory Hours: 3

MECTK 252 3 HRS. (OC)**ADVANCED TROUBLESHOOTING**

Prerequisite: Successful completion of MECTK 231 with a "C" or better. This course was designed to bring the maintenance mechanic student into an environment parallel to industry. The student will work in a team for solving mechanical, hydraulic, and electrical systems and components found in industry. The maintenance mechanic student will troubleshoot a complete system.

Lecture Hours: 1 Laboratory Hours: 6

MECTK 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Medical Laboratory**MEDLB 125 8 HRS. (OC)****HISTOLOGY I: GENERAL TECHNIQUES**

Prerequisite: BIOL 140, CHEM 120, CHEM 122, and BIOL 210 or equivalent courses with a minimum G.P.A. of 2.00 and department approval. This course includes an orientation to the histology laboratory and the instrumentation. Focus is on preparation of routine stained tissue slides, including tissue histology, and techniques for tissue fixation, processing, microtomy, and staining. Lectures and supervised clinical practice in a histology laboratory are included.

Lecture Hours: 2 Laboratory Hours: 18

MEDLB 126 5 HRS. (OC)**HISTOLOGY II: SPECIAL STAINS**

Prerequisite: MEDLB 125 with a grade of "C" or better. This course builds on skills acquired in MEDLB 125, with focus on special staining techniques and improved competence in microtomy and preparation of finished slides. Basic immunology as applied to the theory of staining is studied. Lectures and supervised clinical practice in a histology laboratory are included.

Lecture Hours: 1 Laboratory Hours: 12

MEDLB 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Medical Laboratory Technology**MLT 100 0.5 HRS. (OC)****DETECTING MEDICAL LABORATORY SCIENCE**

This course is designed to introduce students to the medical laboratory profession and the role of the medical laboratory technicians and medical laboratory scientists. Basic responsibilities of the medical laboratory professionals and basic laboratory techniques used in a medical laboratory will be demonstrated and practiced.

Lecture Hours: 0.5 Laboratory Hours: 0

MLT 101 1 HR. (OC)**INTRO TO MEDICAL LABORATORY SCIENCE**

This course is an introduction to the medical laboratory science profession. It is an overview of the profession of medical technology, purposes and techniques of blood and body fluid analysis in the clinical laboratory, and the use of this scientific data in determination of an individual's health condition. Lectures and student laboratories are included.

Lecture Hours: 0.5 Laboratory Hours: 1

MLT 102 1 HR. (OC)**INTRODUCTION TO GENERAL MEDICAL LABORATORY TECHNIQUES**

This course is an introduction to the medical laboratory techniques which addresses basic techniques used in medical laboratories from using pipette, making dilutions, streaking plates for microorganism cultivation to phlebotomy. Various testing methods and testing procedures will be introduced. Lectures and student laboratories are included.

Lecture Hours: 0.5 Laboratory Hours: 1

MLT 110 2 HRS. (OC)**INTRODUCTION TO THE MEDICAL LABORATORY AND PHLEBOTOMY**

Prerequisite: Admission to the Medical Laboratory Technician Program, Phlebotomist Program, or department approval. This course is an introduction to the clinical laboratory: its functions, its personnel structure, and its relationship to the total healthcare system. Venipuncture techniques, micro puncture techniques, phlebotomy equipment, safe practices, and medico legal aspects are also studied.

Lecture Hours: 1 Laboratory Hours: 2

MLT 112 2 HRS. (OC)**PHLEBOTOMY CLINICAL PRACTICUM**

Prerequisite: MLT 110 with a grade of "C" or better, or concurrent enrollment; or department approval. This course is a phlebotomy clinical practicum consisting of supervised phlebotomy experiences in a local hospital. Venipunctures, micro punctures, safe techniques, interpersonal communication, ethics and professionalism will be practiced.

Lecture Hours: 0 Laboratory Hours: 6.5

MLT 115 3 HRS. (OC)**FUNDAMENTALS OF URINALYSIS AND BODY FLUIDS**

Prerequisite: Admission to Medical Laboratory Technician program or department approval. This course is an introduction to the study of urine and body fluids. Course studies urine formation including function and diseases of the kidney. Main focus is on detection of physical, chemical and microscopic properties of urine in normal and abnormal states. Content also includes discussion of miscellaneous fluid analysis, cerebrospinal fluid analysis, and fecal occult blood analysis. Additional practice on basic medical laboratory techniques will be emphasized.

Lecture Hours: 2 Laboratory Hours: 2

MLT 116 2 HRS. (OC)**FUNDAMENTALS OF IMMUNOLOGY AND SEROLOGY**

Prerequisite: Admission to the Medical Laboratory Technician program or department approval. This course is a study of the basic immunological principles to provide a general orientation to immunology. It will focus on antigen and antibody structures and how they relate to immune system disorders. Immunologic principles of laboratory diagnosis of human infectious diseases are emphasized. Lectures and student laboratories are included.

Lecture Hours: 1.5 Laboratory Hours: 1

MLT 210 3 HRS. (OC)**FUNDAMENTALS OF HEMATOLOGY AND HEMOSTASIS**

Prerequisite: MLT 115 and MLT 116 with a grade of "C" or better, or department approval. This course is a study of basic laboratory techniques in hematology and hemostasis. The course focuses on theories and principles of normal blood cell production. Identification of blood cells and their morphology along with the laboratory techniques used in cell counts and differentials are included in lectures and student laboratories. This course also discusses the four major systems of hemostasis and common disease states associated with these systems.

Lecture Hours: 1.5 Laboratory Hours: 3

MLT 214 2.5 HRS. (OC)**FUNDAMENTALS OF CLINICAL CHEMISTRY**

Prerequisite: MLT 115 and MLT 116 with a grade of "C" or better, or department approval. This course is an introduction to basic principles and practices of clinical chemistry. It will include automation, specimen handling, quality control, chemical mathematics, electrolytes, proteins, carbohydrates, enzymes, and trace elements. Lectures and student laboratories are included.

Lecture Hours: 2 Laboratory Hours: 1

MLT 216 4 HRS. (OC)**FUNDAMENTALS OF IMMUNOHEMATOLOGY**

Prerequisite: MLT 116 with a grade of "C" or better; or department approval. This course is a study of the fundamental principles and laboratory techniques of immunoematology, and their use in clinical practice. It will focus on antigen/antibody interaction in relation to transfusion and donor services, pre-analytical, analytical, and post-analytical risk management, and the role of the medical laboratory technician in providing effective transfusion services.

Lectures and student laboratories are included.

Lecture Hours: 2 Laboratory Hours: 4

MLT 218 3 HRS. (OC)**FUNDAMENTALS OF CLINICAL MICROBIOLOGY**

Prerequisite: MLT 115 and MLT 116 with a grade of "C" or better; or department approval. This course is an introduction to clinical microbiology which includes collection and handling of biological specimens and bacteria identification techniques. Commonly encountered bacteria will be covered. Lecture and student laboratories are included.

Lecture Hours: 1.5 Laboratory Hours: 3

MLT 220 2 HRS. (OC)**ADVANCED CLINICAL HEMATOLOGY**

Prerequisite: MLT 210 with a grade of "C" or better. This course focuses on disorders of blood cells including anemias, leukemias, and other white blood cell neoplasm. Lectures and student laboratories are included.

Lecture Hours: 1.5 Laboratory Hours: 1

MLT 222 4 HRS. (OC)**APPLIED CLINICAL EXPERIENCE I**

Prerequisite: Concurrent enrollment and completion of MLT 115, MLT 116, MLT 210, MLT 214, MLT 216 and MLT 218 with a grade of "C" or better on each course or department approval. This course is a clinical experience in the disciplines of phlebotomy, urinalysis, and basic testing procedures in immunoematology/blood banking, hematology, microbiology, chemistry, and immunology/serology.

Lecture Hours: 0 Laboratory Hours: 10

MLT 224 2 HRS. (OC)**ADVANCED CLINICAL CHEMISTRY**

Prerequisite: MLT 214 with a grade of "C" or better. This course is a continuation of MLT 214 with emphasis on pathophysiology and testing related to liver function, endocrine function, enzymes, toxicology testing, therapeutic drug monitoring, tumor markers, cardiac markers, and blood gases. Lectures and student laboratories are included.

Lecture Hours: 1.5 Laboratory Hours: 1

MLT 228 2.5 HRS. (OC)**ADVANCED CLINICAL MICROBIOLOGY**

Prerequisite: MLT 218 with a grade of "C" or better; or department approval. This course concentrates on the basics of acid fast organisms, parasites, and fungi, including their pathophysiology, epidemiology and associated diseases. Common diseases caused by microorganisms by anatomical sites will be discussed. Lecture and student laboratories are included.
Lecture Hours: 2 Laboratory Hours: 1

MLT 230 2 HRS. (OC)**PROFESSIONAL SEMINAR**

Prerequisite: MLT 218 and MLT 216 with a grade of "C" or better. This course is a review of all of the major disciplines of the clinical laboratory. Professional and ethical issues concerning the clinical laboratory technician are discussed. Lectures and student laboratories are included.
Lecture Hours: 1 Laboratory Hours: 3

MLT 232 5 HRS. (OC)**APPLIED CLINICAL EXPERIENCE II**

Prerequisite: Concurrent enrollment and completion of MLT 220, MLT 222, MLT 224, and MLT 228 with a grade of "C" or better. This course is a continuation of clinical experience to enhance technical skills along with clinical applications in the disciplines of phlebotomy, urinalysis, immunohematology/blood banking, hematology, microbiology, chemistry, and immunology/serology.
Lecture Hours: 0 Laboratory Hours: 12

Medical Office**MEDO 110 2 HRS. (OC)****MEDICAL ASSISTANT ADMINISTRATIVE SKILLS**

Prerequisite: Admission to the Medical Office Administrative Assistant and/or Medical Assistant Program and concurrently enrolled in MEDO 112. This course studies the medical office from a business-administrative standpoint including clerical functions, bookkeeping procedures, professional communications, legal and ethical concepts, operational functions related to safety and emergency procedures, and cultural diversity awareness.
Lecture Hours: 1 Laboratory Hours: 3

MEDO 111 4 HRS. (OC)**MEDICAL ASSISTANT CLINICAL PROCEDURES**

Prerequisite: Completion of BIOL 140, MEDO 110, HLTH 121, all with a grade of "C" or better. This course is an introduction to the clinical procedures commonly performed in health care settings which include medical asepsis and infection control, medical history and patient assessment, vital signs, assisting with the physical examination, surgical instruments and sterilization, assisting with minor office surgery, preparing and administering medications and maintaining their records, and other common diagnostic and therapeutic procedures. Lectures and applied experiences are included.
Lecture Hours: 2 Laboratory Hours: 6

MEDO 112 2 HRS. (OC)**MEDICAL OFFICE COMPUTER SKILLS**

Prerequisite: Admission to the Medical Assistant Program, Medical Office Administrative Assistant Program, Medical coder Program and/or department approval. This course emphasizes working with electronic medical records and procedural and diagnostic coding basics as applied to the medical office setting.
Lecture Hours: 1 Laboratory Hours: 3

MEDO 114 3 HRS. (OC)**CLINICAL LABORATORY SKILLS FOR MEDICAL ASSISTANTS**

Prerequisite: Admission to the Medical Assistant Program and concurrently enrolled in MLT 110, MEDO 111, COMM 110, HLTH 107. This course is designed to provide the student with the opportunity to perform basic medical laboratory tests that are performed in medical offices, to practice good techniques in laboratory procedures to apply to all tests, and to properly clean and maintain lab equipment.
Lecture Hours: 2 Laboratory Hours: 3

MEDO 115 3 HRS. (OC)**INTRODUCTION TO ICD-10-CM AND ICD-10-PCS CODING**

Prerequisite: HLTH 121 with a grade of "C" or better or department approval. This course is intended to introduce the student to the concepts of coding medical conditions and procedures. Through guided instruction and practical experience students will become familiar with an entry-level proficiency in the techniques of coding using the ICD-10-CM (International Classification of Diseases, 10th revision, Clinical Modification) and ICD-10-PCS (International Classification of Diseases, 10th revision, Procedure Coding System).
Lecture Hours: 3 Laboratory Hours: 0

MEDO 116 3 HRS. (OC)**INTRODUCTION TO ICD-9-CM CODING**

Prerequisite: HLTH 121 with a grade of "C" or better or department approval. This course is intended to introduce the student to the concepts of coding medical conditions and procedures. Through guided instruction and practical experience students will become familiar with an entry-level proficiency in the techniques of coding using the ICD-9-CM (International Classification of Diseases, 9th revision, Clinical Modification).
Lecture Hours: 3 Laboratory Hours: 0

MEDO 117 2 HRS. (OC)**INTRODUCTION TO CURRENT PROCEDURAL TERMINOLOGY (CPT) CODING**

Prerequisite: HLTH 121 with a grade of "C" or better or equivalent, and/or department approval. This course is designed to teach the basic purpose, structure and conventions of the CPT system.
Lecture Hours: 2 Laboratory Hours: 0

MEDO 118 1 HR. (OC)**CODING INTERNSHIP**

Prerequisite: MEDO 115, MEDO 117, and MEDO 120, all with a grade of "C" or better. This supervised internship course is arranged for students in a variety of health care settings where they will have the opportunity to apply and gain a working knowledge of the International Classification of Diseases (ICD-10-CM and ICD-10-PCS) and Current Procedural Terminology coding systems (CPT) to determine appropriate reimbursement for services rendered by health care providers.
Lecture Hours: 0 Laboratory Hours: 7.5

MEDO 119 2 HRS. (OC)**INTRODUCTION TO PHARMACOLOGY FOR MEDICAL ASSISTANTS**

Prerequisite: Admission to the Medical Assistant Program and concurrently enrolled in MEDO 125. This course provides an introduction of pharmacology for the medical assistant. Emphasis will be placed on basic drug terminology, drug classifications, and a drug's effect on the different body systems.
Lecture Hours: 1 Laboratory Hours: 2

MEDO 120 3 HRS. (OC)**INTERMEDIATE ICD-10-CM AND ICD-10-PCS CODING**

Prerequisite: MEDO 115 with a grade of "C" or better and/or department approval. This course builds on the basic knowledge of coding presented in the introductory course. Explanation of coding procedures for complex body systems as well as the technicalities of complete and accurate coding and DRG assignments in the in-patient setting will be covered.

Lecture Hours: 2 Laboratory Hours: 2

MEDO 122 3 HRS. (OC)**MEDICAL OFFICE ADMINISTRATIVE PRACTICUM/INTERNSHIP**

Prerequisite: MEDO 110, ENGL 125, TYPE 120 or TYPE 121, all with a grade of "C" or better and the completion of BIOL 106 or BIOL 140, and HEOCC 112, BUS 100, HLTH 121 all with a grade of "C" or better or concurrent enrollment and current CPR certification. This course is a practical application of the common medical office administrative skills by participation in a supervised experience at a local health care facility.

Lecture Hours: 0 Laboratory Hours: 15

MEDO 125 3 HRS. (OC)**MEDICAL ASSISTANT PRACTICUM/INTERNSHIP**

Prerequisite: MEDO 111, MEDO 114, HLTH 107, MLT 110, COMM 110, all with a grade of "C" or better, current CPR certification. This course is a continued study of medical assisting administrative and clinical skills by participating in supervised practical experience at local health care settings.

Lecture Hours: 0 Laboratory Hours: 15

MEDO 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department Approval. This course provides the student the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Multimedia**MM 140 3 HRS. (TC)****MULTIMEDIA PRODUCTION I**

This course provides introductory skills survey of multimedia communications, production components, elements, aesthetics, and tools. It introduces the fundamentals of text-processing, digital graphics, digital audio and video, web-based design, and interactive media presentation formats are introduced. Basic skills and strategies in a variety of multimedia software, systems, peripherals, document and file formats, and Internet navigation and production are emphasized.

Lecture Hours: 0 Laboratory Hours: 6

MM 142 3 HRS. (TC)**DIGITAL PHOTOGRAPHY**

Prerequisite: MM 140 and GRDSN 140 both with a grade of "C" or better. This introductory course explores applied hybrid and digital photography in digital darkroom studio projects. Project assignments are created with direct camera work and methods of image capture, manipulation, enhancement, synthesis and derivation. Students acquire facility with digital cameras, computers, and image-processing software and peripherals. Projects and critiques stress image-making as documentary and narrative visual communication for graphic design and multimedia applications. Studio, laboratory and location exercises and assignments are required. Assigned readings and research address technical, aesthetic, rhetorical, technological and ethical implications of the contemporary digital darkroom and images.

Lecture Hours: 0 Laboratory Hours: 6

MM 150 3 HRS. (TC)**MULTIMEDIA THEORY**

Prerequisite: MM 140 and GRDSN 140 both with a grade of "C" or better. This theory-based course extracts, interprets and examines fundamental aspects of contemporary art, design, communication, rhetorical, and technological theories. Students explore theories to inform, explain, understand and create new interactive multimedia contexts and environments.

Lecture Hours: 0 Laboratory Hours: 6

MM 230 3 HRS. (TC)**DIGITAL VIDEO PRODUCTION**

Prerequisite: MM 140 and MM 150 both with a grade of "C" or better. This studio course provides advanced video production techniques for use in multimedia, Internet, and new media projects. This is a fundamental course in nonlinear production. The course combines technical information, video production, technical skills, and editing with a theoretical and practical approach. Reproduction planning, storyboarding, and effects production are explored.

Lecture Hours: 0 Laboratory Hours: 6

MM 231 3 HRS. (OC)**VIDEO SPECIAL EFFECTS**

Prerequisite: MM 140 and MM 150 both with a grade of "C" or better. This studio course provides advanced video production effects for multimedia, Internet, and new media projects. The course emphasizes principles and properties of special effects for text, keying, traveling mats, and other effects. Advanced software techniques are explored.

Lecture Hours: 0 Laboratory Hours: 6

MM 241 5 HRS. (TC)**MULTIMEDIA AUTHORING**

Prerequisite: MM 140 and GRDSN 140 both with a grade of "C" or better. This course includes authoring of multimedia presentations, using industry-standard software. Design management, interactivity, branching, navigation, user interface, and digital components are stressed. Digital acquisition and processing of text, graphics, animation, video and sound are also covered. Problem-solving, prototypes, sequential design, and digital media integration are stressed.

Lecture Hours: 0 Laboratory Hours: 10

MM 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides a student the opportunity to investigate areas of multimedia not included in the course of study according to the individual's academic needs. The student must submit a formal written plan detailing the project, number of credit hours assigned to it, and the evaluative criteria that is to be used. This project must be carried out under the direction of a faculty member. Repeatable to a max of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Music

MUS 109 3 HRS. (OC) RECORDING TECHNIQUES I

This course will provide students with knowledge of the fundamentals of audio recording theory, equipment, procedures, terminology, and how to apply this knowledge in the world today. Topics covered include the basics of the physics of sound and how we perceive sound, the audio production console and signal flow, microphone concepts, and studio session procedures. Lectures and labs focus on the production of short-form audio works of voice, music, and sound effects to develop and improve engineering and production skills.

Lecture Hours: 2 Laboratory Hours: 2

MUS 110 2 HRS. (TC) CLASS PIANO I

These courses are for future music majors who have little or no previous piano instruction. The purpose of these courses is to develop a basic ability at the keyboard required of the musician and enhance aural understanding of music. Laboratory hours will be practice outside of the classroom.

Lecture Hours: 2 Laboratory Hours: 0

MUS 111 2 HRS. (TC) CLASS PIANO II

Prerequisite: MUS 110 with a grade of "C" or better. This course is for future music majors who have little or no previous piano instruction. The purpose of this course is to develop a basic ability at the keyboard required of the musician and enhance aural understanding of music. Laboratory hours will be practice outside of the classroom.

Lecture Hours: 2 Laboratory Hours: 0

MUS 114 2 HRS. (TC) CLASS PIANO FOR NON-MUSIC MAJORS

This course is for non-music students who have little or no previous piano instruction. By the end of the semester the student is able to play most simple keyboard music for personal enjoyment.

Lecture Hours: 2 Laboratory Hours: 0

MUS 117 0.5 HRS. (TC) ENRICHMENT FOR PIANO

Prerequisite: MUS 114 or department approval. This course provides individual piano study for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit.

Lecture Hours: 0.5 Laboratory Hours: 0

MUS 119 3 HRS. (OC) RECORDING TECHNIQUES II

Prerequisite: MUS 109 or department approval. Course provides students to build a foundation in working with recording techniques for musicians. Students will gain knowledge and skills in recording, mixing, mastering, and preparing audio deliverables. Students participate in a series of exercises to develop and refine critical listening, evaluation, and judgment abilities. In the process, students adopt techniques and strategies for organizing and managing sessions, developing effective communication and presentation skills, and acquiring a sense of professionalism in the field.

Lecture Hours: 1 Laboratory Hours: 4

MUS 120 3 HRS. (TC) INTRODUCTION TO MUSIC BUSINESS

An introduction to the field of music business through a review of the various areas and careers within the music industry including: music publishing, recording/digital distribution, licensing, music products, concert promotion, artist management, and arts administration. This class will approach music marketing and entrepreneurship.

Lecture Hours: 3 Laboratory Hours: 0

MUS 128 0.5 HRS. (TC) ENRICHMENT FOR VOICE

This course provides individual vocal instruction for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit.

Lecture Hours: 0.5 Laboratory Hours: 0

MUS 130 1 HR. (TC) CHAMBER SINGERS

Prerequisite: Department approval. Students interested in studying vocal music should enroll in this ensemble which is open to a limited number of auditioned singers. This course may be repeated three times for credit.

Lecture Hours: 0 Laboratory Hours: 3

MUS 131 1 HR. (TC) CONCERT BAND

All students who play wind or percussion instruments may enroll. Music students whose performing instrument is brass, woodwind or percussion should enroll. This course may be repeated three times for credit.

Lecture Hours: 0 Laboratory Hours: 3

MUS 132 1 HR. (TC) JAZZ BAND

All students who play guitar, piano, wind and percussion instruments may enroll. Some students may be required to audition. This course may be repeated three times for credit.

Lecture Hours: 0 Laboratory Hours: 3

MUS 134 1 HR. (TC) CONCERT CHOIR

All students who want to sing in a choral organization may enroll. This course may be repeated three times for credit.

Lecture Hours: 0 Laboratory Hours: 3

MUS 136 3 HRS. (TC) MUSIC FUNDAMENTALS

This course is designed to provide an introduction to music fundamentals: music notation, scales, rhythm, harmony, melody, ear training, basic sight-singing, familiarity with the keyboard, and an optional composition.

Recommended for non-music majors who wish to learn music basics and future music majors with insufficient background for music theory.

Lecture Hours: 3 Laboratory Hours: 0

MUS 137 1 HR. (TC) VOCAL JAZZ ENSEMBLE

Prerequisite: Department approval. This course concentrates on the study of various styles and techniques of the vocal jazz genre. In addition to vocal jazz literature and performance, ensemble intonation, sound reinforcement and improvisation will be presented. Voice majors, voice minors, and students from the total student body are encouraged to audition for this ensemble. This course may be repeated three times for credit. Three lab hours per week and additional rehearsals and performances as scheduled.

Lecture Hours: 0 Laboratory Hours: 3

MUS 146 2 HRS. (TC) BEGINNING CLASS GUITAR I

This is a basic course in beginning guitar. Students will study the fundamentals of tuning, proper instrument grip, proper finger positions, various strumming and picking styles, and chord structures. Instruction will include the essential elements of music theory, such as notation, keys, scales, intervals, and triads, as these apply to the playing of the guitar. Students must supply their own guitar.

Lecture Hours: 2 Laboratory Hours: 0

MUS 147 2 HRS. (TC)**BEGINNING CLASS GUITAR II**

Prerequisite: MUS 146 with a grade of "C" or better. This course is a second semester/continuation of a basic course in beginning guitar. Students will study the fundamentals of tuning, proper instrument grip, proper finger positions, various strumming and picking styles, and chord structures, progressing toward an intermediate level. Instruction will include review and expansion upon essential elements of music theory, such as notation, keys, scales, intervals, and triads, as these elements apply to the playing of the guitar. Lecture Hours: 2 Laboratory Hours: 0

MUS 148 3 HRS. (TC)**INTRODUCTION TO AMERICAN MUSIC (F1 904)**

Prerequisite: Approved reading placement score, or equivalent. This course is a study of the musical heritages as they combined in the United States to create jazz, what many critics consider America's greatest contribution to art music. From the earliest performances to its present day pre-eminence in the musical world, this course covers formative influences such as religious music and spirituals; solo piano styles such as ragtime, boogie, and stride; blues history, work songs, and field hollers. It culminates in a detailed exploration of the various style periods in jazz, placing each movement in its historical and sociological context, including jazz as practiced today. Lecture Hours: 3 Laboratory Hours: 0

MUS 149 3 HRS. (TC)**INTRODUCTION TO MUSIC LITERATURE (F1 901)**

Prerequisite: Approved reading placement score, or equivalent. This course is an introduction to the standard concert repertoire through intensive guided listening. Representative works by major composers are chosen to illustrate the principal styles, forms, and techniques of vocal and instrumental music. Although there is no music prerequisite for this course, there is an assumption of fundamental knowledge and understanding of the elements of music. Lecture Hours: 3 Laboratory Hours: 0

MUS 150 3 HRS. (TC)**MUSIC APPRECIATION (F1 900)**

Prerequisite: Approved reading placement score, or equivalent. This is a general course introducing representative music of various periods from our musical heritage. Skills of intelligent listening are taught. Lecture Hours: 3 Laboratory Hours: 0

MUS 154 0.5 HRS. (TC)**ENRICHMENT FOR BRASS**

This course provides individual brass instruction for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit. Lecture Hours: 0.5 Laboratory Hours: 0

MUS 158 0.5 HRS. (TC)**ENRICHMENT FOR WOODWIND**

This course provides individual woodwind instruction for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit. Lecture Hours: 0.5 Laboratory Hours: 0

MUS 160 0.5 HRS. (TC)**ENRICHMENT FOR PERCUSSION**

This course provide individual percussion instruction for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit. Lecture Hours: 0.5 Laboratory Hours: 0

MUS 162 0.5 HRS. (TC)**ENRICHMENT FOR GUITAR**

This course provides individual guitar instruction for the developing music student and music students working on a secondary instrument. This course may be repeated 3 times for credit. Lecture Hours: 0.5 Laboratory Hours: 0

MUS 163 1 HR. (TC)**APPLIED GUITAR II**

Prerequisite: MUS 162 with a grade of "C" or better and concurrent registration in an ensemble. In this course, on-going study for the guitar major on an individualized basis is provided. The music major is expected to register for applied music each semester. Lecture Hours: 1 Laboratory Hours: 0

MUS 164 1 HR. (TC)**GUITAR ENSEMBLE**

Prerequisite: Department approval. This course involves working with others to prepare music for public performance using guitar. The student applies techniques and musical concepts learned from Applied Guitar, Enrichment for Guitar and/or Class Guitar. This course can be repeated up to a maximum of three times. Lecture Hours: 0 Laboratory Hours: 3

MUS 170 3 HRS. (TC)**THEORY I**

Prerequisite: MUS 136 with a grade of "C" or better, or a score of 35 on the Theory Placement exam, and concurrent enrollment in MUS 180. This is the first course in a series of four courses in music theory. The course includes basic fundamentals, diatonic functions, triads and seventh chords, principles of voice leading, harmonic progressions, inversions and concludes with cadences, phrases and sequences. Lecture Hours: 3 Laboratory Hours: 0

MUS 171 3 HRS. (TC)**THEORY II**

Prerequisite: MUS 170 and MUS 180 with a grade of "C" or better and concurrent enrollment in MUS 181. This is the second course in a series of four courses in music theory. This course begins the study of non-chord tones, diatonic seventh chords voice leading practices, and concludes with secondary functions. Lecture Hours: 3 Laboratory Hours: 0

MUS 180 1 HR. (TC)**MUSICIANSHIP I**

Prerequisite: MUS 136 with a grade of "C" or better, or a score of 35 on the Theory Placement exam, and concurrent enrollment in MUS 170. This is the first course in a series of four courses devoted to the aural skills of musicianship. The course includes division of the beat in simple and compound meters; identification of scales, intervals, triads, and seventh chords; and melodies moving by step and using skips within the tonic triad in major and minor tonalities. Aural understanding is developed through dictation and sight singing. Lecture Hours: 0 Laboratory Hours: 2

MUS 181 1 HR. (TC)**MUSICIANSHIP II**

Prerequisite: MUS 180 and MUS 170 both with a grade of "C" or better. This is the second course in a series of four courses devoted to the aural skills of musicianship. The course includes intervals from the dominant triad and dominant seventh chord in major and minor keys in simple and compound meters; other diatonic intervals of the seventh and tritone; subdivision of the beat in simple and compound meters; and structured improvisation. Aural understanding is developed through dictation, sight singing, and improvisation. Lecture Hours: 0 Laboratory Hours: 2

MUS 210 2 HRS. (TC)**CLASS PIANO III**

Prerequisite: MUS 111 with a "C" or better. This course is for future music majors who have little or no previous piano instruction. The purpose of this course is to develop a basic quality at the keyboard required by the musician and enhance aural understanding of music. Practice outside of the classroom required.

Lecture Hours: 2 Laboratory Hours: 0

MUS 211 2 HRS. (TC)**CLASS PIANO IV**

Prerequisite: MUS 210 with a "C" or better. This course is for future music majors who have little or no previous piano instruction. The purpose of this course is to develop a basic quality at the keyboard required by the musician and enhance aural musicianship. Practice outside of the classroom required.

Lecture Hours: 2 Laboratory Hours: 0

MUS 214 2 HRS. (TC)**CLASS PIANO FOR NON-MUSIC MAJORS**

Prerequisite: MUS 114 with a grade of "C" or better. This course is for non-music majors who have little or no previous piano instruction. By the end of the second semester the student is able to play most keyboard music for personal enjoyment.

Lecture Hours: 2 Laboratory Hours: 0

MUS 217 1 HR. (TC)**APPLIED PIANO**

Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; and department approval. This course provides continuing individual study for the piano student planning to major in music. The student is expected to register for applied piano each semester. This course may be repeated three times for credit.

Lecture Hours: 1 Laboratory Hours: 0

MUS 228 1 HR. (TC)**APPLIED VOICE**

Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; or department approval. This course provides continuing individual study for the voice student planning to major in music. The student is expected to register for Applied Voice each semester. This course may be repeated three times for credit.

Lecture Hours: 1 Laboratory Hours: 0

MUS 254 1 HR. (TC)**APPLIED BRASS**

Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; or department approval. This course provides individualized study for the brass student planning to major in music. The student is expected to register for Applied Music each semester. This course may be repeated three times for credit.

Lecture Hours: 1 Laboratory Hours: 0

MUS 258 1 HR. (TC)**APPLIED WOODWIND**

Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; or department approval. This course provides individual woodwind instruction for the student planning to major in music. The student is expected to register for Applied Music each semester. This course may be repeated three times for credit.

Lecture Hours: 1 Laboratory Hours: 0

MUS 260 1 HR. (TC)**APPLIED PERCUSSION**

Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; or department approval. This course provides individual percussion instruction for the student planning to major in music. The student is expected to register for Applied Music each semester. This course may be repeated three times for credit.

Lecture Hours: 1 Laboratory Hours: 0

MUS 262 1 HR. (TC)**APPLIED GUITAR**

Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; or departmental approval. This course provides individual guitar instruction for the student planning to major in music. The student is expected to register for Applied Guitar each semester. This course may be repeated three times for credit.

Lecture Hours: 1 Laboratory Hours: 0

MUS 264 1 HR. (TC)**GUITAR ENSEMBLE**

Prerequisite: Department approval. This course involves working with others to prepare guitar ensemble music for public performance. The student applies techniques and musical concepts learned from Applied Guitar and/or Group Guitar. This course can be repeated up to a maximum of three times.

Lecture Hours: 0 Laboratory Hours: 3 - 9

MUS 270 3 HRS. (TC)**THEORY III**

Prerequisite: MUS 171 and MUS 181 with a grade of "C" or better and concurrent enrollment in MUS 280. This is the third course in a series of four courses in music theory. The course includes modulations, larger forms, mode mixture and the Neapolitan. The study of augmented sixth chords concludes this course.

Lecture Hours: 3 Laboratory Hours: 0

MUS 271 3 HRS. (TC)**THEORY IV**

Prerequisite: MUS 270 and MUS 280 with a grade of "C" or better and concurrent enrollment in MUS 281. This is the fourth course in a series of four courses in music theory. The course includes enharmonic spellings and modulations, ninth, eleventh and thirteenth chords, unclassified chord structures and complex harmonic progressions. Late 19th century harmony and 20th century materials and techniques like serial composition and atonality are also included.

Lecture Hours: 3 Laboratory Hours: 0

MUS 280 1 HR. (TC)**MUSICIANSHIP III**

Prerequisite: MUS 181 and MUS 171 with a grade of "C" or better and concurrent enrollment in MUS 270. This is the third course in a series of four courses devoted to the aural skills of musicianship. The course includes an introduction to chromaticism; modulation to closely-related keys; and syncopation. Aural understanding is developed through dictation and sight singing.

Lecture Hours: 0 Laboratory Hours: 2

MUS 281 1 HR. (TC)**MUSICIANSHIP IV**

Prerequisite: MUS 280 and MUS 270 with a grade of "C" or better and concurrent enrollment in MUS 271. This course is the last in a series of four courses devoted to the aural skills of musicianship. The course includes professional rhythmic and harmonic concepts such as changing meters; the hemiola; remote modulation; diatonic modes; and post-tonal structures. Aural understanding is developed through dictation and sight singing.

Lecture Hours: 0 Laboratory Hours: 2

MUS 290
MUSIC INTERNSHIP

1 HR. (TC)

Prerequisite: Department approval. This course is designed to give the student the opportunities in their own field under the direct supervision of a professional. The student will work at least 75 hours per credit hour received or equivalent plus weekly meeting with a college supervising professor.

Lecture Hours: 0 Laboratory Hours: 5 - 20

Numerical Control Technology

NCTK 110

1 HR. (OC)

INTRODUCTION TO NUMERICAL CONTROL SYSTEMS

This course introduces the student to the evolution of machine tool technology; the development of hard automation and flexible automation; and the topics of automated control, servo systems, and computer numerical control terminology. The student is acquainted with computers in manufacturing and how they interface with CNC systems to perform useful work; the role of computer numerical control in automated work cells, flexible manufacturing systems and factory applications of CNC.

Lecture Hours: 1 Laboratory Hours: 0

NCTK 210

2 HRS. (OC)

FUNDAMENTALS OF CNC PROGRAMMING

Prerequisite: NCTK 212 with a "C" or better and MATH 106 with a grade of "C" or better or departmental approval. This course includes the theoretical and practical aspects of writing manual numerical control programs. Included is coding formats, preparatory functions, miscellaneous functions, and point-to-point and continuous path programming. Emphasis is on developing programs for three axis machine tools.

Lecture Hours: 1 Laboratory Hours: 3

NCTK 212

2 HRS. (OC)

CNC MACHINE OPERATION I

Prerequisite: MACTR 121 with a grade of "C" or better; concurrent enrollment in NCTK 110 or department approval. This course prepares the student for practical programming assignments and is designed to give actual hands-on experience in the setting up and operation of CNC machining and turning centers.

Lecture Hours: 1 Laboratory Hours: 3

NCTK 214

2 HRS. (OC)

CNC MACHINE OPERATION II

Prerequisite: NCTK 212 with a grade of "C" or better or department approval. This course prepares the student for practical programming assignments, and is designed to give advanced hands-on experience in the setting up and operation of CNC machining and turning centers.

Lecture Hours: 1 Laboratory Hours: 3

NCTK 255

1 HR. (OC)

INDEPENDENT STUDY

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Occupational Therapy Assistant

OTA 100

0.5 HRS. (OC)

INTRODUCTION TO OCCUPATIONAL THERAPY ASSISTANT

This course is designed to introduce students to the occupational therapy profession and the role of the occupational therapy assistant as a member of an interprofessional team of health care professionals. Key concepts such as occupation, therapeutic use of self, task analysis, assistive technology and a client-centered approach to treatment will be introduced. Basic occupational therapy assessments and interventions for geriatrics, mental health, pediatrics and physical dysfunction practice settings will be demonstrated and practiced.

Lecture Hours: 0.5 Laboratory Hours: 0

OTA 110

4 HRS. (OC)

FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT

Prerequisite: Acceptance to the Occupational Therapy Assistant Program. This course provides an introduction to the health care discipline of occupational therapy, including its history, philosophy, theory, ethics, safety of self and others, evidenced-based research and practice, cultural diversity, and role delineation within the occupational therapy process and the Practice Framework. A broad overview of the relationship of cognitive, physical and psychosocial health and disease will be presented, along with a focus on occupational performance, documentation and the Practice Framework for the occupational therapy assistant.

Lecture Hours: 3 Laboratory Hours: 2

OTA 111

4 HRS. (OC)

OCCUPATIONAL THERAPY PROCESS FOR INDIVIDUALS AND GROUPS

Prerequisite: Acceptance to the Occupational Therapy Assistant Program. This course addresses the fundamental concepts of occupational therapy for individuals and groups. Occupational therapy assessments and interventions, group development and group dynamics to support occupational performance, participation, and well-being across the lifespan with a primary focus on the aging process. Level I fieldwork experience is completed.

Lecture Hours: 3 Laboratory Hours: 2

OTA 112

4 HRS. (OC)

MENTAL HEALTH AND FUNCTION ACROSS THE LIFESPAN

Prerequisite: BIOL 140, OTA 110, OTA 111, and OTA 118, all with a grade of "C" or better or concurrent enrollment. This course provides a basic understanding of mental health conditions and behaviors across the lifespan. The principles of the occupational therapy process, assessment and interventions are discussed. Level I fieldwork with a psychosocial emphasis is completed.

Lecture Hours: 3 Laboratory Hours: 2

OTA 114

4 HRS. (OC)

TASK ANALYSIS, ASSISTIVE TECHNOLOGY AND THERAPEUTIC MEDIA FOR THE OCCUPATIONAL THERAPY ASSISTANT

Prerequisite: BIOL 140, OTA 110, OTA 111 and OTA 118, all with a "C" or better or concurrent enrollment. In this course, occupational therapy process including assessment and intervention implementation will be examined through task analysis, gradation of activities, and adaptation through the use of assistive technology and therapeutic media and interventions to promote occupational performance across the lifespan.

Lecture Hours: 2 Laboratory Hours: 6

OTA 118 4 HRS. (OC)**APPLICATIONS OF ANATOMY AND KINESIOLOGY
IN THE OCCUPATIONAL THERAPY PROCESS**

Prerequisite: Acceptance to the Occupational Therapy Assistant Program. In this course, body structures and functions of the neuromusculoskeletal system will be examined in relation to performance in areas of occupation across the life span. Training in techniques to enhance functional mobility, wheelchair management, and management of mobility devices will be examined. Analysis of activities of daily living (ADL) and instrumental activities of daily living (IADL) tasks and their upper extremity activity demands including joint range of motion, muscle strength, gross motor coordination, fine motor coordination, grip and pinch strength, and prehension and grasp patterns will be emphasized. Functional mobility, physical transfers, upper and lower extremity joint range of motion, goniometry, and manual muscle testing competencies are directly assessed. Therapeutic exercise and its relationship to performance skills and occupations will be examined. Documentation of occupational therapy service provision to ensure accountability will be reinforced.

Lecture Hours: 3 Laboratory Hours: 3

OTA 210 4 HRS. (OC)
**OCCUPATIONAL THERAPY PROCESS AND INTERVENTIONS
IN PEDIATRICS**

Prerequisite: OTA 112 and OTA 114, both with a grade of "C" or better or concurrent enrollment. This course applies the occupational therapy process in traditional and emerging pediatric practice settings. Occupational Therapy assessments and interventions addressing behavioral, cognitive, neuromuscular, orthopedic, perceptual, physical, and sensory impairments and other health conditions found in the pediatric population will be the primary focus.

Lecture Hours: 3 Laboratory Hours: 3

OTA 211 4 HRS. (OC)
**OCCUPATIONAL THERAPY PROCESS AND INTERVENTIONS
FOR PHYSICAL DYSFUNCTION**

Prerequisite: OTA 210 and OTA 212, both with a grade of "C" or better or concurrent enrollment. This course applies the occupational therapy process in the assessment and intervention of individuals with physical dysfunction across the life span. The process of assessment and interventions addressing cognitive, muscular, neurological, orthopedic, perceptual, physical and sensory impairments and other health conditions in traditional and emerging physical dysfunction practice settings will be the primary focus.

Lecture Hours: 3 Laboratory Hours: 3

OTA 212 5 HRS. (OC)
**OCCUPATIONAL THERAPY ASSISTANT LEVEL II FIELDWORK-
PEDIATRICS**

Prerequisite: OTA 112 and OTA 114, both with a grade of "C" or better or concurrent enrollment. This course provides an offsite, clinical fieldwork experience with an emphasis on pediatric assessment and intervention. Concentrated focus on the cognitive, developmental, physical, psychological and social factors that influence engagement in occupation with the pediatric population. Students are provided an in-depth learning opportunity to experience delivering occupational therapy services to individuals and groups, focusing on application of purposeful and meaningful occupation. Level II fieldwork experience is completed.

Lecture Hours: 1 Laboratory Hours: 20

OTA 213 5 HRS. (OC)**OCCUPATIONAL THERAPY ASSISTANT LEVEL II FIELDWORK-
PHYSICAL DYSFUNCTION**

Prerequisite: OTA 210 and OTA 212, both with a grade of "C" or better or concurrent enrollment. This course provides an offsite, clinical fieldwork experience with an emphasis on assessment and intervention of physical dysfunction. Concentrated focus on the cognitive, physical, psychological and social factors that influence engagement in occupation of individuals or groups with physical dysfunction. Students are provided an in-depth learning opportunity to experience delivering occupational therapy services to individuals and groups, focusing on application of purposeful and meaningful occupation. Level II fieldwork experience is completed.

Lecture Hours: 1 Laboratory Hours: 20

OTA 220 3 HRS. (OC)**MANAGEMENT AND ADMINISTRATION FOR THE OTA**

Prerequisite: OTA 210 and OTA 212, both with a grade of "C" or better or concurrent enrollment. This course introduces program development, marketing, management, promotion and advocacy for occupational therapy service delivery. Concentrated focus on leadership, professional behaviors, and interprofessional team collaboration. This course includes a service learning project with key process partners from within the community.

Lecture Hours: 3 Laboratory Hours: 0

OTA 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the study project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters). The project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department. A final written report is submitted to the faculty member by the student.

Lecture Hours: 0 Laboratory Hours: 3 - 15

**Office Administration and
Computer Support****OFACS 125 1 HR. (OC)****POWERPOINT**

This course covers basic training in the use of Microsoft PowerPoint, a commercially available presentation software package. This course is repeatable up to three times.

Lecture Hours: 1 Laboratory Hours: 0.5

OFACS 126 1 HR. (OC)**OUTLOOK**

This course prepares students to manage email, calendars, contacts, tasks, and other time management tools found in a business office by using a personal information management program -- Microsoft Outlook. This course is repeatable up to three times.

Lecture Hours: 0.5 Laboratory Hours: 1

OFACS 132 3 HRS. (OC)**ELECTRONIC SPREADSHEETS**

This course covers basic training in the use of commercially available electronic spreadsheet software. This course is repeatable up to three times.

Lecture Hours: 2 Laboratory Hours: 2

OFACS 133 **3 HRS. (OC)**
DATABASE MANAGEMENT SYSTEMS
 This course covers basic training in the use of commercially available database management system software. This course is repeatable up to three times.
 Lecture Hours: 2 Laboratory Hours: 2

OFACS 211 **3 HRS. (OC)**
INTEGRATED OFFICE PROJECTS
 Prerequisite: WP 122, OFACS 132 and OFACS 133 all with a grade of "C" or better. This course is a capstone course that pulls together and integrates prior coursework to complete a variety of office-style projects utilizing integrated office application software (word processing, spreadsheet, database, and presentation). The students will navigate each software package independently and integrate the packages by linking and embedding files from a source to a destination. The students will complete office-style projects including, but not limited to, memoranda, letters, budgets, expense reports, customer mailing lists, stockholder reports, newsletters, brochures, flyers, itineraries, specialized forms, and presentations. Email, calendaring, and Internet applications will also be utilized.
 Lecture Hours: 2 Laboratory Hours: 2

OFACS 232 **3 HRS. (OC)**
ADVANCED SPREADSHEETS
 Prerequisite: OFACS 132 with a grade of "C" or better or department approval. This course covers the advanced topics of spreadsheets including multi-dimensional spreadsheets, graphics, databases, and printing enhancements. Macros (VBA) will be incorporated to present user-defined menus to assist in worksheet processing.
 Lecture Hours: 2 Laboratory Hours: 2

OFACS 233 **3 HRS. (OC)**
ADVANCED DATABASE
 Prerequisite: OFACS 133 with a grade of "C" or better. This course covers advanced training in the use of commercially available database management systems. Such topics as custom forms, custom reports, custom data access pages, HTML documents, integration with other programs, crosstab and action queries, relationships, macros, switchboards, and an introduction to SQL will be covered.
 Lecture Hours: 2 Laboratory Hours: 2

Office Occupations

OFOCC 111 **1 HR. (OC)**
TELEPHONE SKILLS FOR THE OFFICE
 This course will cover training in the professional use of the telephone.
 Lecture Hours: 1 Laboratory Hours: 0

OFOCC 114 **3 HRS. (OC)**
FUNDAMENTALS OF TRANSCRIPTION
 Prerequisite: Credit or concurrent enrollment in TYPE 121 or equivalent. This course covers basic fundamentals of transcription. Classroom activities emphasize basic secretarial grammar, word study, spelling, and punctuation required for the transcription of notes and rough drafts in a business office. The students use computers with word processing software programs to accomplish their daily tasks and tests.
 Lecture Hours: 3 Laboratory Hours: 0

OFOCC 117 **2 HRS. (OC)**
USING VOICE RECOGNITION SOFTWARE
 This course will provide instruction and practice using voice recognition software to complete office tasks using a computer. This course is repeatable up to three times.
 Lecture Hours: 1 Laboratory Hours: 2

OFOCC 141 **0.5 HRS. (OC)**
SPECIAL TOPICS
 The content of this special topics course will vary to allow an examination of various topics such as software updates, new software, new productivity tools, and emerging trends and issues in the office environment. Each section offered will present a unique topic of value to students in the office professions. This course may be repeated three times when the topic and content are different.
 Lecture Hours: 0.5 - 3.0 Laboratory Hours: 0

OFOCC 200 **2 HRS. (OC)**
MACHINE TRANSCRIPTION AND SPECIALIZED TERMINOLOGY
 Prerequisite: Credit in OFOCC 114 and TYPE 121 with a grade of "C" or better. This course prepares individuals to support business information operations by using current technology to enter, process, and retrieve data including instruction in word processing software and transcription equipment. Students will create mailable transcribed business, medical, and legal documents.
 Lecture Hours: 1 Laboratory Hours: 2

OFOCC 205 **3 HRS. (OC)**
FUNDAMENTALS OF RECORDS CONTROL
 This course examines the principles of storage, retention, transfer and disposition of records; and numerous filing systems, equipment and techniques of record management.
 Lecture Hours: 3 Laboratory Hours: 0

OFOCC 210 **3 HRS. (OC)**
ADMINISTRATIVE OFFICE PROCEDURES
 Prerequisite: TYPE 121 with a grade of "C" or better and OFACS 132 with a grade of "C" or better. This course provides students with opportunities to integrate technology, knowledge, and skills for successful office employment. Students will benefit from this class by learning basic procedures which office professionals are expected to know and by improving their interpersonal skills.
 Lecture Hours: 3 Laboratory Hours: 0

OFOCC 250 **3 HRS. (OC)**
OFFICE OCCUPATIONS INTERNSHIP
 Prerequisite: Admission to an Office Occupations Internship Program and a 2.0 cumulative grade point average. The student-intern is placed in an area office to receive on-the-job training under the direction of a training station supervisor and/or employer. Student-interns also meet in class or individually with the office occupations coordinator for one hour per week to work on problems or special assignments related to the internship training.
 Lecture Hours: 1 Laboratory Hours: 15

OFOCC 255 **1 HR. (OC)**
INDEPENDENT STUDY
 Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
 Lecture Hours: 0 Laboratory Hours: 3 – 15

Paralegal

PRLGL 110 3 HRS. (OC)

INTRODUCTION TO PARALEGAL

Prerequisite: ENGL 110 with a "C" or better, or equivalent. This course examines the legal assistant in the legal system and overviews the skills required of this type of work. Reference is made to legal terminology and Illinois procedural and substantive law.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 112 3 HRS. (OC)

LEGAL RESEARCH I

Prerequisite: PRLGL 110 with a grade of "C" or better or department approval. This course orients the student as to the use and contents of the law library, i.e., legal publications, treatises and other legal writings encountered in the practice of law.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 113 3 HRS. (OC)

LEGAL RESEARCH II

Prerequisite: PRLGL 112 with a grade of "C" or better. This course examines the purposes, forms, organization, design and language of legal writing and engages the student in the analysis and resolution of the issues presented by the law and the facts. The writing of appellate briefs, research and argumentative memoranda, as well as advisory letters is emphasized.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 114 3 HRS. (OC)

FAMILY LAW

Prerequisite: PRLGL 110 and PRLGL 112 with a grade of "C" or better or department approval. This course studies the marital relationship including: formation, annulment, separation and dissolution (divorce). Consequential considerations are covered such as child custody and support, maintenance (alimony), property settlement and some of the tax consequences. Other matters included in the course are adoption, paternity and the rights of family members. These topics are viewed in the light of Illinois law. The student participates in the completion and drafting of various forms and other documents.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 115 3 HRS. (OC)

WILLS, TRUSTS AND ESTATE ADMINISTRATION

Prerequisite: PRLGL 110 and PRLGL 112 with a grade of "C" or better or department approval. This course informs the student of concepts in and the mechanics of will and trust preparation and estate administration and provides exercises appropriate to the duties of a legal assistant.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 116 3 HRS. (OC)

CIVIL LITIGATION

Prerequisite: PRLGL 110 and PRLGL 112 with a grade of "C" or better and department approval. This course is a study of major steps in preparation for filing of and defensive pleadings for civil lawsuits; discovery; trial preparations, trial and post-trial matters; and ancillary matters. Appropriate reference is made to Illinois law. Exercises are provided.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 117 3 HRS. (OC)

ADMINISTRATIVE LAW

Prerequisite: PRLGL 110 and PRLGL 112 with a grade "C" or better or department approval. This course provides the student with an overview of administrative law, including agency rule-making and adjudication with specific emphasis on the processing of workers compensation cases under the Illinois Workers Compensation Act and federal social security practice.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 118 3 HRS. (OC)

LAW OFFICE MANAGEMENT

Prerequisite: PRLGL 110 and PRLGL 112 with a grade "C" or better or department approval. This course provides the student with exposure to practice-oriented contemporary topics of law office management. In addition to studying the organization, politics, employment law and the procedures of a law office, students will be introduced to and given an opportunity to utilize law oriented computer software applications in classroom exercises. Students will be exposed to exercises designed to provide exposure to the skills utilized by a paralegal in file management, time keeping and billing, docket management and developments in computer based legal research and document movement.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 120 2 HRS. (OC)

MEDICAL TERMINOLOGY FOR PARALEGALS

The course presents paralegal students and paralegals with the opportunity to acquire competency with medical terminology and gain experience with practical legal applications for medical terminology. Paralegal students can take this course as an elective; paralegals can take this course as part of their continuing legal education.

Lecture Hours: 2 Laboratory Hours: 0

PRLGL 121 3 HRS. (OC)

PARALEGAL ETHICS AND PROFESSIONAL RESPONSIBILITIES

Prerequisite: Department approval. This course is an in-depth review of the canons of professional responsibility, including case study projects. The emphasis is on the duty of paralegals and lawyers to act so as to serve a client's interests best, to do so in an ethical manner, and to advance the interests of justice. Paralegal students can take this course as an elective; paralegals can take this course as part of their continuing legal education.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 141 1 HR. (OC)

CURRENT LAW TOPICS

Prerequisite: PRLGL 110 with a grade of "C" or better or department approval. This course provides the student with exposure to practice-oriented contemporary topics of law. In addition to studying the recent changes to the law, students will be exposed to exercises designed to provide exposure to the skills utilized by a paralegal in each area of the law covered within the semester. Repeatable up to a maximum of three semester hours of credit.

Lecture Hours: 1 - 3 Laboratory Hours: 0

PRLGL 159 1 HR. (OC)

PARALEGAL PRE-INTERNSHIP

Prerequisite: Twelve credit hours of PRLGL courses. This course is designed to enable students to understand and prepare for the internship experience. Students will explore internship and legal career opportunities, develop job application skills, review expectations of professionalism, office procedures, and ethical responsibilities, and select potential internship placements in each student's areas of interest. Students are required to complete this course prior to enrolling in PRLGL 260 Paralegal Internship.

Lecture Hours: 1 Laboratory Hours: 0

PRLGL 215 3 HRS. (OC)**BUSINESS ORGANIZATION AND PRACTICE**

Prerequisite: PRLGL 110 and PRLGL 112 with a grade of "C" or better or department approval. This course is intended to provide a guide to knowledge and practical exercises in the paralegal's function in the day-to-day legal representation of business clients. The course focuses on simulated activities expected of a paralegal in a law office environment and discussion of the substantive law and procedural tasks involved in the formation and maintenance of various business entities and related business transactions. The course is presented by way of class discussion and related simulations and class assignments focusing on corporate formation, financial structure, meeting shareholders' rights and liabilities, changes in corporate status, as well as on such related topics as trademark registration, file maintenance, and drafting business transactional documents. The first portion of the course focuses on organizational matters with a focus on the creation and organization of a state-specific resource binder in which the student will adapt checklists to meet state requirements, as well as compile relevant state statutes, frequently used telephone listings, filing fee information, and state-specific forms. The second portion of the course will focus on client matters.

Lecture Hours: 3 Laboratory Hours: 0

PRLGL 260 3 HRS. (OC)**PARALEGAL INTERNSHIP**

Prerequisite: Admission to a paralegal program; completion of a minimum of 12 credit hours of program classes or department approval. This course involves student trainees who are employed at an approved training station with a program of training scheduled by joint agreement of the student, supervisor, and program coordinator. Special assignments including case studies and/or supplementary reports are required.

Lecture Hours: 1 Laboratory Hours: 15

Philosophy**PHIL 110 3 HRS. (TC)****INTRODUCTION TO PHILOSOPHY (H4 900)**

Prerequisite: Approved reading placement score, or equivalent. This course is a study of reoccurring philosophical principles and problems. Students will examine philosophical issues surrounding knowledge, the nature of truth, identity, free will, morality, and religion.

Lecture Hours: 3 Laboratory Hours: 0

PHIL 111 3 HRS. (TC)**LOGIC (H4 906)**

Prerequisite: Approved reading placement score, or equivalent. This course will acquaint the student with the terminology and the various forms of inductive and deductive reasoning. It will focus on methods of distinguishing good reasoning from bad and on the rules by which we judge arguments, as well as the practical application of these rules.

Lecture Hours: 3 Laboratory Hours: 0

PHIL 112 3 HRS. (TC)**COMPARATIVE RELIGIONS (H5 904N)**

Prerequisite: Approved reading placement score, or equivalent. An introductory survey of selected teachings, practices and institutions of major Eastern and Western religions. This course may include the role of history, appreciation for forms of expression, and criticism of their origins, rituals, and forms of religious knowledge and destiny.

Lecture Hours: 3 Laboratory Hours: 0

PHIL 113 3 HRS. (TC)**MEDICAL ETHICS**

Prerequisite: Approved reading placement score, or equivalent. This course investigates the multitude of ethical issues which have been raised because of advanced technology in medicine and health care. It attempts to clarify questions on such subjects as abortion, genetic engineering, euthanasia, human experimentation, transplantation, and patient consent. It will also present principles one may apply in making decisions in these areas.

Lecture Hours: 3 Laboratory Hours: 0

PHIL 114 3 HRS. (TC)**BUSINESS ETHICS**

Prerequisite: Approved reading placement score, or equivalent. This course investigates the basic ethical frameworks from which moral decisions are derived. It applies those fundamentals to such practical problems as advertising, the profit motive, labeling, public safety, natural resource preservation and other significant concerns which arise in normal business activities.

Lecture Hours: 3 Laboratory Hours: 0

PHIL 115 3 HRS. (TC)**ETHICS (H4 904)**

Prerequisite: Approved reading placement score, or equivalent. This course is an exploration of Ethics. This is an area of philosophy in which there is an attempt to achieve a systematic understanding of the good along with a clear notion of how we ought to live and why. Readings and discussions will feature several alternative moral theories.

Lecture Hours: 3 Laboratory Hours: 0

PHIL 116 3 HRS. (TC)**PHILOSOPHY OF RELIGION (H4 905)**

Prerequisite: Approved reading placement score, or equivalent. This course involves rational reflection about the experiences, thinking, attitudes, values, and questions that arise in relationship to religious reality. Some of the issues to be considered will include the following: definitions of God's nature, philosophical arguments for God's existence, the problem of evil, and the question of divine providence. The course also deals with the relationship between religion and morality, consciousness, and society.

Lecture Hours: 3 Laboratory Hours: 0

Physical Education**PHYED 110 1 HR. (TC)****BASKETBALL**

This course includes an introduction to the history and the rules of the game with an analysis of fundamentals. Emphasis is placed on individual skills and team play.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 112 1 HR. (TC)**SPORTS ACTIVITIES AND FITNESS**

Participation is in various activities designed to promote physical fitness. Activities include volleyball, badminton, and other conditioning activities and games.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 114 1 HR. (TC)**VOLLEYBALL**

This course stresses individual volleyball skills in passing, setting up, serving, blocking and spiking. Basic concepts of offensive and defensive team play are introduced.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 116 2 HRS. (TC)**INTRODUCTION TO RECREATION**

This course is designed to orient students to the field of recreation and recreational activities. It is intended to provide each student opportunities to formulate a philosophy and some basic concepts regarding recreation and recreational services as a profession.

Lecture Hours: 2 Laboratory Hours: 0

PHYED 118 1 HR. (TC)**SOFTBALL**

This course stresses individual skills in batting, bunting, base running, sliding, fielding, throwing, pitching, infield skills and outfield skills. The individual is introduced to basic concepts of offensive and defensive team play.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 119 1 HR. (TC)**ADVANCED SOFTBALL**

Prerequisite: PHYED 118 with a grade of "C" or better. This course is a review of basic skills in batting, throwing, fielding, infield skills and outfield skills. The student is introduced to the more intricate aspects of team offense and defense.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 120 1 HR. (TC)**BOWLING**

This course gives instruction in footwork and the fundamental movements in delivery. Rules, terminology, scoring and etiquette are also covered.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 122 1 HR. (TC)**ADVANCED BASKETBALL**

Prerequisite: PHYED 110 with a grade of "C" or better. This course includes basic fundamental skills, but emphasizes defensive play, rebounding and teamwork.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 123 1 HR. (TC)**ADVANCED BOWLING**

Prerequisite: PHYED 120 with a grade of "C" or better. This course will prepare the novice bowler for tournament level bowling. Skills that will be developed include reading the lanes, wrist releases, ball hooking for optimum striking consistency, as well as choosing appropriate bowling equipment.

Lecture Hours: 1 Laboratory Hours: 2

PHYED 124 1 HR. (TC)**ADVANCED VOLLEYBALL**

Prerequisite: PHYED 114 with a grade of "C" or better. This course is a review of skills in passing, setting, serving, blocking and spiking. Concepts of offense and defense in game situations are introduced.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 125 1 HR. (TC)**BEGINNING FENCING**

This introductory course emphasizes basic footwork, blade work, and competitive activities. Beginning fencing includes an introduction to the strategy and rules of fencing. Fundamental skills are reinforced through tactical games and conditioning exercises.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 126 1 HR. (TC)**BASEBALL**

This course stresses individual skills in hitting, base running, fielding, pitching, catching, and position skills. Team offensive and defensive concepts are included.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 127 1 HR. (TC)**ADVANCED BASEBALL**

Prerequisite: PHYED 126 with a grade of "C" or better. This course is a review of basic skills in hitting, throwing, fielding, pitching, catching, and infield and outfield skills. Greater emphasis is placed on offensive and defensive strategies from a team standpoint. Continuation of the development of flexibility, strength and cardiovascular improvement is stressed.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 128 1 HR. (TC)**DISTANCE RUNNING**

This course will teach the basics of distance running including running efficiency, improving cardiovascular endurance, muscle balance, and strength training. The student will be introduced to competitive track or road racing and racing strategies. This course may be repeated once for credit.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 129 1 HR. (TC)**ADVANCED DISTANCE RUNNING**

Prerequisite: PHYED 128 with a grade of "C" or better. This course stresses different types of training for the distance runner. Philosophies will include steady state running, fartlek, interval training, and hill training. Advanced racing techniques, such as surging, will be introduced. This course may be repeated once for credit.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 130 1 HR. (TC)**GOLF**

This course stresses the techniques of driving, fairway shots, pitching and putting. The student is introduced to general rules and match and stroke play.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 131 1 HR. (TC)**ADVANCED GOLF**

Prerequisite: PHYED 130 with a grade of "C" or better or department approval.

In this course the student will receive instruction on the basic techniques of driving, fairway shots, pitching and putting. The class will receive instruction on shot selection that would be utilized in actual competition.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 135 1 HR. (TC)**ARCHERY**

Instruction is given in equipment selection, safety, scoring, and shooting techniques. Students also participate in tournaments in target archery and novelty events.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 136 3 HRS. (TC)**FOUNDATIONS OF HUMAN MOVEMENT**

This is an introduction course for physical education majors looking to transfer to a four-year institution in an exercise science curriculum. This course will review the history of physical education, sport and exercise science, as well as introduce the basic concepts of movement and the professions available in this area.

Lecture Hours: 3 Laboratory Hours: 0

PHYED 138 1 HR. (TC)**LACROSSE: HISTORY AND BASIC SKILLS**

This introductory course begins with a survey of the history of the sport from its North American Indian roots to the current indoor and outdoor (men's and women's) versions. Basic skills include: throwing, catching, cradling, scooping, passing, shooting, and goal tending. Skills will be learned, developed and reinforced through drills, skill contests, and actual game play using modified rules.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 140 1 HR. (TC)**PHYSICAL CONDITIONING**

This course involves utilization of calisthenics, weight training and aerobic activities to promote physical fitness.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 141 1 HR. (TC)**FIGURE FITNESS FOR WOMEN**

This course includes concepts and application of exercise and nutrition toward total fitness.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 142 1 HR. (TC)**PERSONAL DEVELOPMENT AND WEIGHT CONTROL**

This course is a planned program of fitness, exercise, nutrition, diet, relaxation, posture and sports activity for the personal development of each individual.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 143 1 HR. (TC)**SELF-DEFENSE**

This course introduces self-defense in the practical form, as used in possible street confrontations.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 145 1 HR. (TC)**ADVANCED PHYSICAL CONDITIONING**

Prerequisite: PHYED 140 with a grade of "C" or better. This course involves the utilization of calisthenics, weight training and aerobic activities to promote physical fitness.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 146 1 HR. (TC)**GYMNASTICS**

Instruction in fundamental skills on selected apparatus such as the trampoline, mats, balance beam, and on uneven parallel bars is included in gymnastics.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 147 1 HR. (TC)**TAI CHI**

The student is introduced to the basics of Chen style Tai Chi.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 149 1 HR. (TC)**WEIGHT TRAINING**

This course emphasizes concepts and application of Nautilus, or a similar type of equipment, and/or free weights to promote strength and physical fitness.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 150 1 HR. (TC)**BEGINNING SWIMMING**

This course is open to non-swimmers and low beginners. Instruction is given in the fundamental skills of floating, treading water, bobbing, elementary crawlstrokes and the elementary backstroke.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 152 1 HR. (TC)**INTERMEDIATE SWIMMING**

Prerequisite: PHYED 150 with a grade of "C" or better or department approval. This course provides instruction on the front and back crawl, elementary backstroke, sidestroke and breaststroke for improved efficiency. Diving and rescue skills are also included.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 153 1 HR. (TC)**LIFEGUARD TRAINING**

Prerequisite: PHYED 152 with a grade of "C" or better or department approval. This course covers the American Red Cross principles and techniques of lifesaving. Instruction is given in safety, accident prevention, defense mechanisms and ability to assist and rescue others. The Lifeguarding Today Certificate may be earned.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 156 1 HR. (TC)**SCUBA DIVING**

Prerequisite: Some swimming ability needed. This course provides instruction on the care and use of scuba equipment, the underwater environment, decompression tables, and local and ocean diving. Scuba diving skills are taught in an Olympic pool, preparing you for your PADI Open Water certification. Some swimming skills required.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 157 1 HR. (TC)**ADVANCED SCUBA DIVING**

Prerequisite: PHYED 156 with a grade of "C" or better. This course consists of pool and classroom instruction in equipment maintenance, underwater navigation, diving maladies, ocean diving, and other specialty dives. Advanced scuba diving includes five open-water dives and advanced certification.

Lecture Hours: 0.5 Laboratory Hours: 2

PHYED 160 1 HR. (TC)**TENNIS**

This course provides instruction including the rules, strategy and scoring of the game. Students are introduced to the fundamentals of the basic shots and singles and doubles competition.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 161 1 HR. (TC)**ADVANCED TENNIS**

Prerequisite: PHYED 160 with a grade of "C" or better or department approval. This course provides instruction including the rules, singles and doubles strategy and advanced scoring such as the tie-breaker. Students are introduced to advanced strokes and taught to play singles and doubles in an advanced and aggressive manner.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 162 1 HR. (TC)**ADVANCED WEIGHT TRAINING**

Prerequisite: PHYED 149 with a grade of "C" or better. This course includes advanced concepts and application of Nautilus, or a similar type of equipment, and/or free weights to promote strength and physical fitness, plus aerobic exercises.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 166 1 HR. (TC)**WELLNESS/GOLF**

The student will be instructed in basic techniques to develop personal wellness and fitness. Wellness portion of the course will be in the first three meetings.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 167 1 HR. (TC)**WELLNESS/TENNIS**

Students will be instructed in basic techniques to develop personal wellness and fitness, in addition to fundamentals in singles and doubles tennis.

Lecture Hours: 0 Laboratory Hours: 2

PHYED 168 AEROBICS This course will emphasize the utilization of various aerobic techniques to promote physical fitness. The student will receive instruction in the basic concepts and techniques of mixed impact aerobics, step, kickboxing and muscle toning activities in order to develop personal wellness and fitness. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)	PHYED 182 AEROBIC SUPER CIRCUIT FITNESS Prerequisite: PHYED 180 and PHYED 181 both with a grade of "C" or better. This course is a continuation of PHYED 181 and is designed to further the student's understanding of the aerobic concept of fitness and to better develop aerobic performance. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)
PHYED 169 ADVANCED AEROBICS Prerequisite: PHYED 168 with a grade of "C" or better. This course will utilize various aerobic techniques to promote physical fitness. The student will receive advanced instruction in concepts and techniques of mixed impact aerobics, step, kickboxing, aerobic circuit, and muscle toning activities in order to develop an advanced level of wellness and fitness. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)	PHYED 183 AEROBIC SUPER CIRCUIT FITNESS Prerequisite: PHYED 180, 181 and 182, all with a grade of "C" or better. This course is a continuation of PHYED 182 and is designed to further the student's understanding of aerobic fitness, to raise aerobic performance levels and to attain the benefits of regular exercise. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)
PHYED 171 SOCIAL DANCE This course gives instruction in the distinguishing of the various dance tempos. Performance of waltz, foxtrot, polka and current novelty dances, as well as the techniques of leading and following will be included. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)	PHYED 190 SOCCER This course is designed to provide students with an active understanding of the game of soccer. Students will learn the skills necessary to be able to play all of the positions on the field, as well as the technical terms associated with the game. Lecture Hours: 0 Laboratory Hours: 2.5	1 HR. (TC)
PHYED 172 FOLK DANCE Instruction is given in the folk dances of various countries and cultures. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)	PHYED 191 ADVANCED SOCCER Prerequisite: PHYED 190 with a grade of "C" or better. This course is designed to further the students' knowledge of the game of soccer. High-level skills will be taught to the advanced student. Lecture Hours: 0 Laboratory Hours: 2.5	1 HR. (TC)
PHYED 174 SQUARE DANCE This course gives instruction in square dance as an activity in the social setting as danced today throughout the United States. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)	PHYED 200 OFFICIATING OF WOMEN'S SPORT Instruction is provided in officiating techniques for women's sports as designated by the NAGWS in basketball and volleyball. Lecture Hours: 1 Laboratory Hours: 0	1 HR. (TC)
PHYED 175 PRINCIPLES OF TRAINING This course will cover the proper fundamentals and techniques of different styles of fitness training. Techniques of free weight training, circuit training, cross training, and well being (yoga, Pilates, tai chi) will be emphasized. Use and care of cardiovascular equipment will also be covered. Lecture Hours: 2 Laboratory Hours: 2	3 HRS. (TC)	PHYED 203 OFFICIATING OF MEN'S SPORTS This course provides instruction in officiating techniques for men's sports as designated by the IHSA in football, soccer, basketball, baseball and wrestling. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)
PHYED 176 EXERCISE TESTING, PRESCRIPTION, AND DESIGN Prerequisite: PHYED 175 with a grade of "C" or better. This course will instruct students on evaluating clients in the fitness profession. Students will learn the basics of exercise testing and how to evaluate individuals and groups. The students will then use their evaluations to safely and effectively design workout programs for the clients. Students will understand the wide diversity of the clients' physical abilities. Lecture Hours: 3 Laboratory Hours: 1	3 HRS. (TC)	PHYED 205 FITNESS AND WELLNESS This course covers basic fitness and wellness information, aiding the student in making lifestyle choices that can lead to increased health and wellness. Lecture Hours: 2 Laboratory Hours: 0	2 HRS. (TC)
PHYED 180 AEROBIC SUPER CIRCUIT FITNESS This course will introduce the student to an exercise program built around a multi-station aerobic super circuit utilizing weights with multiple repetitions. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)	PHYED 210 SPORT PSYCHOLOGY Prerequisite: PSY 110 with a grade of "C" or better or department approval. This course will provide an overview into the nature of psychology as it applies to sport and leisure activities. Topics that will be discussed include motivation, group dynamics, competition and cooperation, and performance enhancement. Lecture Hours: 3 Laboratory Hours: 0	3 HRS. (TC)
PHYED 181 AEROBIC SUPER CIRCUIT FITNESS Prerequisite: PHYED 180 with a grade of "C" or better. This course is a continuation of PHYED 180 and is designed to further the student's understanding of the aerobic concept of fitness. Lecture Hours: 0 Laboratory Hours: 2	1 HR. (TC)	PHYED 236 SCIENTIFIC BASIS OF HUMAN MOVEMENT Prerequisite: PHYED 136 or department consent. This is a lecture and laboratory course designed for the student interested in obtaining a basic understanding of the physiological, psychological and sociological effects of exercise. Lecture Hours: 2 Laboratory Hours: 1	3 HRS. (TC)

PHYED 276 **3 HRS. (TC)**
PERSONAL TRAINING FIELD EXPERIENCE
 Prerequisite: PHYED 176. This course is designed to prepare the student for work as a personal trainer. The student will work the floor of the fitness center as a personal trainer, designing workouts, performing exercise testing, and leading group fitness classes. The student will be required to perform six hours per week on the fitness floor/group exercise area.
 Lecture Hours: 0 Laboratory Hours: 6

PHYED 277 **1 HR. (TC)**
PHYSICAL EDUCATION TOPICS
 In this course, students will learn about specific topics that pertain to physical education, personal training, and sport management. Such topics could include special population education and training, traditional and new methods of training, management of facilities, and marketing techniques. This course is repeatable up to a maximum of three total credit hours.
 Lecture Hours: 1 - 3 Laboratory Hours: 0

Physical Science

PHYS 090 **3 HRS. (BEC)**
INTRODUCTION TO SCIENTIFIC LITERACY
 This course will facilitate student development of science literacy through the implementation of student/faculty-generated science investigations, utilizing instruction across disciplines in collaboration with faculty members in all departments. This course is intended specifically for students to prepare for transfer level science courses.
 Lecture Hours: 2 Laboratory Hours: 2

PHYS 110 **4 HRS. (TC)**
ENERGY AND ENVIRONMENT (P9 900L)
 Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course provides students not majoring in science with an opportunity to study world energy and environmental problems while learning basic concepts of physical science. It surveys topics of availability of energy resources, storage and consumption of energy, alternate sources of energy, and measurement and management of energy as they relate to our planet's life-support capabilities. Recommended for students who desire to build a background of information useful in keeping abreast of future developments in areas such as construction, transportation, industry, business, agriculture, economics and marketing.
 Lecture Hours: 3 Laboratory Hours: 2

PHYS 114 **4 HRS. (TC)**
INTRODUCTION TO ASTRONOMY (P1 906L)
 Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This course explores the origin and nature of the universe, intergalactic space, and the motion within the celestial sphere. Three lecture and two laboratory hours per week including instruction at the Planetarium and Observatory.
 Lecture Hours: 3 Laboratory Hours: 2

Physical Therapist Assistant

PHTA 100 **0.5 HRS. (OC)**
PHYSICAL THERAPY ORIENTATION
 This course is designed to introduce students to the profession of physical therapy and the role of the physical therapist assistant. Basic physical therapy interventions, such as superficial heat and cold modalities, massage, gait training, and therapeutic exercises will be demonstrated and practiced. This course is repeatable one time.
 Lecture Hours: 0.5 Laboratory Hours: 0

PHTA 111 **5.5 HRS. (OC)**
INTRODUCTION TO PHYSICAL THERAPY INTERVENTIONS
 Prerequisite: Acceptance to Physical Therapist Assistant Program and BIOL 140 or equivalent with a "C" or better grade. This course provides an introduction to data collection skills and physical therapy interventions performed by the physical therapist assistant including: asepsis and sterile technique, vital signs, body mechanics, effects of prolonged immobility, positioning and draping, transfers, bed mobility skills, wheelchair management and skills, gait and assistive devices, superficial heat and cold modalities, hydrotherapy, massage and soft tissue techniques.
 Lecture Hours: 3 Laboratory Hours: 8

PHTA 112 **1.5 HRS. (OC)**
INTRODUCTION TO PHYSICAL THERAPY
 Prerequisite: PHTA 111 with a grade "C" or better. This course provides an introduction to the physical therapy profession, the American Physical Therapy Association, the role of the physical therapist assistant, development of communication skills needed in the clinical setting, review of professional literature, and an introduction to legal and ethical issues in physical therapy.
 Lecture Hours: 1.5 Laboratory Hours: 0

PHTA 114 **2 HRS. (OC)**
FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT I
 Prerequisite: Acceptance to Physical Therapist Assistant Program. This course provides a beginning study of basic physical therapy skills. The emphasis is on asepsis and sterile technique, vital signs, body mechanics, basic positioning and bed mobility skills, wheelchairs, including basic management and mobility, transfer techniques and introduction to the patient chart and SOAP note format.
 Lecture Hours: 1 Laboratory Hours: 3

PHTA 115 **4 HRS. (OC)**
FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT II
 Prerequisite: PHTA 114 and BIOL 140 with a "C" or better, or department approval. This course provides a continuation of the study of basic physical therapy skills. Emphasis is on the use of assistive devices/introduction to normal gait, techniques of draping and positioning for treatment, principles and practices related to use of selected modalities of therapeutic heat and cold, hydrotherapy, ultrasound, therapeutic massage techniques, documentation/SOAP note writing and orientation to clinical practice.
 Lecture Hours: 2 Laboratory Hours: 6

PHTA 116 **5 HRS. (OC)**
ANATOMY AND KINESIOLOGY FOR THE PHYSICAL THERAPIST ASSISTANT
 Prerequisite: Acceptance into the PTA program and BIOL 140 with a grade of "C" or better. This course includes analysis of normal functional movement utilizing principles of biomechanics, kinesiology, musculoskeletal anatomy, and neuromuscular physiology. Students will learn principles of movement, surface palpation of joints and muscles, joint structure and function, and be introduced to passive range of motion, and normal gait.
 Lecture Hours: 2 Laboratory Hours: 9

PHTA 118 **6 HRS. (OC)**
PRINCIPLES OF ORTHOPEDIC REHABILITATION
 Prerequisite: PHTA 111 with a grade "C" or better. This course covers principles and types of therapeutic exercises with a focus on orthopedic conditions, data collection skills, and related physical therapy interventions including: stretching and strengthening exercises, postural dysfunction, mechanical traction, goniometry, manual muscle testing, and an introduction to muscle energy techniques. Documentation of treatment interventions is also covered.
 Lecture Hours: 3.5 Laboratory Hours: 7.5

PHTA 130 1.5 HRS. (OC)**CLINICAL I**

Prerequisite: PHTA 118 with a grade of "C" or better. This course includes an introduction to the clinical setting under direct personal supervision by qualified clinical instructors. Students will participate in and observe a variety of patient care interventions provided in a physical therapy practice setting.

Lecture Hours: 0.5 Laboratory Hours: 8

PHTA 216 4 HRS. (OC)**PRINCIPLE OF THERAPEUTIC MODALITIES**

Prerequisite: PHTA 118 with a grade "C" or better. This course provides an introduction to the principles of electrical current and their effects on the human body. Students will learn about deep thermal agents, light therapy, and electrotherapy modalities. Methods of data collection and documentation of treatment interventions are also covered.

Lecture Hours: 1.5 Laboratory Hours: 6.5

PHTA 218 6 HRS. (OC)**PRINCIPLES OF NEUROLOGICAL REHABILITATION**

Prerequisite: PHTA 216 with a grade "C" or better. This course focuses on common neurological conditions, data collection skills, and related physical therapy interventions for adult and pediatric populations. Students will learn concepts of normal motor development, motor control, balance and sensory assessment, abnormal gait, and rehabilitation treatment approaches.

Documentation of treatment interventions is also covered.

Lecture Hours: 4 Laboratory Hours: 6

PHTA 220 5.5 HRS. (OC)**SPECIAL PATIENT POPULATIONS**

Prerequisite: PHTA 218 with a grade "C" or better. This course provides an overview of physical therapy for special patient populations including conditions related to peripheral vascular disease, cardiopulmonary, amputation and prosthetics, geriatrics, pregnancy, women's and men's health, wound care, burns, other neurological conditions, and oncology. Methods of data collection and documentation of treatment interventions are also covered.

Lecture Hours: 3.5 Laboratory Hours: 5.5

PHTA 222 2.5 HRS. (OC)**MANAGEMENT AND ADMINISTRATION FOR THE PHYSICAL THERAPIST ASSISTANT**

Prerequisite: PHTA 218 with a grade "C" or better. This course incorporates an overview of the organization and administration of a physical therapy practice including legal and ethical issues, evidence-based clinical practice, professional literature, healthcare management, reimbursement and billing, quality improvement, and volunteerism. Students will also learn employment seeking skills including resume development and interview preparation along with life-learning activities and transitioning to the entry-level PTA role. Preparation for the licensure exam will also be covered.

Lecture Hours: 2.5 Laboratory Hours: 0

PHTA 230 2.5 HRS. (OC)**CLINICAL II**

Prerequisite: PHTA 130 with a "C" grade or better. This course is a progression of PHTA 130 in which the student develops the ability to initiate treatment interventions and increase clinical problem solving and understanding of rationale and outcomes. The student will treat more complex patients with continued direct personal supervision by qualified clinical instructors.

Lecture Hours: 0 Laboratory Hours: 16

PHTA 232 3 HRS. (OC)**CLINICAL III**

Prerequisite: PHTA 230 with a "C" grade or better. This course is a progression of PHTA 230 in which the student develops consistent proficiency with all aspects of a full time physical therapist assistant's patient care workload, under general supervision of qualified clinical instructors.

Lecture Hours: 0 Laboratory Hours: 18

PHTA 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters) and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student.

Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Physics**PHYS 104 4 HRS. (OC)****PRE-TECHNICAL PHYSICS**

Prerequisite: A grade of "C" or better in MATH 106 or equivalent. This is a course in elementary physics. It is intended to provide the student with an introduction to scientific units of measure, dimensional analysis, and basic applications of physical principles to the student's technical interests. The topics selected and discussed will be directed toward the student's field of study.

Lecture Hours: 3 Laboratory Hours: 3

PHYS 110 4 HRS. (TC)**FOUNDATIONS OF PHYSICS (P1 901L)**

Prerequisite: Approved reading placement score, or equivalent, and MATH 098 or completion of high school Algebra 2 with a grade of "C" or better or MATH 099 with a grade of "C" or better or appropriate placement score or department approval. This course is an introductory treatment of the study of motion, atomic structure, heat, sound, electricity and light. An attempt is made to relate directly the physical concepts to the major fields of study represented in the class. This course is designed for students in some of the applied science programs as a general education course for students in the non-science transfer programs. This is a foundations course for students strengthening their science background before enrolling in one of the physics sequences.

Lecture Hours: 3 Laboratory Hours: 2

PHYS 112 4 HRS. (OC)**TECHNICAL PHYSICS I**

Prerequisite: A grade of "C" or better in MATH 130 or equivalent. This course covers the basic concepts of mechanics (forces, velocity, acceleration, energy, power); heat and thermodynamics; simple machines; fluid mechanics; and mechanical properties of materials. Mathematics used in computations include algebra, trigonometry, and some basic programming.

Lecture Hours: 3 Laboratory Hours: 3

PHYS 113 4 HRS. (OC)**TECHNICAL PHYSICS II**

Prerequisite: PHYS 112 with a grade of "C" or better. This course covers the advanced concepts of mechanics (impulse, momentum, projectile motion, rotational motion, circular motion, simple harmonic motion); light and optics; electricity; magnetism; solid-state physics; and modern physics (atomic and nuclear physics).

Lecture Hours: 3 Laboratory Hours: 3

PHYS 120 5 HRS. (TC)**GENERAL PHYSICS (P1 900L)**

Prerequisite: Approved reading placement score, or equivalent, and high school or college credit in trigonometry or concurrent enrollment in MATH 120. This course is a study of mechanics and thermodynamics designed for students in the liberal arts.

Lecture Hours: 4 Laboratory Hours: 3

PHYS 121 5 HRS. (TC)**GENERAL PHYSICS**

Prerequisite: PHYS 120 with a grade of "C" or better. This course is a continuation of PHYS 120. The course includes: the study of electricity, magnetism, wave motion, light and modern physics.

Lecture Hours: 4 Laboratory Hours: 3

PHYS 211 4 HRS. (TC)**ENGINEERING PHYSICS: MECHANICS**

Prerequisite: PHYS 110 with a grade of "C" or better, or high school physics, MATH 222 with a grade of "C" or better, and credit or concurrent enrollment in MATH 223. This course is a study of mechanics for students majoring in engineering, mathematics, physics, or chemistry. Topics will include Newton's laws; linear and rotational kinematics, dynamics, and momentum; systems of particles; work and energy, harmonic motion and waves.

Lecture Hours: 3 Laboratory Hours: 3

PHYS 212 4 HRS. (TC)**ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM (PHY 912)**

Prerequisite: A grade of "C" or better in PHYS 211; a grade of "C" or better or concurrent enrollment in MATH 224.

This course is a continuation of PHYS 211 and is a study of electricity, magnetism, and geometric optics for students majoring in engineering, mathematics, physics, or chemistry. Topics will include Coulomb's Law; electric fields and potential; resistance, capacitance, and inductance; DC and AC circuits; magnetic forces and fields; Laws of Gauss, Ampere, and Faraday; Maxwell's equations and electromagnetic waves; geometrical optics and polarization.

Lecture Hours: 3 Laboratory Hours: 3

PHYS 213 2 HRS. (TC)**ENGINEERING PHYSICS: THERMODYNAMICS (EGR 913 PHY 913)**

Prerequisite: A grade of "C" or better in PHYS 212 and MATH 224. This course is a continuation of PHYS 212 and is a study of thermal and fluid physics for students majoring in engineering, mathematics, physics, or chemistry. Topics will include: heat and temperature, kinetic theory of gases, specific and latent heat, heat transfer, first and second laws for thermodynamics, heat engines, fluid statics and dynamics, propagation of sound, universal gravitation.

Lecture Hours: 1.5 Laboratory Hours: 1.5

PHYS 214 2 HRS. (TC)**ENGINEERING PHYSICS: MODERN PHYSICS**

Prerequisite: A grade of "C" or better in PHYS 213; credit with a grade of "C" or better or concurrent enrollment in MATH 250. This course is a continuation of PHYS 213, a study of modern physics for students majoring in engineering, mathematics, physics, or chemistry. Topics include special relativity; interference and diffraction; photons, matter waves, and the uncertainty principle; wave mechanics; atomic structure and potential wells; solid-state physics and conduction; nuclear and elementary particle physics.

Lecture Hours: 1.5 Laboratory Hours: 1.5

Political Science**POLSC 115 3 HRS. (TC)****AMERICAN NATIONAL GOVERNMENT (S5 900)**

Prerequisite: Approved reading placement score, or equivalent. This course presents contemporary American political behavior, government and power relationships at the national level.

Lecture Hours: 3 Laboratory Hours: 0

POLSC 119 3 HRS. (TC)**STATE AND LOCAL GOVERNMENT (S5 902)**

Prerequisite: Approved reading placement score, or equivalent. This course, State and Local Government, is designed to familiarize students with the governance structure at the state and local levels. It is also focused on the decision-making processes at those levels of government and the ways in which these entities interact with the national government. A primary emphasis of the course will be a comparative approach with a view toward understanding policy outcomes at all levels of government. Specific attention will be focused on education, criminal justice, health/welfare, environment, and economic development.

Lecture Hours: 3 Laboratory Hours: 0

POLSC 120 3 HRS. (TC)**POLITICAL METHODS AND CONCEPTS (S5 903)**

Prerequisite: Approved reading placement score, or equivalent. This course will provide a comprehensive introduction to issues and concepts in the discipline of political science, its history and development, its area of inquiry, and sub-fields.

Lecture Hours: 3 Laboratory Hours: 0

POLSC 122 3 HRS. (TC)**INTRODUCTION TO INTERNATIONAL RELATIONS (S5 904)**

Prerequisite: Approved reading placement score, or equivalent. This course is a theoretical approach to questions of international peace, international conflict, the behavior of nations, and the prospects of survival.

Lecture Hours: 3 Laboratory Hours: 0

POLSC 124 3 HRS. (TC)**COMPARATIVE POLITICAL SYSTEMS (S5 905)**

Prerequisite: Approved reading placement score, or equivalent. This course is an investigation of democratic and non-democratic political systems.

Comparisons are made of political cultures, theories, constitutions, citizen participation, party and group influence, governments, and public policies.

Lecture Hours: 3 Laboratory Hours: 0

Practical Nursing**PNRNS 110 9 HRS. (OC)****PRACTICAL NURSING I**

Prerequisite: Acceptance to the Practical Nursing curriculum and concurrently enrolled in BIOL 140 or completion with a grade of "C" or better. This course introduces nursing concepts using the nursing process and nursing interventions to meet basic human needs and adaptation. Emphasis is placed on learning the following concepts: patient-centered care, quality health care, technology and informatics, evidence-based practice, safety, collaboration, leadership, and professionalism. Principles of communication, assessments, basic nutrition, basic pharmacology, role of the practical nurse, scope of practice, ethics, health care law, health care delivery, health disparities, patient education, health promotion and safe medication administration, including accurate measurement and calculation are introduced. Fundamental application of knowledge, development of skills, and growth of professional attitude will be practiced in the lab and clinical settings.

Lecture Hours: 6 Laboratory Hours: 9

PRNRS 111 9 HRS. (OC)**PRACTICAL NURSING II**

Prerequisite: Completion of PRNRS 110 and BIOL 140 with a grade of "C" or better. This course is designed to reinforce concepts introduced in Practical Nursing I, and to develop intermediate and advanced knowledge and skills, focusing on using the nursing process to provide safe, culturally competent, therapeutic nursing care to individuals experiencing specific complex, acute and chronic health conditions. Pharmacological principles and safe medication administration, including accurate dosage calculation will also be reinforced. Emphasis is placed on advancing the role of advocacy and accountability with communication, coordination, prioritization, delegation, and documentation to provide safe and effective nursing care. Incorporating concepts identified in this course, students will apply knowledge and develop skills, and refine professional attitude, in the lab and clinical setting.

Lecture Hours: 6 Laboratory Hours: 9

PRNRS 112 5 HRS. (OC)**PRACTICAL NURSING III**

Prerequisite: PRNRS 111 with a grade of "C" or better. This course places emphasis on care of the expectant family and pediatric patients. Supervised clinical experience in hospital obstetrics and pediatrics departments is included.

Lecture Hours: 3 Laboratory Hours: 6

PRNRS 160 6 HRS. (OC)**MEDICAL CORPSMAN TO PRACTICAL NURSE TRANSITION COURSE**

Prerequisite: Successful completion of the METC Basic Medical Technician Corpsman Program* within the last five years. If more than five years, at least one year of experience using corpsman skills within the last five years, or department approval. This course is designed for Veterans who have completed the Medical Education and Training Campus (METC) Basic Medical Technician Corpsman Program* and seek to earn a practical nurse certificate. The program addresses differences in competencies between the METC Basic Medical Technician Corpsman Program and those of a practical nursing program as delineated in the Illinois Nurse Practice Act. Program components include didactic, clinical and skills validation learning experiences. Upon successful program completion, students will be awarded a practical nurse certificate and may apply to the Illinois Board of Nursing for licensure as a Licensed Practical Nurse by examination NCLEX-PN (National Council Licensing Exam- Practical Nurse). This course is typically offered as an eight week course. *Navy B-300-0010 Hospital Corpsman (HM-0000), Air Force Phase 1 L8AQJ4N031 01AA, Aerospace Medical Service Apprentice Course (4N031)

Lecture Hours: 2 Laboratory Hours: 12

**Professional Development—
Tractor/Trailer Driver Training****PDTTD 110 7 HRS. (OC)****TRUCK DRIVING**

Prerequisite: Department approval. This course is designed to prepare individuals for a career as a commercial driver and leads to a Tractor Trailer Driver Certificate. Students will develop proficiency in operating a vehicle and will study trucking regulations, reporting requirements, map reading and trip planning. Upon successful completion of course work, students will take the Secretary of State Class A Skills Test. Daytime classes begin monthly, and evening classes begin every two months. Usually taught with forty hours of classroom lecture and 120 hours of yard work and behind-the-wheel practice.

Lecture Hours: 3 Laboratory Hours: 7

Psychology**PSY 110 3 HRS. (TC)****INTRODUCTION TO PSYCHOLOGY (S6 900)**

Prerequisite: Approved reading placement score, or equivalent. Psychology is the scientific study of behavior and mental processes. This course will introduce the student to fundamentals of physiological psychology, sensation and perception, learning, emotions and motivation, and psychological disorders and their treatment. The role of research and the scientific method are emphasized throughout the course.

Lecture Hours: 3 Laboratory Hours: 0

PSY 112 3 HRS. (TC)**PERSONALITY**

Prerequisite: PSY 110 with a grade of "C" or better. This course is a comparison of the major theoretical approaches to explaining personality, including its development and relation to adaptive and maladaptive human behavior. The discussion of empirical research and treatment methods will be included.

Lecture Hours: 3 Laboratory Hours: 0

PSY 115 3 HRS. (TC)**PSYCHOLOGY OF GENDER DIFFERENCES**

Prerequisite: PSY 110 with a grade of "C" or better. This course examines the theoretical explanations and research findings dealing with observed sex-related differences in behavior. The relative contributions of biological, psychological, and socialization factors will be examined.

Lecture Hours: 3 Laboratory Hours: 0

PSY 116 1 HR. (TC)**HUMAN POTENTIAL**

This course is designed to help students experience a greater degree of control in their own life, the motivation to change that perceived to need change, and discover what is truly important. Through positive group interaction each participant will increase awareness of self, gain insight into goals, values and motivations, and increase feelings of self-worth. This course is usually taught in eight two-hour sessions.

Lecture Hours: 1 Laboratory Hours: 0

PSY 117 1 HR. (TC)**CONFLICT RESOLUTION - LIFESTYLE PLANNING**

Prerequisite: PSY 116 with a grade of "C" or better. This course emphasizes an advanced phase of the Human Potential experience, the identification and resolution of personal conflicts, and the clarification and affirmation of meaningful lifestyles.

Lecture Hours: 1 Laboratory Hours: 0

PSY 118 3 HRS. (TC)**HUMAN SEXUALITY**

Prerequisite: PSY 110 with a grade of "C" or better or department approval. This course focuses on biological, psychological, and sociological correlates of human sexual behavior. Topics include: anatomy and physiology of the reproductive systems, sexually transmitted diseases, birth control, as well as cross-cultural and historical views, sexual variations, deviations, dysfunctions and gender identity. Some topics are somewhat sensitive and controversial.

Lecture Hours: 3 Laboratory Hours: 0

PSY 127 3 HRS. (OC)**CRISIS MANAGEMENT**

This course emphasizes the identification and resolution of personal and professional conflicts. Cultural issues are considered. Three lecture hours per week for sixteen weeks.

Lecture Hours: 3 Laboratory Hours: 0

PSY 200 **3 HRS. (TC)**
EDUCATIONAL PSYCHOLOGY
 Prerequisite: PSY 110 with a grade of "C" or better or department approval. This course emphasizes the application of psychological principles and research to the learning process. It includes the foundational areas within educational psychology: learning, development, motivation, teaching, assessment, and the emerging influence of neuroscience and cognitive psychology in education.
 Lecture Hours: 3 Laboratory Hours: 0

PSY 202 **3 HRS. (TC)**
CHILD AND ADOLESCENT DEVELOPMENT (S6 903)
 Prerequisite: Approved reading placement score, or equivalent, and PSY 110. This course is a review of research in developmental psychology regarding the physical, perceptual, cognitive, and social development of children and adolescents.
 Lecture Hours: 3 Laboratory Hours: 0

PSY 210 **3 HRS. (TC)**
HUMAN SOCIAL BEHAVIOR (S8 900)
 Prerequisite: Approved reading placement score, or equivalent, and PSY 110 or SOC 110 with a grade of "C" or better. This course will emphasize empirically derived principles of human social behavior. A number of topics will be considered including: attitudes and attitude change; interpersonal attraction; social influence, conformity and obedience; person perception (impression formation); aggression and altruism; group processes and leadership; and prejudice and discrimination. The thrust of the course will be to deal with two questions: (1) What has psychological research shown us about human social behavior (in each of the topical areas mentioned above); and (2) What are the implications of this research for understanding, changing or resisting the change of ourselves, others and society.
 Lecture Hours: 3 Laboratory Hours: 0

PSY 215 **3 HRS. (TC)**
THE DYNAMICS OF ORGANIZATIONAL BEHAVIOR
 Prerequisite: PSY 110 with a grade of "C" or better. This course addresses the theory, research and practical applications of behavior in organizations. Specific topics pertain to understanding self and others at work, creating effective work groups, leadership and management, and effective organizations. Students have the option to apply for a leadership certificate upon completion of additional designated assignments.
 Lecture Hours: 3 Laboratory Hours: 0

PSY 220 **3 HRS. (TC)**
ADULTHOOD AND AGING (S6 905)
 Prerequisite: Approved reading placement score, or equivalent, or PSY 110, SOC 110, or CHILD 120. This course is an examination of the psychological, social and biological influences that affect the human life course from young adulthood to old age. The topics covered may include memory and intellectual functioning, personality and social relationships, physical and emotional health, and life transitions.
 Lecture Hours: 3 Laboratory Hours: 0

PSY 225 **3 HRS. (TC)**
ABNORMAL PSYCHOLOGY
 Prerequisite: PSY 110 with a grade of "C" or better. This course emphasizes the identification and treatment of psychological disorders. Practical applications of the information will be stressed.
 Lecture Hours: 3 Laboratory Hours: 0

PSY 250 **3 HRS. (TC)**
INTRODUCTION TO RESEARCH METHODS IN THE BEHAVIORAL SCIENCES
 Prerequisite: MATH 111 and six hours social science; or department approval. This course is an introduction to research design used in fields of psychology, sociology and education. In addition, topical coverage includes the use of descriptive and inferential statistics. Junior and senior level courses in four-year schools normally require this subject as a prerequisite for advanced study in the social sciences.
 Lecture Hours: 3 Laboratory Hours: 0

Radiography

RADTK 100 **0.5 HRS. (OC)**
EXPOSURE TO RADIOGRAPHY
 This course is designed to introduce students to the medical imaging profession and the role of the radiologic technologist. Basic responsibilities of the radiologic technologist, such as patient interaction and procedures, basic radiation protection measures, and general image evaluation skills will be demonstrated and practiced.
 Lecture Hours: 0.5 Laboratory Hours: 0

RADTK 110 **6 HRS. (OC)**
FUNDAMENTALS OF RADIOGRAPHY I
 Prerequisite: Acceptance to Radiography Program. Content is designed to introduce students to radiography and the role of the radiographer as a member of the health care team. Students become familiar with procedures to be followed when working with ionizing radiation and concepts of patient care. Anatomy and terminology of body systems related to the performance of imaging procedures of the chest, abdomen, GI tract, and upper extremity are also presented, with emphasis on positioning and image analysis. This course also provides a fundamental background in ethics and introduction to legal principles and professional standards.
 Lecture Hours: 6 Laboratory Hours: 0

RADTK 112 **1 HR. (OC)**
FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE ORIENTATION
 Prerequisite: Acceptance to Radiographer Program. This course provides participation in supervised clinical experience in a hospital medical imaging department.
 Lecture Hours: 0 Laboratory Hours: 8

RADTK 120 **6 HRS. (OC)**
FUNDAMENTALS OF RADIOGRAPHY II
 Prerequisite: RADTK 110 with a grade of "C" or better and RADTK 112 with a grade of "S". This course covers the anatomy and terminology of the lower extremity, bony thorax, shoulder girdle, pelvic girdle, and vertebral column, with emphasis on radiographic positioning and image analysis. Atomic structure, nature and characteristics of radiation, x-ray production, photon interactions with matter and factors affecting emission spectra are also presented.
 Lecture Hours: 6 Laboratory Hours: 0

RADTK 121 **3 HRS. (OC)**
FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE I
 Prerequisite: RADTK 110 with a grade of "C" or better and RADTK 112 with a grade of "S". This course provides participation in supervised clinical experience in a hospital medical imaging department.
 Lecture Hours: 0 Laboratory Hours: 24

RADTK 150 1 HR. (OC)
BASIC PRINCIPLES OF COMPUTED TOMOGRAPHY
 Prerequisite: Concurrent enrollment in RADTK 200. This course provides entry-level radiography students with principles related to computed tomography (CT) imaging.
 Lecture Hours: 1 Laboratory Hours: 0

RADTK 200 3 HRS. (OC)
RADIOGRAPHY I
 Prerequisite: RADTK 120 with a grade of "C" or better and RADTK 121 with a grade of "S". This course is designed to provide an understanding of the principles and operation of digital imaging systems found in diagnostic radiology. Factors that impact image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors, evaluating images, and principles of digital quality assurance and maintenance are presented. Content also establishes a knowledge base in radiographic, fluoroscopic, and mobile equipment requirements and design, and associated quality management criteria.
 Lecture Hours: 3 Laboratory Hours: 0

RADTK 201 2 HRS. (OC)
FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE II
 Prerequisite: RADTK 120 with a grade of "C" or better and RADTK 121 with a grade of "S". This course provides participation in supervised clinical experience in a hospital medical imaging department.
 Lecture Hours: 0 Laboratory Hours: 14

RADTK 210 6 HRS. (OC)
RADIOGRAPHY II
 Prerequisite: RADTK 200 with a grade of "C" or better and RADTK 201 with a grade of "S". This course covers anatomy and terminology related to the performance of radiography of the cranium, circulatory, central nervous, urinary, and reproductive systems, with emphasis on positioning and image analysis. The principles of radiation protection including the responsibilities of the radiographer for patients, personnel, and the public are presented. Radiation effects on molecules, cells, tissues, and the body as a whole are discussed.
 Lecture Hours: 6 Laboratory Hours: 0

RADTK 211 3 HRS. (OC)
RADIOGRAPHY, DIRECTED PRACTICE III
 Prerequisite: RADTK 200 with a grade of "C" or better and RADTK 201 with a grade of "S". This course provides participation in supervised clinical experience in a hospital medical imaging department.
 Lecture Hours: 0 Laboratory Hours: 24

RADTK 220 3 HRS. (OC)
RADIOGRAPHY III
 Prerequisite: RADTK 210 and RADTK 260 with a grade of "C" or better and RADTK 211 with a grade of "S". This course is designed to provide a knowledge base necessary to perform imaging procedures of the circulatory, lymphatic, biliary, urinary, central nervous, and reproductive systems, and other special studies with emphasis on related pharmacology, equipment, and image analysis. Additional imaging modalities will also be presented and explored.
 Lecture Hours: 3 Laboratory Hours: 0

RADTK 221 3 HRS. (OC)
RADIOGRAPHY, DIRECTED PRACTICE IV
 Prerequisite: RADTK 210 and RADTK 260 with a grade of "C" or better and RADTK 211 with a grade of "S". This course provides participation in supervised clinical experience in a hospital medical imaging department.
 Lecture Hours: 0 Laboratory Hours: 24

RADTK 230 2 HRS. (OC)
RADIOGRAPHY IV
 Prerequisite: RADTK 220 with a grade of "C" or better and RADTK 221 with a grade of "S". This course enhances students' knowledge and understanding of current trends and issues related to the radiologic sciences. It also serves as a comprehensive review for the national certification examination.
 Lecture Hours: 2 Laboratory Hours: 0

RADTK 231 2 HRS. (OC)
RADIOGRAPHY, DIRECTED PRACTICE V
 Prerequisite: RADTK 270, and 280 with a grade of "C" or better and RADTK 221 with a grade of "S". This course provides participation in supervised clinical experience in a hospital medical imaging department.
 Lecture Hours: 0 Laboratory Hours: 14

RADTK 255 1 HR. (OC)
INDEPENDENT STUDY
 Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit. Three to fifteen laboratory hours per week or equivalent.
 Lecture Hours: 0 Laboratory Hours: 3 - 15

RADTK 260 3 HRS. (OC)
SECTIONAL ANATOMY FOR DIAGNOSTIC IMAGING
 Prerequisite: RADTK 200 with a "C" or better and RADTK 201 with a grade of "S" or department approval. This course is a study of human anatomy in sectional planes visualized in computed tomography (CT), magnetic resonance imaging (MR), and ultrasound. Emphasis is on anatomy of the head, neck, spine, thorax, abdomen, pelvis, and musculoskeletal system with comparison of planar anatomy to sectional anatomy.
 Lecture Hours: 3 Laboratory Hours: 0

RADTK 270 3 HRS. (OC)
PATHOLOGY AND PHARMACOLOGY FOR THE IMAGING PROFESSIONAL
 Prerequisite: RADTK 210 and 260 with a grade of "C" or better and RADTK 211 with a grade of "S" or department approval. This course is designed to provide an understanding of common pathologic conditions and disease processes. Each disease or traumatic process is studied based on its description, etiology, symptoms, and diagnosis with its appearance on images in radiography, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Nuclear Medicine and Sonography as applicable. Basic concepts of pharmacology as well as techniques of venipuncture and administration of diagnostic contrast agents are also included.
 Lecture Hours: 3 Laboratory Hours: 0

RADTK 280 3 HRS. (OC)
COMPUTED TOMOGRAPHY PRINCIPLES, INSTRUMENTATION AND IMAGING PROCEDURES
 Prerequisite: RADTK 210 and 260 with a grade of "C" or better and RADTK 211 with a grade of "S" or department approval. This course is designed to provide an understanding of the Computed Tomography (CT) system including: operation and components, data acquisition and display, image quality, artifact production and reduction, quality control standards and radiation safety and dosimetry. CT chest, abdomen, pelvis, spine, extremities, and CT/Nuclear Medicine imaging procedures will also be presented.
 Lecture Hours: 3 Laboratory Hours: 0

RADTK 285 3 HRS. (OC)**COMPUTED TOMOGRAPHY PRACTICUM**

Prerequisite: Graduate of an accredited imaging program and hold a current ARRT certification in Radiography, Radiation Therapy, or Nuclear Medicine (registration with NMTCB is also accepted) and maintain a current license in medical radiation technology from the Illinois Emergency Management Agency (IEMA), Department of Nuclear Safety; Department approval. This course emphasizes the practical aspects of Computed Tomography (CT) through clinical practice including patient positioning, care and handling, as well as scanning protocols for the head, neck, spine, chest, abdomen, pelvis and musculoskeletal system. Supervised performance in an approved hospital and/or imaging center also emphasizes the practical aspects of the equipment and the clinical applications of CT.

Lecture Hours: 0 Laboratory Hours: 24

RADTK 286 4 HRS. (OC)**ADVANCED DIAGNOSTIC IMAGING PRACTICUM**

Prerequisite: Graduate of an accredited imaging program and hold current ARRT certification in Radiography. Department approval. This course emphasizes the practical aspects of specific imaging modalities through supervised performance in an approved hospital and/or imaging center. The imaging modalities available are: Magnetic Resonance Imaging, Mammography, Cardiac Interventional Radiography, and Vascular Interventional Radiography. In addition, this course is designed to meet the clinical competency requirements of the American Registry of Radiologic Technologists (ARRT).

Lecture Hours: 0 Laboratory Hours: 24

RADTK 290 2 HRS. (OC)**COMPUTED TOMOGRAPHY REVIEW**

Prerequisite: Graduate of an accredited imaging program and hold a current ARRT certification in Radiography, Radiation Therapy, or Nuclear Medicine (registration with NMTCB is also accepted); Department approval. This course is designed to provide entry level and experienced Computed Tomography (CT) students with a review of elementary and advanced principles and practices related to CT imaging. Advanced elements include, but are not limited to: patient care and safety, contrast administration, radiation dosimetry, imaging procedures and physics and instrumentation. This course will also assist the student to prepare for the American Registry of Radiologic Technologists (ARRT) Computed Tomography Certification Examination.

Lecture Hours: 2 Laboratory Hours: 0

Refrigeration and Air Conditioning**REACT 110 4 HRS. (OC)****INTRODUCTION TO REFRIGERATION**

This course studies the fundamentals of the refrigeration system. Emphasis is on operation of the compressor, condenser, evaporator, metering device, brazing refrigerant lines, system installation techniques, and refrigerant evacuation, recovery, and charging techniques. The course is also designed to prepare students to take the Environmental Protection Agency Exams (EPA-608).

Lecture Hours: 3 Laboratory Hours: 3

REACT 112 4 HRS. (OC)**RESIDENTIAL AIR CONDITIONING**

Prerequisite: REACT 110 and REACT 118 with a grade of "C" or better or concurrent enrollment or departmental approval. This course is a continuation of REACT 110 and covers more depth of the refrigeration system in residential air conditioning systems. It also covers basic cycle controls, refrigerant characteristics, piping, installation procedures, and accessories, troubleshooting and repairing residential air conditioning systems.

Lecture Hours: 3 Laboratory Hours: 3

REACT 118 4 HRS. (OC)**ELECTRICITY AS IT APPLIES TO HVAC/R**

Prerequisite: REACT 110 with a grade of "C" or better or concurrent enrollment or department approval. This course studies the principles of electricity as it applies to air conditioning and refrigeration. Emphasis is on wiring diagram symbols, proper use of electric multi-meters, alternating current fundamentals, direct current fundamentals, and single-phase motor theory.

Lecture Hours: 3 Laboratory Hours: 3

REACT 119 2 HRS. (OC)**SHEET METAL FOR HVAC/R**

Prerequisite: REACT 110, with a grade of "C" or better; or concurrent enrollment; or department approval. In this course, the student will learn the principles of sheet metal as it applies to air conditioning and refrigeration.

Lecture Hours: 1 Laboratory Hours: 3

REACT 120 4 HRS. (OC)**RESIDENTIAL FURNACES**

Prerequisite: REACT 118, with a grade of "C" or better, or concurrent enrollment; or department approval. This course develops the skills needed for the basic installation of furnaces and to understand basic wiring diagrams and sequences of operation. This course also includes hands-on experience in installing, troubleshooting, and repairing of residential forced air furnaces.

Lecture Hours: 3 Laboratory Hours: 3

REACT 121 4 HRS. (OC)**HEAT PUMPS AND GEOTHERMAL**

Prerequisite: REACT 112 and REACT 120 with a grade of "C" or better. This course develops the skills needed for hands-on experience in servicing and repairing heat pumps, geothermal systems, and electric air handlers.

Lecture Hours: 3 Laboratory Hours: 3

REACT 122 4 HRS. (OC)**RESIDENTIAL HYDRONIC SYSTEMS**

Prerequisite: REACT 121 with a grade of "C" or better or department approval. This course develops the skills needed to understand wiring diagrams, piping diagrams, sequence of operation, and hands-on experience in repairing of residential hydronic systems.

Lecture Hours: 3 Laboratory Hours: 3

REACT 130 4 HRS. (OC)**LIGHT COMMERCIAL REFRIGERATION**

Prerequisite: REACT 112 with a grade of "C" or better. This course includes the study of equipment that is used in medium and low temperature applications. Special attention is given to sizing systems, metering devices, controls, electrical schematics and troubleshooting.

Lecture Hours: 3 Laboratory Hours: 3

REACT 131 4 HRS. (OC)**COMMERCIAL REFRIGERATION AND ICE MACHINES**

Prerequisite: REACT 130 with a grade of "C" or better or concurrent enrollment. This course covers electrical installation diagrams and electrical wiring diagrams. Emphases are placed on the use and reading of schematics of ice machines, reach-in coolers, walk-in coolers, reach-in freezers, walk-in freezers, and supermarket refrigeration systems.

Lecture Hours: 3 Laboratory Hours: 3

REACT 139 1 HR. (OC)**RESIDENTIAL SYSTEMS INSTALLATION**

Prerequisite: REACT 110, REACT 118, REACT 119, and REACT 120 with a "C" or better or concurrent enrollment. This course will require the student to install residential heating and cooling systems that comply with manufacturing specifications and meet municipal code.

Lecture Hours: 0 Laboratory Hours: 3

REACT 141 1 HR. (OC)**TOPICS IN HVAC/R INDUSTRY**

Prerequisite: Departmental approval. This course delves into specific topics of the HVAC/R industry. The topics will be dealing with the most up to date changes and effects on the industry.

Lecture Hours: 1 - 5 Laboratory Hours: 0

REACT 211 4 HRS. (OC)**RESIDENTIAL EQUIPMENT DESIGN I**

Prerequisite: ARCTK 119 with a grade of "C" or better, or department approval. This course includes an introduction to psychometric charts, air flow, air distribution, the selection and sizing of equipment and room airflow requirements. With the primary focus on residential heat load and heat gain calculations.

Lecture Hours: 3 Laboratory Hours: 2

REACT 213 4 HRS. (OC)**RESIDENTIAL EQUIPMENT DESIGN II**

Prerequisite: REACT 211 with a grade of "C" or better. This course is a continuation of REACT 211. The student will learn to design residential heating, cooling, and forced air duct systems, supply diffuser sizes, and return grill sizes based on a residential dwelling heat loss/gain capacity.

Lecture Hours: 3 Laboratory Hours: 2

REACT 219 2 HRS. (OC)**DUCT FABRICATION**

Prerequisite: REACT 119 with a grade of "C" or better. In this course, students will gain skills in creating sheet metal developments that will be formed to make transitions in heating and cooling systems. Manufacturer's installation specifications will be followed as students learn to design and build solutions that result in a safe and properly functioning residential heating and/or cooling system.

Lecture Hours: 1 Laboratory Hours: 3

REACT 220 2 HRS. (OC)**BALANCING AND TESTING HVAC SYSTEMS**

Prerequisite: REACT 122 with a grade of "C" or better, or concurrent enrollment, or department approval. In this course, the student will learn the process of commissioning hydronic and forced air HVAC systems for residential and light commercial structures.

Lecture Hours: 1 Laboratory Hours: 3

REACT 237 1 HR. (OC)**OCCUPATION INTERNSHIP I**

Prerequisite: Department approval. This course will provide the student majoring in Refrigeration, Heating and Air-Conditioning and/or Home Performance Technology with valuable on-the-job training working with service technicians, engineers, and/or energy auditors.

Lecture Hours: 0 Laboratory Hours: 5

REACT 238 1 HR. (OC)**OCCUPATION INTERNSHIP II**

Prerequisite: Department approval. This course will provide the student majoring in Refrigeration, Heating and Air-Conditioning and/or Home Performance Technology with valuable on-the-job training working with service technicians, engineers, and/or energy auditors.

Lecture Hours: 0 Laboratory Hours: 5

Registered Nursing**RNRS 110** 6 HRS. (OC)
NURSING I

Prerequisite: Acceptance to the Registered Nursing curriculum and concurrently enrolled in RNRS 210, BIOL 205 and RNRS 150 or completion with a grade of "C" or better. This course is the study of nursing concepts to meet patient's basic needs. The emphasis is on human adaptation and the acquisition of skills and knowledge fundamental to the care of all patients. Clinical experiences assist the student to begin assessing the patients, utilizing nursing diagnosis, identifying measurable patient outcomes, developing nursing interventions with focus on the physiological mode.

Lecture Hours: 4 Laboratory Hours: 6

RNRS 111 2 HRS. (OC)
PHARMACOLOGY FOR NURSES

Prerequisite: Concurrently enrolled in RNRS 120 or department approval. This course is a study of current pharmacological concepts using a clinical approach. Principles of drug action in relation to the nurse's responsibilities in patient care are emphasized.

Lecture Hours: 2 Laboratory Hours: 0

RNRS 116 2 HRS. (OC)
INTRODUCTION TO CONCEPTS FOR NURSING PRACTICE

Prerequisite: Concurrently enrolled in RNRS 117.

This course introduces the concepts for nursing practice by utilizing concept diagrams to organize the concepts, influencing concepts, and exemplars within the three domains: health care recipient (individual) concepts, health and illness concepts, and professional nursing and health care concepts to develop each student in the role of the professional nurse. Emphasis will be placed on nursing attributes and roles: professional identity, clinical judgment, leadership, ethics, patient education, and health promotion; including care competencies: communication, collaboration, safety, technology and informatics, evidence, and health care quality. Students will be introduced to health care delivery, health disparities, health care organizations, health care economics, and health care law. Students will explore and apply concepts for nursing practice to specific exemplars creating opportunity to begin to develop the student in the role of the professional nurse.

Lecture Hours: 2 Laboratory Hours: 0

RNRS 117 9 HRS. (OC)
NURSING PRACTICE CONCEPTS I

Prerequisite: Acceptance to the Registered Nursing program and concurrently enrolled in RNRS 116, and BIOL 205 or completion with a grade of "C" or better.

This course introduces the concepts within the three domains: health care recipient (individual) concepts, health and illness concepts, and professional nursing and healthcare concepts focusing on using the nursing process and interventions to meet basic human needs across the lifespan. Emphasis is placed on the concepts within each domain including patient-centered care, health care quality, technology and informatics, evidence-based practice, safety, collaboration, leadership, and professionalism. Students will be introduced to principles of: communication, assessments, basic nutrition, pharmacology, scope of practice, code of ethics, and safe medication administration, including accurate measurement and calculation. Students will develop the fundamental knowledge, skills, and attitudes in the lab and clinical setting to be able to provide safe nursing care incorporating the concepts identified in this course.

Lecture Hours: 6 Laboratory Hours: 9

RNRS 118 9 HRS. (OC)**NURSING PRACTICE CONCEPTS II**

Prerequisite: Completion of RNRS 116, RNRS 117, and BIOL 205 with a grade of "C" or better; and concurrently enrolled in BIOL 206 or completion with a grade of "C" or better. This course is designed to further develop the concepts within the three domains: health care recipient (individual), health and illness concepts, and professional nursing and health care concepts focusing on using the nursing process, prioritization and delegation skills to provide safe, culturally competent, therapeutic nursing care to individuals across the lifespan with common and acute health alterations. Emphasis is placed on concepts within each domain including health-illness-wellness, communication, documentation, care coordination, safety, patient education, health promotion, advocacy, health care law, health care quality, ethics, accountability, and evidence-based practice. Student will learn advanced pharmacological principles and safe medication administration, including accurate measurement and calculation of parenteral medications. Students will develop the intermediate knowledge, skills, and attitudes in the lab and clinical setting to be able to provide safe nursing care incorporating the concepts identified in this course.

Lecture Hours: 6 Laboratory Hours: 9

RNRS 120 6 HRS. (OC)
NURSING II

Prerequisite: RNRS 110, RNRS 210, RNRS 150 and BIOL 205 all with a grade of "C" or better. This course builds upon the concepts introduced in Nursing I and expands these concepts through the use of the nursing process in providing care to patients with medical health problems and to the expectant family.

Lecture Hours: 4 Laboratory Hours: 6

RNRS 125 2 HRS. (OC)
NURSING: LPN to RN TRANSITION

Prerequisite: Graduate from a state-approved Practical Nursing Program within the last five years or achieve minimal competency on the HESI PN to ADN Mobility Exam; valid Illinois Licensed Practical Nurse (LPN) license; currently employed full time or equivalent as an LPN, or department approval; CPR certified; one year of high school chemistry, or equivalent, or completion of CHEM 115 with grade "C" or better; must have completed required program and general education courses of BIOL 205, BIOL 206, BIOL 210, RNRS 150, RNRS 111, and RNRS 210 with a grade of "C" or better; must have completed required program and general education courses of PSY 110, SOC 110, FCS 110, ENGL 110, ENGL 111 or COMM 110, HLTH 121; Humanities: 3 semester hours with a grade of "C" or better; GPA 2.5.

This course is designed to orient the licensed practical nurse for admission into the second year of the Associate Degree Nursing Program. Emphasis is placed on role changes from practical nurse to professional registered nurse, nursing process, and nursing care planning. Critical thinking skills and effective communication will also be discussed. Students will receive clinical experience working with medical-surgical patients.

Lecture Hours: 1 Laboratory Hours: 3

RNRS 150 1 HR. (OC)
PRINCIPLES OF SAFE MEDICATION ADMINISTRATION

Prerequisite: Enrollment in nursing program or department approval. One year of high school algebra or MATH 094 with a grade of "C" or better or math placement into MATH 098.

This course will study problem solving related to preparation of and safe administration of oral and parenteral medications for all patient populations. Emphasis will be placed on calculating correct medication dosages, using conversions with units of measure, determining correct quantities, reconstituting and diluting preparations. A lab component will provide practice with medication calculations, conversions, various preparations, and use of syringes to administer medications safely.

Lecture Hours: 1 Laboratory Hours: 0.5

RNRS 200 4 HRS. (OC)**NURSING INTERNSHIP**

Prerequisite: RNRS 120 with a grade of "C" or better. The Nursing Internship is an optional, elective course which will provide nursing students with the opportunity to continue to explore the scope of nursing practice. The course will provide the student with theory and clinical experiences to strengthen nursing knowledge and skills gained within the first year of the nursing program.

Lecture Hours: 1 Laboratory Hours: 8

RNRS 210 2 HRS. (OC)
HEALTH ASSESSMENT OF THE ADULT PATIENT

Prerequisite: Concurrently enrolled in RNRS 110 or department approval. This course is designed to assist the student to develop or improve his or her assessment skills. Using the techniques of history taking, inspection, palpation, percussion, and auscultation, the student will be able to complete a head-to-toe physical assessment of the adult patient. Emphasis is also placed on proper recording of assessed findings.

Lecture Hours: 2 Laboratory Hours: 1

RNRS 216 9 HRS. (OC)
NURSING PRACTICE CONCEPTS III

Prerequisite: Completion of RNRS 118 and BIOL 206 with a grade of "C" or better; concurrently enrolled in BIOL 210 or completion with a grade of "C" or better. This course is designed to further develop the concepts within the three domains: health care recipient (individual) concepts, health and illness concepts, and professional nursing and health care concepts focusing on using clinical judgment and delegation skills to provide safe, culturally competent, therapeutic nursing care to individuals across the lifespan with specific complex, acute and chronic health alterations. Emphasis is placed on concepts within each domain including professional development, ethics, leadership, safety, care coordination, caregiving, palliative care, evidence, and health care quality. Students will learn advanced safe, intravenous medication administration and pharmacological principles. Students will develop advanced knowledge, skills, and attitudes in the lab and clinical setting to be able to provide safe nursing care incorporating the concepts identified in this course.

Lecture Hours: 6 Laboratory Hours: 9

RNRS 217 9 HRS. (OC)
COMPLEX NURSING PRACTICE CONCEPTS IV

Prerequisite: Completion of RNRS 216 and BIOL 210 with a grade of "C" or better; concurrently enrolled in RNRS 218. This course is designed to assimilate the concepts within the three domains of the health care recipient (individual), health and illness, and professional nursing and health care concepts. Emphasis is placed on providing safe, culturally competent, therapeutic nursing care to individuals across the lifespan with complex alterations in health. Focusing on clinical judgment, leadership, communication, collaboration, health care quality, safety, care coordination, and health policy. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry-level nursing care.

Lecture Hours: 6 Laboratory Hours: 9

RNRS 218 2 HRS. (OC)**CONCEPTS FOR NURSING PRACTICE CAPSTONE**

Prerequisite: Concurrently enrolled in RNRS 217. This course is designed to prepare the nursing student to transition to professional nursing practice. This course will focus on professional nursing and health care concepts that will further develop the student for role of professional nurse. Emphasis will be on professional development, leadership, evidence, health care quality, care coordination, and health policy. This course will focus on preparation for NCLEX-RN licensing examination by reviewing concepts for nursing practice, NCLEX-RN test plan, assessment of knowledge deficits, and development of individual success strategy plans based on results of previous specialty HESI exams and HESI comprehensive exit exam. The application of NCLEX principles and concepts will be utilized preparing the student for success on NCLEX. Apply knowledge, skills and attitudes learned throughout the curriculum and demonstrate understanding of critical concepts required for entry level into professional nursing.

Lecture Hours: 2 Laboratory Hours: 0

RNRS 220 10 HRS. (OC)
NURSING III

Prerequisite: RNRS 111, RNRS 120, BIOL 205 and BIOL 206 with a grade of "C" or better; and concurrently enrolled in BIOL 210 or completion with a grade of "C" or better. This course focuses on the study of utilizing the nursing process as a framework to provide nursing care to patients with behavioral and complex health problems.

Lecture Hours: 6 Laboratory Hours: 12

RNRS 221 10 HRS. (OC)
NURSING IV

Prerequisite: RNRS 220, BIOL 205, BIOL 206 and BIOL 210 with a grade of "C" or better; and concurrently enrolled in RNRS 222. This course focuses on the study of utilizing the nursing process as a framework to provide nursing care to surgical, oncology, orthopedic, and pediatric patients. Managing the holistic needs of patients is emphasized.

Lecture Hours: 5 Laboratory Hours: 15 or equivalent

RNRS 222 2 HRS. (OC)
NURSING MANAGEMENT AND LEADERSHIP

Prerequisite: RNRS 220 with a grade of "C" or better and concurrently enrolled in RNRS 221. This course is designed to prepare the nursing student to transition to professional nursing practice. This course will focus on professional nursing and health care concepts that will further develop the student for role of professional nurse. Emphasis will be on professional development, leadership, evidence, health care quality, care coordination, and health policy. This course will focus on preparation for NCLEX-RN licensing examination by reviewing concepts for nursing practice, NCLEX-RN test plan, assessment of knowledge deficits, and development of individual success strategy plans based on results of previous specialty HESI exams and HESI comprehensive exit exam. The application of NCLEX principles and concepts will be utilized preparing the student for success on NCLEX. Apply knowledge, skills and attitudes learned throughout the curriculum and demonstrate understanding of critical concepts required for entry level into professional nursing.

Lecture Hours: 2 Laboratory Hours: 0

RNRS 255 1 HR. (OC)
INDEPENDENT STUDY

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Respiratory Care**RESP 110 1 HR. (OC)****INTRODUCTION TO RESPIRATORY CARE**

Prerequisite: Admission to the Respiratory Therapist Program or department approval. This course is an introduction to the respiratory care profession and the organization of the service in the acute hospital setting. Legal and ethical principles will be discussed. Workplace skills and professionalism will be emphasized.

Lecture Hours: 0.5 Laboratory Hours: 1.5

RESP 112 4 HRS. (OC)**FUNDAMENTALS OF RESPIRATORY CARE I**

Prerequisite: Admission to the Respiratory Therapist Program. A beginning study of the elementary techniques used in respiratory care are covered and practiced. Included in this course are hyperinflation therapy, chest physiotherapy, medical gas therapy, aerosol therapy, humidity therapy, gas cylinders and regulators, and basic sciences for respiratory care.

Lecture Hours: 3 Laboratory Hours: 3

RESP 115 3 HRS. (OC)**RESPIRATORY CARE PRACTICUM I**

Prerequisite: Admission to the Respiratory Therapist Program or department approval. This course includes an orientation to the hospital and an introduction to medical terminology and specific respiratory care techniques and basic health skills in a laboratory setting. Students will observe and perform respiratory care techniques in a supervised clinical setting. Sixteen laboratory or supervised practice hours per week.

Lecture Hours: 0 Laboratory Hours: 16

RESP 121 5 HRS. (OC)**FUNDAMENTALS OF RESPIRATORY CARE II**

Prerequisite: RESP 110, RESP 112, RESP 115, and RESP 122 with a grade of "C" or better. This course is a continuation of RESP 112. Included in this course are pulmonary function testing, blood gas analysis and interpretation, airway management, and basic mechanical ventilation concepts.

Lecture Hours: 4 Laboratory Hours: 3

RESP 122 2 HRS. (OC)**CARDIOPULMONARY ANATOMY AND PHYSIOLOGY**

Prerequisite: Admission to the Respiratory Therapist Program or department approval. This course gives instruction in the structure and function of the normal cardiopulmonary, vascular and renal anatomy. Mechanics of ventilation, respiration, gas transport, and neurologic control of ventilation will be stressed.

Lecture Hours: 2 Laboratory Hours: 0

RESP 123 2 HRS. (OC)**PHARMACOLOGY FOR RESPIRATORY CARE**

Prerequisite: RESP 110, RESP 112, RESP 115, and RESP 122 with a grade of "C" or better or department approval. This course is an introduction to the study of drugs, their properties, and classifications. Emphasis will be placed on the types of medication used in respiratory care. Also included is microbiology and sterilization techniques for respiratory care.

Lecture Hours: 2 Laboratory Hours: 0

RESP 125 3 HRS. (OC)**RESPIRATORY CARE PRACTICUM II**

Prerequisite: RESP 110, RESP 112, RESP 115, and RESP 122 all with a grade of "C" or better. This course is a continuation of RESP 115 including supervised experience in the administration of respiratory care.

Lecture Hours: 0 Laboratory Hours: 16

RESP 127 3 HRS. (OC)**CARDIOPULMONARY DISEASES**

Prerequisite: RESP 110, RESP 112, RESP 115, and RESP 122 all with a grade of "C" or better or department approval. This course is an introduction to the study of disease with an emphasis on cardiopulmonary disorders: their etiology, pathophysiology, diagnosis, and treatment.

Lecture Hours: 2 Laboratory Hours: 2

RESP 201 1 HR. (OC)**INTRODUCTION TO MECHANICAL VENTILATION**

Prerequisite: RESP 121 and RESP 125 with a grade of "C" or better. This course is designed to introduce the respiratory therapist student to intermediate concepts of mechanical ventilation. Emphasis will be on theory and application, measurement of airway resistance, lung/thorax compliance, and guidelines for correct ventilator-patient interface.

Lecture Hours: 0.5 Laboratory Hours: 1.5

RESP 210 5 HRS. (OC)**FUNDAMENTALS OF RESPIRATORY CARE III**

Prerequisite: RESP 121, RESP 123, and RESP 127 and BIOL 140 or BIOL 205, all with a grade of "C" or better. This course is a continuation of RESP 121 including pulmonary rehabilitation, invasive monitoring, non-invasive monitoring, special respiratory procedures, and advanced mechanical ventilation concepts.

Lecture Hours: 4 Laboratory Hours: 3

RESP 220 3 HRS. (OC)**RESPIRATORY CARE PRACTICUM III**

Prerequisite: RESP 121, RESP 123, and RESP 127 all with a grade of "C" or better. This course is a continuation of RESP 125 including clinical experience in the administration of respiratory care in local respiratory care departments. Emphasis is on adult critical care procedures. Supervision will be provided by qualified respiratory personnel.

Lecture Hours: 0 Laboratory Hours: 16

RESP 231 4 HRS. (OC)**FUNDAMENTALS OF RESPIRATORY CARE IV**

Prerequisite: RESP 210 and RESP 220 both with a grade of a "C" or better. This course is a continuation of advanced respiratory care procedures. Emphasis is placed on neonatal, pediatric, and critical respiratory care. Also included are advanced physiology and review for national boards.

Lecture Hours: 3 Laboratory Hours: 3

RESP 235 3 HRS. (OC)**RESPIRATORY CARE PRACTICUM IV**

Prerequisite: RESP 210 and RESP 220 both with a grade of "C" or better. This course is a continuation of RESP 220 including clinical experience in the administration of respiratory care in local respiratory care departments. Emphasis is on adult, pediatric, and neonatal critical care procedures. Supervision will be provided by qualified respiratory personnel.

Lecture Hours: 0 Laboratory Hours: 16

RESP 240 1 HR. (OC)**RESPIRATORY THERAPY CAPSTONE**

Prerequisite: RESP 210 and RESP 220 both with a grade of "C" or better or department approval. This course explores the matrices of the National Board for Respiratory Care advanced practice examinations. The review and analysis of the essential components of the respiratory care competencies are presented in a lecture/computer simulation format.

Lecture Hours: 0.5 Laboratory Hours: 1.5

RESP 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the student the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit. Three to fifteen laboratory hours per week or equivalent.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Social Science**SSC 111 3 HRS. (TC)****AMERICANS AND THEIR CULTURE (\$9 900)**

Prerequisite: Approved reading placement score, or equivalent. This course is an analytical approach toward understanding the dynamics and the relationships of the individual, society, and culture, with emphasis on America today and in the future. It introduces the student to the basic concepts of the social sciences.

Lecture Hours: 3 Laboratory Hours: 0

SSC 115 2 HRS. (TC)**LEADERSHIP AND COMMUNITY SERVICE**

This course concentrates on the social, political and economic dimensions of community issues such as under-education, poverty and ethnic diversity. Students will also examine the impact of various personal and community responses to these issues while performing community service.

Lecture Hours: 1 Laboratory Hours: 3

Social Work**SOCWK 220 3 HRS. (TC)****INTRODUCTION TO SOCIAL WORK**

Prerequisite: SOC 110 with a grade of "C" or better or PSY 110 with a grade of "C" or better. This course is an introduction to generalist social work within the context of social welfare service and policies, including their historical origins, conceptual framework, and contemporary foci. It also examines social work values and code of ethics, practice methods, and research and policy issues, emphasizing the unique experiences of diverse and at-risk populations.

Lecture Hours: 3 Laboratory Hours: 0

Sociology**SOC 110 3 HRS. (TC)****AN INTRODUCTION TO SOCIOLOGY (\$7 900)**

Prerequisite: Approved reading placement score, or equivalent. This course utilizes the approaches of functionalism, conflict theory, and interactionism to analyze the structures and processes of group life from a scientific perspective. Major areas of inquiry include: theory and methodology, culture, social organizations, socialization, groups, institutions, formal organizations, collective behavior, and social change.

Lecture Hours: 3 Laboratory Hours: 0

SOC 114 3 HRS. (TC)**SOCIAL PROBLEMS (\$7 901)**

Prerequisite: Approved reading placement score, or equivalent. Contemporary social problems are examined from the point of view of deviant behavior and social disorganization. The major problems covered include crime and delinquency, drugs and alcohol, sexual deviance, prejudice and discrimination, poverty, and mental disorders.

Lecture Hours: 3 Laboratory Hours: 0

SOC 120 3 HRS. (TC)**MARRIAGE AND THE FAMILY (S7 902)**

Prerequisite: Approved reading placement score, or equivalent. This course is a discussion of the nature, structure, and functions of marriage and the family historically and cross-culturally. Emphasis will be given to American marriage and family in terms of mate selection, gender roles, communication and conflict, disorganization and dissolution, and strengths.

Lecture Hours: 3 Laboratory Hours: 0

SOC 210 3 HRS. (TC)**INTRODUCTION TO CRIMINOLOGY (CRJ 912)**

Prerequisite: SOC 110 with a grade of "C" or better or department approval. An introduction to the multi-disciplinary study and analysis of the nature, causes, and control of crime; measurement of crime; and the interactive roles of the system, victim, and offender.

Lecture Hours: 3 Laboratory Hours: 0

SOC 213 3 HRS. (TC)**INTRODUCTION TO CULTURAL ANTHROPOLOGY (S1 901N)**

Prerequisite: Approved reading placement score, or equivalent. This course will be an investigation of the origin and history of human culture, its evolution and development. The structure and functions of human cultures will be studied with special emphasis given to family structures, economics, social structure, personality development and religion.

Lecture Hours: 3 Laboratory Hours: 0

SOC 218 3 HRS. (TC)**INTRODUCTION TO SOCIAL PSYCHOLOGY (S8 900)**

Prerequisite: Approved reading placement score, or equivalent, and SOC 110 or PSY 110 either with a grade of "C" or better. This course employs the social psychological perspective to examine the behavior of the individual in society. Major emphasis is given to psychological and sociological theory and to the scientific methods employed by the social psychologist as scientist. Focal points include: the self-concept, perception, communication, attraction, and socialization.

Lecture Hours: 3 Laboratory Hours: 0

SOC 219 3 HRS. (TC)**THE SOCIOLOGY OF RACE AND ETHNICITY IN AMERICA (S7 903D)**

Prerequisite: Approved reading placement score, or equivalent, and SOC 110 with a grade of "C" or better. This course uses the sociological approach to explore the relationships among the various racial and ethnic groups which constitute American society, including the structure of power distribution and inequality, process of adaptation, related movements for social change, and current issues of pluralism.

Lecture Hours: 3 Laboratory Hours: 0

SOC 221 3 HRS. (TC)**DEATH AND DYING**

This course considers death and the dying process and grief. Students have the opportunity to read and discuss issues relevant to the major topics.

Lecture Hours: 3 Laboratory Hours: 0

Spanish**SPAN 105 3 HRS. (OC)****CONVERSATIONAL SPANISH AND CULTURE**

This course will train participants to communicate effectively with Spanish-speaking personnel in horticultural and agricultural situations, and to learn to appreciate their culture and heritage. Skills will include informal conversation, identifying equipment, giving and taking directions, and discussion of work related issues.

Lecture Hours: 3 Laboratory Hours: 0

SPAN 110 4 HRS. (TC)**ELEMENTARY SPANISH I**

Prerequisite: Approved reading placement score, or equivalent. This course is designed to develop through the natural approach the four language skills in Spanish: listening, speaking, reading, and writing.

Lecture Hours: 4 Laboratory Hours: 0

SPAN 111 4 HRS. (TC)**ELEMENTARY SPANISH II**

Prerequisite: SPAN 110 with a grade of "C" or better or equivalent. This course is a continuation of SPAN 110 with emphasis on listening, speaking, reading, and writing. The course is conducted primarily in Spanish.

Lecture Hours: 4 Laboratory Hours: 0

SPAN 210 4 HRS. (TC)**INTERMEDIATE SPANISH I**

Prerequisite: SPAN 111 with a grade of "C" or better or equivalent. This course emphasizes conversation, selected readings, and composition. The course is conducted primarily in Spanish.

Lecture Hours: 4 Laboratory Hours: 0

SPAN 211 4 HRS. (TC)**INTERMEDIATE SPANISH II (H1 900)**

Prerequisite: Approved reading placement score, or equivalent, and SPAN 210 with a grade of "C" or better or equivalent. This course is a continuation of SPAN 210 with emphasis on advanced conversation, reading, and composition. The course is conducted in Spanish.

Lecture Hours: 4 Laboratory Hours: 0

Spanish General Education Development**SPGED 090 1 HR. (ASE)****SPANISH GED REVIEW I**

Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College or department approval. This course is designed to prepare the student for the Spanish GED Test in the areas of literature, writing, social studies, science, and mathematics.

Lecture Hours: 1 Laboratory Hours: 0

SPGED 091 2 HRS. (ASE)**SPANISH GED REVIEW II**

Prerequisite: Reading level 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College or department approval. This course is designed to prepare the student for the Spanish GED Test in the areas of literature, writing, social studies, science, and mathematics. This course is repeatable three times.

Lecture Hours: 2 Laboratory Hours: 0

SPGED 092 3 HRS. (ASE)**SPANISH GED REVIEW III**

Prerequisite: Reading level 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College or department approval. This course is designed to prepare the student for the Spanish GED Test in the areas of literature, writing, social studies, science, and mathematics. This course is repeatable three times.

Lecture Hours: 3 Laboratory Hours: 0

Supply Chain Management

SCM 111 3 HRS. (OC) CONTEMPORARY LOGISTICS

This course focuses on the complex and dynamic subject of logistics and its role within supply chain management, including a detailed examination of many elements of the logistics systems. The course also examines methods of analyzing, implementing, and controlling logistics as used by a firm and those firms with which it is linked.

Lecture Hours: 3 Laboratory Hours: 0

SCM 220 2 HRS. (OC) BASICS OF SUPPLY CHAIN MANAGEMENT

This course is an introductory course for production and inventory management personnel and certified in production and inventory management (CPIM) candidates. It provides basic definitions and concepts for planning and controlling the flow of materials into, through, and out of an organization. The course addresses types of manufacturing systems, forecasting, master planning, material requirements planning, capacity management, production activity control, purchasing, inventory management, distribution, quality management, and Just-in-Time (JIT) manufacturing.

Lecture Hours: 2 Laboratory Hours: 0

SCM 231 2 HRS. (OC) QUALITY MANAGEMENT

Prerequisite: SCM 220 with a grade of "C" or better or department approval.

This course focuses on quality management, control and improvement. It explains the importance of the management structure as well as the statistical and analytical tools needed to implement a successful quality management system. Discussion will include execution of quality initiatives and continuous improvement plans using tools such as Six Sigma methodologies.

Lecture Hours: 2 Laboratory Hours: 0

SCM 232 3 HRS. (OC) OPERATIONS MANAGEMENT

Prerequisite: SCM 220 with a grade of "C" or better or department approval. This course focuses on material and capacity and scheduling and planning. It includes a detailed explanation of material requirements planning and introduces material-dominated scheduling. It explains capacity requirements planning in detail and introduces processor-dominated scheduling.

Lecture Hours: 3 Laboratory Hours: 0

SCM 233 3 HRS. (OC) PROJECT MANAGEMENT

Prerequisite: SCM 220 with a grade of "C" or better or department approval. This course focuses on the principles of project management. It explains the importance of project management skills that will assist in one's role as a project sponsor, project leader or project team member. Management's knowledge and understanding of project management has grown to the level where it is utilized in most companies in one form or another. Demand is high for those who have project management skills. This course addresses those skills as well as assists with preparation for Project Management Professional certification by highlighting key topics from the Project Management Body of Knowledge.

Lecture Hours: 3 Laboratory Hours: 0

SCM 234 2 HRS. (OC) STRATEGIC PLANNING

Prerequisite: SCM 220, 231, 232, and 233 all with a grade of "C" or better or department approval. This course explores the relationship of existing and emerging processes and technologies to manufacturing strategy and supply chain-related functions. The course addresses three main topics: aligning resources with the strategic plan, configuring and integrating operating processes to support the strategic plan, and implementing change.

Lecture Hours: 2 Laboratory Hours: 0

SCM 245 3 HRS. (OC) INTRODUCTION TO ENTERPRISE RESOURCE PLANNING (ERP) SYSTEMS

This course introduces integrated business processes with Enterprise Resource Planning systems. The course is intended to explain how fundamental business processes including Accounting, Procurement, Fulfillment, Production, Inventory and Warehouse Management, and Material Planning interact with an ERP system like SAP.

Lecture Hours: 3 Laboratory Hours: 0

Surgical Technology

SURTK 100 0.5 HRS. (OC) ORIENTATION TO SURGICAL TECHNOLOGY

This course is designed to introduce students to the profession of surgical technology. Concepts include the basic principles and techniques of surgical technology, handwashing, scrubbing, gowning, gloving as well as preparing a sterile field.

Lecture Hours: 0.5 Laboratory Hours: 0

SURTK 105 3 HRS. (OC) PRINCIPLES AND PRACTICES OF SURGICAL SERVICES

This course is designed to provide the surgical technology or sterile processing student with the knowledge and skills needed to function in the health care setting. Students will gain knowledge of the global aspect of health care as it pertains to the surgical technologist and will acquire an understanding of how to utilize resources to become lifelong learners. Hospital organization, safety, legal issues, cultural diversity, ethical issues and death and dying will also be discussed.

Lecture Hours: 3 Laboratory Hours: 0

SURTK 120 4 HRS. (OC) INTRODUCTION TO SURGICAL TECHNOLOGY

Prerequisite: Acceptance to the surgical technology curriculum and BIOL 140 with a grade of "C" or better, or concurrent enrollment. This course is a study of operating room fundamentals including aseptic technique, patient care, preparation, and maintenance and care of equipment and supplies. Didactic and practical experiences are designed to prepare the student to function as a surgical technologist.

Lecture Hours: 2 Laboratory Hours: 4

SURTK 121 6 HRS. (OC) FUNDAMENTALS OF SURGICAL TECHNOLOGY I

Prerequisite: SURTK 120 with a grade of "C" or better. This course is a continuation of Introduction to Surgical Technology with emphasis on acquiring knowledge and skills of scrubbing and assisting during surgical procedures in the operating room and delivery room. Specific areas of study include: surgical landmarks, surgical anatomy, incisions and terminology related to laparotomy, hernias, breast, veins, and rectal, obstetrical and gynecological surgical procedures.

Lecture Hours: 5 Laboratory Hours: 2

SURTK 122 4 HRS. (OC) FUNDAMENTALS OF SURGICAL TECHNOLOGY II

Prerequisite: SURTK 121 with a grade of "C" or better. This course is a continuation of Fundamentals of Surgical Technology I with emphasis on acquiring knowledge and skills of scrubbing and assisting during surgical procedures in the operating room. Specific areas of study include genitourinary and orthopedics systems.

Lecture Hours: 3 Laboratory Hours: 2

SURTK 130 1 HR. (OC)**PHARMACOLOGY FOR THE SURGICAL TECHNOLOGIST**

Prerequisite: Acceptance into the Surgical Technology Program. This course is a study of pharmacology and anesthesia. It will deal with all aspects of pharmacology: drug sources, forms, nomenclature, route of administration, classifications, pharmacokinetics, pharmacodynamics, drug handling techniques, identification, supplies needed, transfer of medications to the sterile field, commonly used medications, general anesthesia, nerve conduction blocks, history, and team member roles during anesthesia.

Lecture Hours: 1 Laboratory Hours: 0

SURTK 141 2.5 HRS. (OC)**SURGICAL TECHNOLOGY, CLINICAL PRACTICE I**

Prerequisite: Concurrent enrollment in SURTK 121. This course provides supervised clinical experience with a variety of perioperative assignments to align with skills concurrently learned in Fundamentals of Surgical Technology I.

Lecture Hours: 0 Laboratory Hours: 16

SURTK 142 1 HR. (OC)**SURGICAL TECHNOLOGY, CLINICAL PRACTICE II**

Prerequisite: Concurrent enrollment in SURTK 122. This course provides supervised clinical experience with a variety of perioperative assignments to align with skills concurrently learned in Fundamentals of Surgical Technology II.

Lecture Hours: 0 Laboratory Hours: 8

SURTK 210 8 HRS. (OC)**FUNDAMENTALS OF SURGICAL TECHNOLOGY III**

Prerequisite: SURTK 122 and BIOL 210 with a grade of "C" or better. This course is a continuation of Fundamentals of Surgical Technology II with emphasis on acquiring skills of scrubbing and assisting the circulator during surgical procedures in the operating room and delivery room. Specific areas of study include: neurosurgery, thoracic, cardiovascular, burns, plastics, oral, ophthalmic, and otorhinolaryngology.

Lecture Hours: 5 Laboratory Hours: 24

SURTK 211 7 HRS. (OC)**ADVANCED FUNDAMENTALS OF SURGICAL TECHNOLOGY**

Prerequisite: Completion of SURTK 210 with a grade of "C" or better and current certification in CPR. This course outlines advanced techniques in surgical technology and is a continuation of the fundamentals of surgical technology series. This course will focus on suturing and knot tying techniques, professionalism and interpersonal skills, continuing education, and resume writing.

Lecture Hours: 3 Laboratory Hours: 32

SURTK 240 3.5 HRS. (OC)**SURGICAL TECHNOLOGY, CLINICAL PRACTICE III**

Prerequisite: Concurrent enrollment in SURTK 210. This course provides supervised clinical experience with a variety of perioperative assignments to align with skills concurrently learned in Fundamentals of Surgical Technology III.

Lecture Hours: 0 Laboratory Hours: 24

SURTK 250 4 HRS. (OC)**SURGICAL TECHNOLOGY BRIDGE**

Prerequisite: Department approval. This course outlines advanced techniques in surgical technology and is a continuation of the fundamentals of surgical technology series. This course is a bridge between the previous surgical technology certificate and the Associate in Applied Science Surgical Technology degree. This course will focus on suturing and knot tying techniques, professionalism and interpersonal skills. This course also includes the study of human diseases and mechanisms that govern them. It will address etiology, clinical presentation and the appropriate surgical intervention that is related to that specific disease process.

Lecture Hours: 4 Laboratory Hours: 0

SURTK 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

Theatre**THTRE 110 3 HRS. (TC)****THEATRE APPRECIATION (F1 907)**

Prerequisite: Approved reading placement score, or equivalent. This is a general education humanities course, and is not a performance based class. This course will enhance the appreciation of the theatre as an art form. Emphasis will be placed upon the dynamic way in which theatre can reflect, enhance, and enlighten the human condition, and includes historical, social, esthetic, and technical aspects of theatrical expression.

Lecture Hours: 3 Laboratory Hours: 0

THTRE 111 3 HRS. (TC)**MODERN DRAMA (F1 907)**

Prerequisite: Approved reading placement score, or equivalent. This is a general education humanities course, and is not a performance based class. This course introduces the many fascinating forms of drama and should make students aware of the extraordinary vitality and diversity of the modern global theatre through reading and study of various theatrical works.

Lecture Hours: 3 Laboratory Hours: 0

THTRE 113 3 HRS. (TC)**INTRODUCTION TO TECHNICAL THEATRE (TA 911)**

This course introduces safety procedures and basic techniques of scenery and property construction, tool use, scene painting, basic lighting techniques, and backstage organization. Through the use of laboratory hours, students will have hands-on experience in conjunction with departmental productions.

Lecture Hours: 3 Laboratory Hours: 1

THTRE 114 3 HRS. (TC)**FUNDAMENTALS OF THEATRICAL DESIGN**

Prerequisite: THTRE 113 with a grade of "C" or better or department approval. This course will provide a hands-on introduction to design elements, the design process, and the ability to communicate the progression of a theatrical design from concept to realization. Some areas covered are: script analysis, creating a vision statement, basic drafting, renderings, and model making.

Lecture Hours: 3 Laboratory Hours: 1

THTRE 115 2 HRS. (TC)**STAGE MAKE-UP**

This course is hands-on introduction to the basic knowledge, techniques, and application of make-up as it applies to theatre and film. Course content will incorporate color analysis and design and application techniques for creating corrective, straight, old age, fantasy, trauma, and special effects make-up for the stage.

Lecture Hours: 1 Laboratory Hours: 2

THTRE 118 1 HR. (TC)**THEATRE PRACTICUM**

This course offers the student practical experience in on-stage and off-stage theatrical production techniques. The student arranges a minimum thirty-two hours of hands-on experience workshop at times of student's convenience.
Lecture Hours: 0 Laboratory Hours: 32

THTRE 119 1 HR. (TC)**THEATRE PRACTICUM**

This course offers the student practical experience in on-stage and off-stage theatrical production techniques. The student arranges a minimum thirty-two hours of hands-on experience workshop at times of student's convenience.
Lecture Hours: 0 Laboratory Hours: 32

THTRE 122 3 HRS. (TC)**ACTING I (TA 914)**

This is a performance based fundamentals of acting course. The course covers the actors' use of concentration and observation, the importance of acting choices, basics of character development and script analysis. Course topics are introduced through acting exercises, improvisations, and short scene study. A variety of acting techniques such as Stanislavski, Meisner, and Cohen will be used as a basis to help the actor acquire the tools needed to create believable characters.

Lecture Hours: 3 Laboratory Hours: 1

THTRE 123 3 HRS. (TC)**DIRECTING I**

This is an introductory course to acquaint the student with the study and practice of the fundamentals of directing through director terminology, brief historical development and importance of the director. The student will acquire practical knowledge and use of the director's tools, beginning script analysis, use of stage space and work with actors in a laboratory setting.

Lecture Hours: 3 Laboratory Hours: 1

THTRE 210 3 HRS. (TC)**INTRODUCTION TO COSTUMING**

This introductory course focuses on planning and executing costumes for theatrical production including experience in conjunction with departmental presentations. The student learns the use of costume plots, measurements for fittings, procedures for construction, and standard works for research in historical costume periods and folk costume.

Lecture Hours: 3 Laboratory Hours: 0

THTRE 211 3 HRS. (TC)**THEATRE INTERNSHIP**

Prerequisite: Department approval. This course is designed to give the student/intern experience in their chosen field of interest under the direct supervision of a professional (Producer, Director, Designer, Stage Manager) while engaged in on-the-job training. The student/intern will also do individual research and study on approved area of interest.

Lecture Hours: 1 Laboratory Hours: 10

THTRE 217 3 HRS. (TC)**CREATIVE DRAMATICS AND CHILDREN'S THEATRE**

This course links Creative Dramatics and Children's Theatre. The focus of the first portion is leading children to develop their imaginations through the use of dramatic activities as a learning tool -- in any classroom or as an end in itself. The second division, Children's Theatre, involves the analysis of playscripts and the techniques of directing, acting, and designing for the child audience.

Lecture Hours: 3 Laboratory Hours: 0

THTRE 218 1 HR. (TC)**THEATRE PRACTICUM**

This course offers the student practical experience in on-stage and off-stage theatrical production techniques. The student arranges a minimum thirty-two hours of hands-on experience workshop at times of student's convenience.
THTRE 218 and THTRE 219 may be taken a maximum of three times each.

Lecture Hours: 0 Laboratory Hours: 32

THTRE 219 1 HR. (TC)**THEATRE PRACTICUM**

This course offers the student practical experience in on-stage and off-stage theatrical production techniques. The student arranges a minimum thirty-two hours of hands-on experience workshop at times of student's convenience.
THTRE 218 and THTRE 219 may be taken a maximum of three times each.

Lecture Hours: 0 Laboratory Hours: 2

THTRE 220 3 HRS. (TC)**SUMMER THEATRE WORKSHOP**

Prerequisite: Department approval. This course is for all residents of Illinois Central College District 514 who wish to participate in a summer theatre workshop. They are encouraged to enroll in this exciting venture. High school juniors and seniors may also enroll in this course. Students will work with several theatre instructors in the preparation, rehearsing, staging, and actual presentation of a major production in Illinois Central College Performing Arts Center.

Lecture Hours: 3 Laboratory Hours: 0

THTRE 221 3 HRS. (TC)**STAGE MOVEMENT**

This performance course is taught in a three-section format. The first section is warm-up; the second is the study of mime techniques; the third is improvisation/performance. Classwork begins with solo work and progresses through duet, trio and ensemble exercises. Completion of this course will provide a basic knowledge of theatrical and dramatic stage movement.

Lecture Hours: 0 Laboratory Hours: 6

THTRE 222 3 HRS. (TC)**ACTING II**

Prerequisite: THTRE 122 with a grade of "C" or better or department approval. This is a performance course and is a continuation of Acting I. In this course the student-actor will concentrate on the extended development of character and the further application of learned techniques. The student will move from exercises and improvisation to the use of the script and formal application of acting techniques through scene work.

Lecture Hours: 3 Laboratory Hours: 1

THTRE 223 3 HRS. (TC)**DIRECTING II**

Prerequisite: THTRE 123 with a grade of "C" or better or department approval. This course is a continuation of Directing I. In this course the student-director will further development the director's tools, director/actor communication, and the understanding and use of acting tools and techniques necessary to the rehearsal and performance process. The student will display knowledge and ability to use techniques through class exercises, text analysis, and extended scene work.

Lecture Hours: 3 Laboratory Hours: 1

Typing Skills

TYPE 120 3 HRS. (OC)

KEYBOARD/WORD PROCESSING I

This course will provide instruction in touch typing and basic commands using current word processing software. This course is repeatable up to three times.
Lecture Hours: 2 Laboratory Hours: 2

TYPE 121 3 HRS. (OC)

KEYBOARDING/WORD PROCESSING II

Prerequisite: TYPE 120 with a grade of "C" or higher or touch typing ability at a minimum of 20 correct words a minute. This course will provide keyboard reinforcement and instruction in basic word processing formatting commands for preparing tables, correspondence, and reports. This course is repeatable up to three times.
Lecture Hours: 2 Laboratory Hours: 2

TYPE 140 1 HR. (OC)

TYPING SPEED DEVELOPMENT TO 40 NWPM

Prerequisite: TYPE 121 with a grade of "C" or better or department approval. This course will provide students with help in analyzing their typing weaknesses to develop proper techniques and increase speed to 40 NWPM.
Lecture Hours: 0.5 Laboratory Hours: 1

TYPE 141 1 HR. (OC)

TYPING SPEED DEVELOPMENT TO 50 NWPM

Prerequisite: TYPE 140 with a grade of "C" or better or department approval. This course will provide students with help in analyzing their typing weaknesses to develop proper techniques and increase speed to 50 NWPM.
Lecture Hours: 0.5 Laboratory Hours: 1

TYPE 142 1 HR. (OC)

TYPING SPEED DEVELOPMENT TO 60 NWPM

Prerequisite: TYPE 141 with a grade of "C" or better or department approval. This course will provide students with help in analyzing their typing weaknesses to develop proper techniques and increase speed to 60 NWPM.
Lecture Hours: 0.5 Laboratory Hours: 1

TYPE 143 1 HR. (OC)

TYPING SPEED DEVELOPMENT TO 70 NWPM

Prerequisite: TYPE 142 with a grade of "C" or better or department approval. This course will provide students with help in analyzing their typing weaknesses to develop proper techniques and increase speed to 70 NWPM.
Lecture Hours: 0.5 Laboratory Hours: 1

TYPE 144 1 HR. (OC)

TYPING SPEED DEVELOPMENT TO 80 NWPM

Prerequisite: TYPE 143 with a grade of "C" or better or department approval. This course will provide students with help in analyzing their typing weaknesses to develop proper techniques and increase speed to 80 NWPM.
Lecture Hours: 0.5 Laboratory Hours: 1

TYPE 145 1 HR. (OC)

TYPING SPEED DEVELOPMENT TO 90 NWPM

Prerequisite: TYPE 144 with a grade of "C" or better or department approval. This course will provide students with help in analyzing their typing weaknesses to develop proper techniques and increase speed to 90 NWPM.
Lecture Hours: 0.5 Laboratory Hours: 1

Welding Technology

WELD 111 3 HRS. (OC)

WELDING BLUEPRINT READING

This is a course designed for welding blueprint reading for related job improvement. Drawings studied include views, sectional views, auxiliary views, dimensioning, fasteners, material symbols, and working drawings. Problems which will enable students to apply information concerning commonly accepted welding standards will be assigned.
Lecture Hours: 3 Laboratory Hours: 0

WELD 112 1 HR. (OC)

WELDING THEORY - SMAW

Prerequisite: Concurrent enrollment in WELD 121 or department approval. This course is designed to acquaint the student with materials and equipment used in oxyacetylene and stick welding, heat effects and how to counteract them, safety hazards and their avoidance, the theory of oxyacetylene and stick welding, and techniques practiced in corresponding laboratory courses WELD 121, 122, and 123.
Lecture Hours: 1 Laboratory Hours: 0

WELD 113 1 HR. (OC)

WELDING THEORY - GMAW

Prerequisite: Concurrent enrollment in WELD 131 or department approval. This course emphasizes techniques and theory of welding using the Gas Metal Arc (MIG) and Tungsten Inert Gas (TIG) Welding processes, as practiced in WELD 131 and WELD 141. Special techniques such as flux core and granular flux shielded submerged arc welding are also covered.
Lecture Hours: 1 Laboratory Hours: 0

WELD 119 3 HRS. (OC)

WELDING PROCESSES

This course emphasizes welding procedures, techniques, and equipment currently used in industry. Consideration is given to welding equipment design and implementation, shielded metallic arc welding, metal inert gas welding, tungsten inert gas welding, resistance welding, hard-surfacing, metallizing, air arc gouging, automated welding and cutting, robot welding, and weldment design.
Lecture Hours: 2 Laboratory Hours: 3

WELD 120 2 HRS. (OC)

WELDING

This course is designed to acquaint the student with common welding techniques and equipment used currently in trades and industry. Consideration is given to welding with arc and oxyacetylene in the various positions, hard surfacing, brazing, cutting, electrode selection, and metal identification. The student is expected to develop basic skills in general welding.
Lecture Hours: 1 Laboratory Hours: 3

WELD 121 1 HR. (OC)

STICK WELDING I

Prerequisite: Credit or concurrent enrollment in WELD 112 or department approval. This course is the first in a series of stick welding courses. The student will develop proficiency in the safe operation of manual shielded metallic arc welding processes in the flat position to meet commercial quality standards.
Lecture Hours: 0 Laboratory Hours: 3

WELD 122 1 HR. (OC)

STICK WELDING II

Prerequisite: Credit or concurrent enrollment in WELD 121 or department approval. This course is a continuation of WELD 121. The student will develop proficiency in the safe operation of the manual shielded metallic arc welding process in horizontal position to meet commercial quality standards.
Lecture Hours: 0 Laboratory Hours: 3

WELD 131 1 HR. (OC)
GAS METAL ARC WELDING (MIG) I
 Prerequisite: Concurrent enrollment in WELD 113 or department approval. This course is designed to broaden the knowledge and skill of the experienced production welder by developing proficiency in the safe operation of the semi-automatic arc welding processes. Extensive practice in continuous wire gas shielded arc welding, arc cutting and surfacing to meet commercial quality standards for welding of structural grade steels will be included in the course. Lecture Hours: 0 Laboratory Hours: 3

WELD 133 3 HRS. (OC)
WELDING FOR MAINTENANCE MECHANICS
 This course introduces the maintenance mechanic student to commonly used welding processes. The student will learn the theory and application of these processes. The student will become proficient in flat position welding using the SMAW and GMAW processes. Students will also be introduced to pipe welding. Students will also learn periodic and preventative maintenance measures on the equipment. Lecture Hours: 1 Laboratory Hours: 5

WELD 135 1 HR. (OC)
GAS METAL ARC WELDING (MIG) II
 Prerequisite: WELD 131 with a grade of "C" or better or department approval. This course is designed to advance the knowledge and skill of the experienced production welder by developing proficiency in the safe operation of the semi-automatic arc welding processes. A review of wire gas shielded arc welding, flux cored gas shielded and unshielded welding, and arc cutting and surfacing to meet commercial quality standards for welding of structural grade steels will be included in the course. Lecture Hours: 0 Laboratory Hours: 3

WELD 141 1 HR. (OC)
GAS TUNGSTEN ARC WELDING
 Prerequisite: WELD 121 with a grade of "C" or better or department approval. This course is designed to broaden knowledge and skill by developing proficiency in the safe operation of the tungsten inert gas all-position welding process, and for joining of common and alloy steels and aluminum to meet commercial quality standards. Lecture Hours: 0 Laboratory Hours: 3

WELD 150 1 HR. (OC)
WELD CERTIFICATION PREPARATION AND TESTING
 Prerequisite: Department approval. This course introduces students to specific weld certification requirements and the practice necessary to complete the weld test. This course is repeatable up to a maximum of three times for credit. Lecture Hours: 0 Laboratory Hours: 3

WELD 161 2 HRS. (OC)
MAINTENANCE WELDING
 Prerequisite: WELD 112, WELD 113, WELD 121 and WELD 131 with grades of "C" or better or department approval. This course is designed to instruct the student in the theory and practice of maintenance welding. Subjects discussed include equipment selection, filler metal selection, metallurgy preventative maintenance techniques to increase mean time between failures, and failure analysis. Laboratory practice will include instruction in stick, oxyacetylene, metal inert gas welding, tungsten inert gas welding, and low temperature joining. Lecture Hours: 1 Laboratory Hours: 3

WELD 163 2 HRS. (OC)
WELD FABRICATION WITH THE GMAW PROCESS
 Prerequisite: WELD 111, WELD 113, and WELD 135, all with a grade of "C" or better. This course requires the student to precisely measure and prepare parts, assemble parts accurately, work hold parts, tack parts into place, inspect the assembly, and then weld project. This capstone course will require the student to use blueprint reading, measuring, joint preparation, troubleshooting, and MIG welding skills. Lecture Hours: 0 Laboratory Hours: 4

WELD 210 3 HRS. (OC)
WELDING EQUIPMENT MAINTENANCE AND OPERATION
 Prerequisite: WELD 112, 113, 121, and 131 with a grade of "C" or better or department approval. This course is a study of the theory, construction, operation, and repair of a wide variety of commercially available welding equipment. Troubleshooting and preventive maintenance will be stressed. Lecture Hours: 2 Laboratory Hours: 3

WELD 223 1 HR. (OC)
STICK WELDING III
 Prerequisite: WELD 122 with a grade of "C" or better. As a continuation of WELD 122, instruction is centered using the SMAW process to weld in the vertical position. The student will gain proficiency using a number of filler materials in a number of joints. The successful student will demonstrate commercial quality welds upon course completion. Lecture Hours: 0 Laboratory Hours: 3

WELD 224 1 HR. (OC)
STICK WELDING IV
 Prerequisite: WELD 122 with a "C" or better or department approval. In this course, the student will develop proficiency in the safe operation of the manual shielded metallic arc welding process in overhead position to meet commercial quality standards. Lecture Hours: 0 Laboratory Hours: 3

WELD 230 3 HRS. (OC)
WELD TESTING
 Prerequisite: WELD 111, WELD 121, and WELD 131 with a grade of "C" or better, or department approval. This course is a survey of welding inspection methods and technology, welding metallurgy, and welding codes. Included in the course are visual, destructive, and non-destructive inspection and testing techniques commonly used in industry to assure quality in welded products. The course includes an overview of the inspector's responsibilities, ethical concerns, and relationships with welding personnel. Laboratory assignments require the use of welding processes to construct test samples, inspection and testing of welded samples, research, and report writing. Lecture Hours: 2 Laboratory Hours: 3

WELD 240 3 HRS. (OC)
WELD ENGINEERING TECHNOLOGY
 Prerequisite: WELD 131, WELD 141, and WELD 230 all with a grade of "C" or better, or department approval. This course provides the student with an opportunity to utilize the skill and knowledge gained through the Welding Technology program to solve industrial welding problems, assess weld quality, and improve manufacturing systems employing welding. It is a combination of lecture, team projects, and laboratory assignments simulating the job requirements of a welding technician. Lecture Hours: 2 Laboratory Hours: 3

WELD 255 1 HR. (OC)**INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. This course can be repeated up to three times up to a maximum of five hours semester credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

WELD 263 2 HRS. (OC)**WELD FABRICATION WITH THE SMAW PROCESS**

Prerequisite: WELD 163, WELD 223, and WELD 141 with a "C" or better or department approval. In this course, by following blueprints, the student will learn fabrication techniques for using stick and TIG processes to produce weldments to specifications. The student will become proficient in laying out the project, cutting and preparing parts, work holding, and tacking parts to make the assembly, inspecting the assembly, and making the final welds.

Lecture Hours: 0 Laboratory Hours: 4

Word Processing**WP 122 4 HRS. (OC)****KEYBOARD/WORD PROCESSING III**

Prerequisite: TYPE 121 with a grade of "C" or better. This course is a continuation of the word processing commands and formatting learned in TYPE 121. The course utilizes word processing commands such as merging, styles, columns, and tables with math calculations as they are used to prepare business documents. This course is repeatable up to three times.

Lecture Hours: 3 Laboratory Hours: 2

WP 152 1 HR. (OC)**PROOFREADING**

Prerequisite: OFOCC 114 with a grade of "C" or better. This course is designed to teach and develop office-style proofreading techniques and skills.

Lecture Hours: 1 Laboratory Hours: 0

WP 161 1 HR. (OC)**DATA ENTRY**

Prerequisite: Ability to type 40 net words per minute. This course develops numeric keypad proficiency from a variety of sources and formats with a specified percent of accuracy.

Lecture Hours: 0 Laboratory Hours: 2

WP 186 3 HRS. (OC)**WORD PROCESSING FOR DESKTOP PUBLISHING**

Prerequisite: WP 122 with a grade of "C" or better. This course will address specific desktop publishing features in currently used word processing software for a variety of business applications.

Lecture Hours: 2 Laboratory Hours: 2

Work Skills**WRKSK 092 2 HRS. (ABE)****JOB PREPAREDNESS I**

Prerequisite: Reading level of 4.0-8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course assists students in developing and/or updating job readiness skills.

Lecture Hours: 2 Laboratory Hours: 0

WRKSK 093 2 HRS. (ASE)**JOB PREPAREDNESS II**

Prerequisite: Reading level of 9.0-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course assists students in developing and/or updating job readiness skills.

Lecture Hours: 2 Laboratory Hours: 0

Non Credit Classes**CRAFT C13 0 HRS. (NC)****DRAWING AND PAINTING I**

Eight two and one-half hour sessions.

Lecture Hours: 1 Laboratory Hours: 0

CRAFT C15 0 HRS. (NC)**CERAMICS**

Eight two-hour sessions.

Lecture Hours: 1 Laboratory Hours: 0

CRAFT C16 0 HRS. (NC)**OIL PAINTING**

Eight two-hour sessions.

Lecture Hours: 1 Laboratory Hours: 0

CRAFT C41 0 HRS. (NC)**CERAMICS PRACTICUM**

Prerequisite: ART 204 and 205. Eight two and one-half hour sessions.

Lecture Hours: 0 Laboratory Hours: 1

CRAFT C42 0 HRS. (NC)**SCULPTURE PRACTICUM**

Prerequisite: ART 112 and 206. Eight two and one-half hour sessions.

Lecture Hours: 0 Laboratory Hours: 1

CRAFT C43 0 HRS. (NC)**PAINTING PRACTICUM**

Prerequisite: ART 200 and 201. Three laboratory hours per week for eight weeks.

Lecture Hours: 0 Laboratory Hours: 1.5

CRAFT C44 0 HRS. (NC)**DRAWING PRACTICUM**

Prerequisite: ART 006 and 007. Eight two and one-half hour sessions or equivalent.

Lecture Hours: 0 Laboratory Hours: 1.5

REC C05 0 HRS. (NC)**SPORTS ACTIVITIES AND FITNESS**

Participation is in various activities designed to promote physical fitness.

Activities include volleyball, badminton, and other conditioning activities and games.

Lecture Hours: 1 Laboratory Hours: 0

REC C06 0 HRS. (NC)**TENNIS**

This course includes instruction of the rules, strategy, and scoring and etiquette of the game. Students are introduced to the fundamentals of the basic strokes and singles and doubles competition. Eight two-hour sessions or equivalent.

Lecture Hours: 1 Laboratory Hours: 0

REC C17 0 HRS. (NC)**MODERN DANCE PRACTICUM**

Prerequisite: DANCE 140 and 141 both with a grade of "C" or better. This course is designed to allow advanced dance students who have completed DANCE 140 and 141 the opportunity to continue advanced training. Students may enroll in Modern Dance Practicum, REC C17, any number of times.

Lecture Hours: 1 Laboratory Hours: 2

REC C26 0 HRS. (NC)**AEROBIC EXERCISE**

This physical fitness class is designed to improve the cardiovascular system as well as body muscle flexibility. Eight two-hour sessions or equivalent.

Lecture Hours: 0 Laboratory Hours: 1

REC C27 0 HRS. (NC)**ADVANCED AEROBIC FITNESS**

Prerequisite: REC C26. This course is designed for students seeking a more advanced fitness program. Students begin at their own pace, then increase along with the help of the instructor to improve cardiovascular (heart and lungs) muscular strength, flexibility, coordination, body composition and balance. Eight two-hour sessions.

Lecture Hours: 1 Laboratory Hours: 0

REC C36 0 HRS. (NC)**BALLET PRACTICUM**

Prerequisite: DANCE 120 with a "C" or better. This course is specifically structured to meet the needs of those ballet students who have (1) completed both DANCE 110 and 120, and (2) desire to continue with ballet lessons, but are unable to either enroll in a day section of DANCE 210 or successfully audition for the Tazwood Dance Company. Sixteen two-hour sessions or equivalent.

Lecture Hours: 2 Laboratory Hours: 0

REC C37 0 HRS. (NC)**PRAIRIE WIND ENSEMBLE**

Prerequisite: Two semesters of MUS 131 and two semesters of MUS 231. This course is available to all students who have successfully completed four semesters in the Concert Band (MUS 131 and 231). Sixteen three-hour sessions and performances as may be scheduled.

Lecture Hours: 3 Laboratory Hours: 0

REC C50 0 HRS. (NC)**RACQUETBALL**

This course provides progressive development of skill in arm strokes, footwork, serve, volley, kill shots, rules and general strategy, and types of competition.

Lecture Hours: 0 Laboratory Hours: 1

REC C51 0 HRS. (NC)**SOFTBALL**

This course stresses individual skills in batting, bunting, base running, sliding, fielding, throwing, pitching, infield skills, and outfield skills. The individual is introduced to basic concepts of offensive and defensive team play.

Lecture Hours: 0 Laboratory Hours: 1

REC C52 0 HRS. (NC)**BOWLING**

This course gives instruction in footwork and the fundamental movement in delivery. Rules, terminology, scoring and etiquette are also covered.

Lecture Hours: 0 Laboratory Hours: 1

REC C53 0 HRS. (NC)**GOLF**

This course stresses the techniques of driving, fairway shots, pitching and putting. The student is introduced to general rules and match and stroke play.

Lecture Hours: 0 Laboratory Hours: 1

REC C54 0 HRS. (NC)**ADVANCED GOLF**

This course provides the student with the basic techniques of driving, fairway shots, pitching and putting. The class receives instruction on shot selection that would be utilized in actual competition.

Lecture Hours: 0 Laboratory Hours: 1

REC C55 0 HRS. (NC)**BEGINNING SWIMMING**

This course gives instruction to beginners and low intermediates who need additional practice in shallow water. The five basic strokes and beginning diving are taught.

Lecture Hours: 0 Laboratory Hours: 1

REC C56 0 HRS. (NC)**INTERMEDIATE SWIMMING**

This course gives instruction in the front and back crawl, elementary back-stroke, side-stroke, and breast-stroke for improved efficiency. Diving and rescue skills are also included.

Lecture Hours: 0 Laboratory Hours: 1

REC C57 0 HRS. (NC)**FIGURE FITNESS FOR WOMEN**

This course provides concepts and application of exercise and nutrition toward total fitness.

Lecture Hours: 0 Laboratory Hours: 1

REC C58 0 HRS. (NC)**PHYSICAL CONDITIONING**

This course involves using calisthenics and weight training to promote physical fitness.

Lecture Hours: 0 Laboratory Hours: 1

REC C59 0 HRS. (NC)**WEIGHT TRAINING**

In this course, the student will learn concepts and application of selectorized resistance equipment and/or free weights to promote strength and physical fitness plus aerobic exercise.

Lecture Hours: 0 Laboratory Hours: 1

REC C62 0 HRS. (NC)**PHILHARMONIC CHORALE**

This ensemble is open to persons with previous choral experience. Membership is based on audition.

Lecture Hours: 0 Laboratory Hours: 2

REC C64 0 HRS. (NC)**HEART OF ILLINOIS CHORUS**

This ensemble is for students with previous choral experience and interest in female barbershop style singing. Membership is through audition.

Lecture Hours: 0 Laboratory Hours: 2

REC C65 0 HRS. (NC)**CONCERT CHOIR**

Prerequisite: Two semesters of MUS 134 and two semesters of MUS 234. This course is for all students who are interested in singing, and who have successfully completed four semesters in the Concert Choir (MUS 134 and 234). Sixteen three-hour sessions and performances as may be scheduled.

Lecture Hours: 0 Laboratory Hours: 3

REC C66 0 HRS. (NC)**CHAMBER SINGERS**

Prerequisite: Department approval and two semesters each of MUS 130 and 230. This course allows voice majors to enroll in this ensemble which is open to a limited number of auditioned singers. Three laboratory hours per week for eight weeks.

Lecture Hours: 0 Laboratory Hours: 1.5

REC C67 0 HRS. (NC)**AEROBIC CIRCUIT FITNESS**

Prerequisite: PHYED 183. This course is a continuation of PHYED 183 and is designed to further the student's understanding of total physical fitness.

Lecture Hours: 0 Laboratory Hours: 2

REC C70 0 HRS. (NC)**AEROBICS**

This course will emphasize the utilization of various aerobic techniques to promote physical fitness. The student will receive instruction in the basic concepts and techniques of mixed impact aerobics, step, kickboxing and muscle toning activities in order to develop personal wellness and fitness.

Lecture Hours: 0 Laboratory Hours: 2

REC C77 0 HRS. (NC)**JAZZ DANCE PRACTICUM**

Prerequisite: DANCE 131 with a grade of "C" or better. This course is designed to allow advanced dance students who have completed DANCE 130 and 131 the opportunity to continue advanced training. Students may enroll in Jazz Dance Practicum, REC C77, any number of times.

Lecture Hours: 1 Laboratory Hours: 2

REC C79 0 HRS. (NC)**TAP DANCE PRACTICUM**

Prerequisite: DANCE 151 with a grade of "C" or better. This course is designed to allow advanced dance students who have completed DANCE 150 and 151 the opportunity to continue advanced training. Students may enroll in Tap Dance Practicum, REC C79, any number of times.

Lecture Hours: 1 Laboratory Hours: 2

REC C80 0 HRS. (NC)**AEROBIC SUPER CIRCUIT FITNESS**

Prerequisite: PHYED 183. This course is an annual non-credit course that allows full-time faculty, staff, retirees and their spouses who have successfully completed PHYED 180-183 to continue to expand their health and fitness knowledge and behavior.

Lecture Hours: 0 Laboratory Hours: 2

REC C81 0 HRS. (NC)**AEROBIC SUPER CIRCUIT FITNESS**

Prerequisite: PHYED 183. This course is an annual non-credit course that allows students over 65 years of age who have successfully completed PHYED 180-183 to continue to expand their health and fitness knowledge and behavior.

Lecture Hours: 0 Laboratory Hours: 2

REC C82 0 HRS. (NC)**AEROBIC SUPER CIRCUIT FITNESS**

Prerequisite: PHYED 183. This course is an annual non-credit course that allows students between 16 and 64 years of age who have successfully completed PHYED 180-183 to continue to expand their health and fitness knowledge and behavior.

Lecture Hours: 0 Laboratory Hours: 2

REC C83 0 HRS. (NC)**AEROBIC SUPER CIRCUIT FITNESS**

Prerequisite: PHYED 183. This is an annual non-credit course that allows adjunct faculty and part-time staff who have successfully completed PHYED 180 - 183 to continue to expand their health and fitness knowledge and behavior.

Lecture Hours: 0 Laboratory Hours: 2

REC C84 0 HRS. (NC)**CENTRAL ILLINOIS JAZZ TRAIN**

This course is available to persons with previous jazz experience. Membership is by audition only.

Lecture Hours: 0 Laboratory Hours: 2

REC C85 0 HRS. (NC)**HEALTH AND WELLNESS FOR SENIORS**

This non-credit course is designed for adults over age 60 who wish to expand their knowledge of health and wellness for seniors. Aspects of physical, psychological and social wellness are covered. Other topics include historical and cultural perspectives of wellness, as well as application of lifestyle choices which can lead to increased health and wellness.

Lecture Hours: 5 Laboratory Hours: 0

REC C86 0 HRS. (NC)**ICC HARD BOP JAZZ BAND**

Prerequisite: Two semesters of MUS 132 and two semesters of MUS 232. This course is available to all students who have successfully completed four semesters in the Jazz Band (MUS 132 and 232). Sixteen three-hour sessions and performances as may be scheduled.

Lecture Hours: 0 Laboratory Hours: 2

REC C87 0 HRS. (NC)**PRAIRIE WIND ENSEMBLE**

This course is available to all individuals that play wind or percussion instruments that have successfully auditioned for the ensemble.

Lecture Hours: 0 Laboratory Hours: 2

REC C94 0 HRS. (NC)**TAZWOOD DANCE COMPANY**

This course is designed to allow advanced dance students the opportunity to continue advanced training. Membership is awarded through audition.

Lecture Hours: 0 Laboratory Hours: 2

Program Mission, Goals, and Student Learning Outcomes

911 TELECOMMUNICATOR CERTIFICATE	300	EMERGENCY MEDICAL TECHNICIAN CERTIFICATE.....	314	MEDICAL ASSISTANT CERTIFICATE.....	328
ACCOUNTING BOOKKEEPER CERTIFICATE	300	GENERAL MOTOR AUTOMOTIVE SERVICE EDUCATIONAL PROGRAM (GM ASE) AAS DEGREE.....	314	MEDICAL CODER CERTIFICATE	329
ACCOUNTING CLERK CERTIFICATE	301	GRAPHIC COMMUNICATIONS AAS	315	MEDICAL LABORATORY TECHNICIAN AAS DEGREE ...	329
AGRICULTURAL BUSINESS MANAGEMENT- PRECISION AGRICULTURE CERTIFICATE	301	HOME PERFORMANCE TECHNICIAN CERTIFICATE	315	MEDICAL OFFICE ADMINISTRATIVE ASSISTANT CERTIFICATE.....	330
AGRICULTURAL PRODUCTION CERTIFICATE	302	HOME PERFORMANCE TECHNOLOGY AAS DEGREE....	316	NETWORK ADMINISTRATOR AAS DEGREE.....	330
AGRICULTURAL SCIENCE AND TECHNOLOGY AAS DEGREE	302	HORTICULTURE - LANDSCAPE MANAGEMENT AAS DEGREE	316	NETWORKING CERTIFICATE.....	331
AUTOMOTIVE TECHNOLOGY AAS	303	HORTICULTURE - LANDSCAPING CERTIFICATE	317	NURSING ASSISTANT CERTIFICATE	331
BUSINESS.....	303	HORTICULTURE TURFGRASS MANAGEMENT AAS DEGREE	317	OCCUPATIONAL THERAPY ASSISTANT AAS DEGREE ..	332
BUSINESS SPECIALIST.....	304	HORTICULTURE - TURFGRASS OPERATIONS CERTIFICATE	318	OFFICE PROFESSIONAL AAS DEGREE	333
CATERPILLAR DEALER SERVICE TECHNOLOGY	304	HVAC RESIDENTIAL INSTALLER CERTIFICATE	318	PAGE LAYOUT CERTIFICATE	333
CISCO CERTIFIED NETWORK ASSOCIATE (CCNA) CERTIFICATE	305	HVAC TECHNICIAN CERTIFICATE	319	PARALEGAL AAS DEGREE.....	334
CISCO CERTIFIED NETWORK PROFESSIONAL (CCNP) CERTIFICATE	305	HVAC/R TECHNOLOGY AAS DEGREE	319	PARALEGAL CERTIFICATE	334
CISCO NETWORKING SPECIALIST AAS DEGREE.....	306	IMEDIA CERTIFICATE	320	PARAMEDIC AAS DEGREE.....	335
CLERK TYPIST CERTIFICATE.....	306	INDUSTRIAL ELECTRICAL TECHNOLOGY AAS DEGREE.....	321	PHLEBOTOMIST CERTIFICATE.....	335
CNC MACHINE OPERATOR CERTIFICATE	307	INDUSTRIAL MAINTENANCE CERTIFICATE.....	321	PHYSICAL THERAPIST ASSISTANT AAS DEGREE	336
COMMERCIAL REFRIGERATION TECHNICIAN CERTIFICATE	307	INDUSTRIAL MAINTENANCE TECHNOLOGY AAS DEGREE	322	PRINTING CERTIFICATE	336
COMPUTED TOMOGRAPHY CERTIFICATE.....	308	INTERPRETER PREPARATION.....	322	PRODUCTION WELDER CERTIFICATE.....	337
COMPUTER PROGRAMMING AND DATABASE DEVELOPMENT AAS DEGREE	308	LAW ENFORCEMENT AAS DEGREE	323	RADIOGRAPHER AAS DEGREE	337
COMPUTER-AIDED MECHANICAL DRAFTING CERTIFICATE	309	LAW ENFORCEMENT CERTIFICATE	323	REGISTERED NURSE AAS DEGREE	338
CULINARY ARTS MANAGEMENT AAS DEGREE	309	LIBRARY TECHNICAL ASSISTANT CERTIFICATE.....	324	RESPIRATORY THERAPIST AAS DEGREE	338
CULINARY ARTS MANAGEMENT CERTIFICATE	310	LICENSED PRACTICAL NURSING CERTIFICATE.....	324	RESTAURANT MANAGEMENT AAS DEGREE	339
DENTAL HYGIENIST AAS DEGREE	310	LPN TO RN COMPLETION PROGRAM AAS DEGREE	325	SECURE SOFTWARE DEVELOPMENT	339
DIESEL POWERED EQUIPMENT TECHNOLOGY	311	MACHINE TOOL TECHNOLOGY AAS DEGREE	325	SMALL BUSINESS MANAGEMENT CERTIFICATE	340
DIGITAL IMAGING CERTIFICATE	311	MANAGEMENT - SUPPLY CHAIN MANAGEMENT OPTION AAS DEGREE	326	SURGICAL TECHNOLOGIST AAS DEGREE	340
DIGITAL PUBLISHING CERTIFICATE.....	312	MANAGEMENT OF SUPPLY CHAIN CERTIFICATE	326	WEB DEVELOPER CERTIFICATE.....	341
EARLY CHILDHOOD EDUCATION AAS DEGREE	312	MANUFACTURING ENGINEERING TECHNOLOGY AAS DEGREE	327	WEB DEVELOPER APPRENTICE CERTIFICATE.....	341
EARLY CHILDHOOD EDUCATION - ADVANCED CERTIFICATE	313	MASSAGE THERAPIST CERTIFICATE	327	WEB SYSTEMS AAS DEGREE	342
EARLY CHILDHOOD EDUCATION - BASIC CERTIFICATE	313	MECHANICAL ENGINEERING TECHNOLOGY	328	WELDING OPERATOR CERTIFICATE	342
				WELDING SPECIALIST CERTIFICATE	343
				WELDING TECHNOLOGY AAS DEGREE	343

911 TELECOMMUNICATOR CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the 911 Telecommunicator certificate is to prepare the students for employment in the various fields of 911 telecommunication within police, fire or EMS departments by educating them in the knowledge, skills, and behaviors for an entry-level 911 telecommunicator.

GOAL 1

Graduates will demonstrate ethical and service-oriented behaviors in the 911 Telecommunication field in which they choose to work.

1. Students will demonstrate professional interaction with all parties in the internship setting, such as with police, fire, and EMS.
2. Students will demonstrate the ethics of professional responsibility within the 911 telecommunication profession.

GOAL 2

Graduates will demonstrate skills of the 911 Telecommunication in which they plan to work, along with the issues and problems that arise within that system.

1. Students will develop the skills necessary to work within the 911 telecommunication field, such as call taking, accurate address information, proper communications, computer systems, etc.
2. Students will perform routine tasks involving technology to access information about the court system; the laws; cases; and court rules, as well as communicate about the same.

GOAL 3

Graduates will demonstrate knowledge in the area of criminal 911 Telecommunication, specifically new trends and law that apply to their chosen profession.

1. Students will demonstrate knowledge of the 911 Telecommunication and its role in contributing to our understanding of the evolving world of crime and the changing trends of telecommunication.
2. Student will demonstrate knowledge of 911 Telecommunication issues that deal with new case law and the evolving changes in crime and the applicable law.

ACCOUNTING BOOKKEEPER CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Accounting Bookkeeper certificate program is to prepare students to pass the Certified Bookkeeping exam and obtain employment in accounting or an accounting related field. The Accounting Bookkeeper Certificate program provides education in accounting for personal income taxes, managerial decision-making using accounting information, and accounting work using spreadsheet and database software, in addition to basic accounting and payroll accounting. The Accounting Bookkeeper Certificate prepares students for possible employment as a bookkeeper, payroll clerk, or similar positions in other areas of accounting, such as manufacturers, service industries, accounting firms, financial institutions, insurance companies, and not-for-profit and governmental organizations.

GOAL 1

Graduates of the program will demonstrate basic understanding of the creation and use of accounting information as well as the principles of business.

1. Students will demonstrate an understanding of the accounting equation.
2. Students will be able to interpret basic financial statements.
3. Students will demonstrate a basic understanding of fundamental cost accounting concepts
4. Students will demonstrate a basic understanding of the laws and regulations needed to manage business operations and accounting transactions.

GOAL 2

Graduates of the program will demonstrate the appropriate skills for a bookkeeper or accounting clerk.

1. Students will be able to analyze economic activity, record business transactions, and construct basic financial statements.
2. Students will be able to manipulate basic accounting information for use in managerial decision-making.
3. Students will demonstrate proficiency in the use of accounting software and electronic spreadsheets.
4. Students will be able to prepare payroll in conformity with federal and state laws and regulations.
5. Students will be able to prepare individual federal income tax returns.

GOAL 3

Graduates of the program will demonstrate awareness of the need for ethical decision-making in the creation and dissemination of financial information.

1. Students will demonstrate basic awareness of the need for ethical behavior in developing estimates and making accounting judgments.
2. Students will demonstrate an understanding of the fraud triangle and the need for internal controls over financial reporting.

ACCOUNTING CLERK CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Accounting Clerk certificate program is to prepare students with little or no office experience for employment in accounting or an accounting related field as an accounting clerk, accounts receivable clerk, accounts payable clerk, payroll clerk, or similar positions in other areas of accounting within the manufacturing, service, financial, not-for-profit, or governmental sectors of the economy by educating them in basic accounting, keyboarding, and data entry.

GOAL 1

Graduates of the program will demonstrate basic understanding of the creation and use of accounting information as well as the principles of business.

1. Students will demonstrate an understanding of the accounting equation.
2. Students will be able to interpret basic financial statements.
3. Students will demonstrate a basic understanding of the laws and regulations needed to manage business operations and accounting transactions.

GOAL 2

Graduates of the program will demonstrate the appropriate skills for an accounting clerk.

1. Students will be able to analyze economic activity, record business transactions, and construct basic financial statements.
2. Students will demonstrate proficiency in the use of accounting software and electronic spreadsheets.
3. Students will be able to prepare payroll in conformity with federal and state laws and regulations.
4. Students will demonstrate proficiency in keyboarding and data entry.

GOAL 3

Graduates of the program will demonstrate awareness of the need for ethical decision-making in the creation and dissemination of financial information.

1. Students will demonstrate basic awareness of the need for ethical behavior in developing estimates and making accounting judgments.
2. Students will demonstrate an understanding of the fraud triangle and the need for internal controls over financial reporting.

AGRICULTURAL BUSINESS MANAGEMENT- PRECISION AGRICULTURE CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Precision Agriculture certificate program is to prepare students for employment in the field of precision agriculture.

GOAL 1

Certificate earners will demonstrate technical knowledge required of an employee within agricultural industries that require specialization in the use of global positioning systems and geographical informational systems.

1. Students will demonstrate technical knowledge of global positioning systems and geographical informational systems.
2. Students will demonstrate technical knowledge of soil.

GOAL 2

Certificate earners will demonstrate proficiency in use of computer technology used in global positioning systems and geographical informational systems for management purposes.

1. Students will demonstrate comprehension of converting, formatting, analyzing, and interpreting data to construct useful maps.
2. Students will demonstrate the ability to use computer technology to make more informed management decisions on input use.

GOAL 3

Certificate earners will understand how advanced technologies affect the environment and sustainability practices.

1. Students will demonstrate the ability to develop a sustainable soil fertility program.
2. Students will demonstrate understanding of laws and regulations that govern pesticide and fertilizer application.

AGRICULTURAL PRODUCTION CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Agricultural Production program is to prepare students for employment in agricultural production by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the agricultural production industry.

GOAL 1

Certificate earners will demonstrate an understanding of the technical knowledge of an employee in agricultural production.

1. Students will demonstrate technical knowledge of genetics, nutrition, physiology, reproduction and lactation of farm animals.
2. Students will demonstrate technical knowledge of biological concepts of soil and plant growth.

GOAL 2

Certificate earners will demonstrate proficiency in best management practices in agricultural production.

1. Students will demonstrate proficiency of industry accepted management practices in the production of farm animals.
2. Students will demonstrate proficiency in planning a sustainable soil fertility program.

GOAL 3

Certificate earners will have a general understanding and appreciation for the attitudes and behaviors of an entry-level position in agricultural production.

1. Students will demonstrate collegiality with fellow students during group projects.
2. Students will express appreciation to hosts following laboratory visits to businesses or farms.

AGRICULTURAL SCIENCE AND TECHNOLOGY AAS DEGREE

Department: Agricultural and Industrial Technologies

The mission of the Agricultural Science and Technology program is to prepare students for employment in the agricultural industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the agricultural industry.

GOAL 1

Graduates will demonstrate an understanding of the technical knowledge required of an employee in a wide variety of agricultural occupations.

1. Students will demonstrate technical knowledge principles of genetics, nutrition, physiology, reproduction, growth, and lactation of farm animals.
2. Students will demonstrate technical knowledge of biological concepts of soil and plant growth.

GOAL 2

Graduates will demonstrate proficiency in application of best management practices in production agriculture.

1. Students will demonstrate proficiency in preparing budgets, accounting records and financial records for an agricultural business.
2. Students will demonstrate application of marketing and the role of agriculture in the United States economy.

GOAL 3

Graduates will demonstrate professional qualities and professional ethics.

1. Students will demonstrate collegiality with customers, employers, and fellow employees.
2. Students will demonstrate honesty, initiative and a positive attitude at work.

AUTOMOTIVE TECHNOLOGY AAS

Department: Agricultural and Industrial Technologies

The mission of the Automotive Technology Associate in Applied Science degree program is to prepare students for employment as entry-level technicians to be employed by automobile dealers, independent repair shops, mass merchandisers, auto manufacturers, part and component distributors, and other service oriented businesses. In this NATEF certified program, students are trained to perform a full range of automotive technical functions including diagnosis of mechanical and electrical problems, repair, and maintenance.

GOAL 1

Graduates of the program will demonstrate the necessary skills of an entry-level automotive technician.

1. Students will demonstrate in the automotive lab the skills required to work within the automotive electrical systems.
2. Students will demonstrate in the automotive lab the skills required to work within the automotive transmissions and transaxles systems.
3. Students will demonstrate in the automotive lab the skills required to work within the automotive manual drive train and axles systems.
4. Students will demonstrate in the automotive lab the skills required to work within the automotive suspension and steering systems.
5. Students will demonstrate in the automotive lab the skills required to work within the automotive brake systems.
6. Students will demonstrate in the automotive lab the skills required to work within the automotive heating and air conditioning systems.
7. Students will demonstrate in the automotive lab the skills required to work within the automotive engine repair.
8. Students will demonstrate in the automotive lab the skills required to work within the automotive engine performance.

GOAL 2

Graduates will demonstrate professional behaviors in the workplace.

1. Students will attend regularly throughout internship.
2. Students will follow ethical practices while doing repair orders.

GOAL 3

Students will demonstrate knowledge of the physics principles used in automotive technology.

1. Students will demonstrate knowledge of Ohm's law.
2. Students will demonstrate knowledge of Pascal's law.

BUSINESS

Department: Business, Legal, and Information Systems

The mission of the Associate in Applied Science Business degree is to provide students with the necessary skills and knowledge in fundamental business concepts including accounting, business math, management, customer service, finance, and marketing to gain entry-level employment in a variety of business enterprises.

GOAL 1

Graduates will be able to demonstrate excellent customer service and professionalism with stakeholders.

1. Students will be able to employ strategies to enhance business relationships.
2. Students will be able to relate customer service principles to work scenarios.
3. Students will develop an understanding of customer behavior.

GOAL 2

Graduates will be able to demonstrate effective communication skills.

1. Students will be able to obtain information which impacts business decisions.
2. Students will be able to convey ideas and information which impact business decisions and report on organizational activities.

GOAL 3

Graduates will be able to demonstrate best business practices in management.

1. Students will be able to demonstrate an understanding of the functions of management that achieve organizational goals.
2. Students will be able to demonstrate an understanding of the role of leadership in contributing to successful business operations.
3. Students will be able to analyze workplace problems and formulate ethical solutions.
4. Students will be able to demonstrate an understanding of the role of technology in business.

GOAL 4

Graduates will be able to demonstrate an understanding of the role of law and ethics in business.

1. Students will be able to identify personal and workplace consequences of unethical or illegal behaviors.
2. Students will be able to demonstrate an understanding of the role of organizational policies and procedures.

GOAL 5

Graduates will be able to manage the use of financial resources to protect a business's fiscal well-being.

1. Students will be able to construct or interpret financial statements.
2. Students will be able to demonstrate an understanding of financial resources to maintain business solvency.

BUSINESS SPECIALIST

Department: Business, Legal, and Information Systems

The mission of the Business Specialist certificate is to provide a broad-based set of skills and general business knowledge necessary for entry-level employment.

GOAL 1

Graduates will be able to demonstrate knowledge of best business practices in management and marketing.

1. Students will be able to demonstrate an understanding of the functions of management that achieve organizational goals.
2. Students will be able to identify personal and workplace consequences of unethical or illegal behaviors.
3. Students will be able to demonstrate an understanding of the role of organizational policies and procedures.
4. Students will be able to demonstrate an understanding of the principles of managing resources.
5. Students will be able to demonstrate knowledge of the marketing mix.

GOAL 2

Graduates will be able to demonstrate effective communication skills.

1. Students will be able to research and interpret information which will be communicated to decision makers.
2. Students will be able to employ communication strategies to enhance business relationships.

GOAL 3

Graduates will be able to demonstrate technological skills needed in business.

1. Students will be able to construct and interpret accurate workbooks using current spreadsheet software.
2. Students will be able to demonstrate an understanding of the role of technology in business.

GOAL 4

Graduates will be able to manage the use of financial resources to protect a business's fiscal well-being.

1. Students will be able to construct or interpret financial statements.
2. Students will be able to demonstrate an understanding of financial resources to maintain business solvency.

CATERPILLAR DEALER SERVICE TECHNOLOGY

Department: Agricultural and Industrial Technologies

The mission of the Caterpillar Dealer Service Technology Associate in Applied Science degree program is to prepare students for employment as a Service Technician at a sponsoring partner Caterpillar dealership. During this full-time, two-year program the student will develop the necessary knowledge, skills, and behaviors to be a productive member of the dealership's service team.

GOAL 1

Students in the Caterpillar Dealer Service Technology program will demonstrate knowledge of Caterpillar Inc. and the operation of a Caterpillar dealership.

1. Students will develop an understanding and appreciation for Caterpillar Inc. from a historical perspective.
2. Students will be introduced to various business procedures found in a typical Caterpillar dealership.
3. Students will become proficient in the use of the electronic media used in Caterpillar dealers.

GOAL 2

Students will demonstrate knowledge of the construction, operation, and repair of the systems utilized in the Caterpillar earthmoving equipment product line. This knowledge to include, but not limited to engines, power trains, and hydraulics.

1. Students will develop an understanding of the basic construction of engines, power trains, and hydraulic system.
2. Students will develop an understanding and knowledge of the correct system operation of the engines, power trains, and hydraulic systems.
3. Students will develop an understanding and knowledge of the diagnostic processes required to successfully repair engine, power train, and hydraulic systems.

GOAL 3

Students will demonstrate the ability to successfully assimilate into the Caterpillar dealer network exhibiting skills of cooperation and teamwork.

1. Students will successfully complete the required internships at the sponsoring dealer.
2. Students will follow all applicable dealer standards as they relate to the completion of the internship.

CISCO CERTIFIED NETWORK ASSOCIATE (CCNA) CERTIFICATE

Department: Business, Legal, and Information Systems

Mission: The Cisco Certified Network Associate (CCNA) certificate is designed to provide students with hands-on networking experience in associate-level technologies that focuses on core routing and switching. Instruction includes, but is not limited to networking standards, LAN protocols, WAN protocols, cabling standards, IP addressing, and various routing protocols. The certificate is career-focused and certification aligned, aimed at helping students prepare for entry-level networking opportunities.

GOAL 1

Graduates of the program will demonstrate the ability to design and install networks.

1. Students will be able to design and install basic networks.
2. Students will be able to design and install advanced networks.

GOAL 2

Graduates of the program will configure associate to enterprise-level settings and features on Cisco routers and switches.

1. Students will be able to configure associate-level routed and switched networks.
2. Students will be able to configure enterprise-level routed and switched networks.

GOAL 3

Graduates of the program will demonstrate the ability to maintain and troubleshoot router and switch configurations using associate to enterprise-level methodologies.

1. Students will be able to monitor and maintain networks.
2. Students will be able to troubleshoot the network using proper methodologies and techniques.

GOAL 4

Graduates of the program will demonstrate ethical behaviors in self-management, teamwork, and building relationships on entry into the workforce.

1. Students will work in teams to complete labs and practical simulations.
2. Students will work as individuals on self-paced simulations.

CISCO CERTIFIED NETWORK PROFESSIONAL (CCNP) CERTIFICATE

Department: Business, Legal, and Information Systems

Mission: The Cisco Certified Network Professional (CCNP) certificate is designed to provide students with hands-on networking experience in enterprise-level networking that develops an advanced understanding of routing and switching technologies. Instruction includes, but is not limited to advanced knowledge of routing protocols, LAN protocols, WAN protocols, and further hands-on experience with enterprise-level network devices and their configurations. The certificate is career-focused and certification aligned, aimed at helping students prepare for professional-level networking opportunities.

GOAL 1

Graduates of the program will demonstrate the ability to design and install networks.

1. Students will be able to design and install basic networks.
2. Students will be able to design and install advanced networks.

GOAL 2

Graduates of the program will demonstrate configurations using advanced-level settings and features on enterprise-level routers and switches.

1. Students will be able to configure associate-level routed and switched networks.
2. Students will be able to configure enterprise-level routed and switched networks.

GOAL 3

Graduates of the program will demonstrate the ability to trouble-shoot advanced-level router and switch configurations.

1. Students will be able to monitor and maintain networks.
2. Students will be able to troubleshoot the network using proper methodologies and techniques.

GOAL 4

Graduates of the program will demonstrate the ability to maintain network stability and efficiency using advanced-level features.

1. Students will work in teams to complete labs and practical simulations.
2. Students will work as individuals on self-paced simulations.

CISCO NETWORKING SPECIALIST AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Cisco Networking Specialist degree is to prepare students for employment in the networking field through education and training on real-world networking equipment by specializing in areas of cabling, network design, core routing and switching technologies, and security concepts, as well as telephony and wireless technologies. The program is aligned to several highly sought-after Cisco certifications including the CCNA and CCNP.

GOAL 1

Graduates of the program will be able to design and install basic to advance-level networks.

1. Students will be able to design and install basic networks.
2. Students will be able to design and install advanced networks.

GOAL 2

Graduates of the program will configure associate to enterprise-level settings and features on Cisco routers and switches.

1. Students will be able to configure associate-level routed and switched networks.
2. Students will be able to configure enterprise-level routed and switched networks.

GOAL 3

Graduates of the program will demonstrate the ability to maintain and troubleshoot router and switch configurations using associate to enterprise-level methodologies.

1. Students will be able to monitor and maintain networks.
2. Students will be able to troubleshoot the network using proper methodologies and techniques.

GOAL 4

Graduates of the program will demonstrate ethical behaviors in self-management, teamwork, and building relationships on entry into the workforce.

1. Students will work in teams to complete labs and practical simulations.
2. Students will work as individuals on self-paced simulations.

CLERK TYPIST CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Clerk Typist certificate is to prepare students for employment in entry-level office positions such as receptionist and file clerk by helping them develop the necessary knowledge, speed, and accuracy.

GOAL 1

Graduates of the program will demonstrate appropriate keyboarding skills for an entry-level office position.

1. Students will demonstrate accurate touch-typing skill and speed.
2. Students will demonstrate accurate 10 key skill and speed.

GOAL 2

Graduates of the program will demonstrate or describe appropriate office skills needed for an entry-level office position.

1. Students will be able to construct basic mailable documents using current word processing software.
2. Students will be able to maintain and retrieve accurate office records.
3. Students will be able to accurately manage office communications.

GOAL 3

Graduates of the program will demonstrate or describe appropriate office attitudes and behaviors needed for an entry-level office position.

1. Students will be able to demonstrate or describe appropriate office attitudes in the modern office setting.
2. Students will be able to demonstrate or describe appropriate office behaviors in the modern office setting.

CNC MACHINE OPERATOR CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the CNC Machine Operator certificate program is to prepare students with the skills and knowledge required for entry-level employment as a CNC machine operator in a manufacturing facility. Individuals will learn part design, machine setup and operation, and production.

GOAL 1

Graduates of the program will demonstrate the skills to properly access the correct program, identify and troubleshoot work holding devices, tooling, and piece parts, load piece parts and run the automated cycle, and inspect finished parts for accuracy at a level consistent with local employer expectations.

1. Use rulers, gauges, and precision measuring tools to properly identify sizes and locations of part features.
2. Analyze industrial prints including dimensions, tolerances, allowances, geometric tolerances, and notes.

GOAL 2

Graduates of the program will have a general understanding and appreciation for the procedures within manufacturing for safety, quality, logistics, and other things and be prepared to positively contribute to the production team.

1. Follow all prescribed safety rules including the wearing of personal protection devices, properly using lifting tools to move equipment & supplies, following lockout/tagout procedures, and site specific requirements.
2. Communicate in a formal and informal manner to a level that is expected of supervisors or mid-level managers.

GOAL 3

Graduate will be able to interpret mechanical blueprints, use precision measuring tools, communicate how the CNC processes produces the required features within specified tolerances, and verify that features are indeed within tolerance.

1. Troubleshoot machining problems including tooling, finish, dimensional errors, and work holding.
2. Setup and machine sub-assembly, assembly, and fixture parts within tolerance using common machine tool systems.
3. Program machine tools using manual and computer assisted methods.
4. Safely operate CNC machine tools.

COMMERCIAL REFRIGERATION TECHNICIAN CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Commercial Refrigeration Technician certificate program is to provide students with the knowledge and skills pertaining to the maintenance and repairing of ice machines as well as both medium and low temperature walk-ins, reach-ins, and supermarket refrigeration. After completing the program coursework consisting of both lecture and lab experiences, the graduates will be prepared to seek employment as entry-level technicians as refrigeration mechanics or general facilities repair persons.

GOAL 1

Graduates will demonstrate an understanding of the technical knowledge to perform as an entry-level light commercial refrigeration technician.

1. Students will demonstrate technical knowledge of light commercial refrigeration theory.
2. Students will identify and describe the function of system components used in low-temperature and medium temperature refrigeration systems.
3. Students will identify and describe the function of system components used in ice machines, walk-in, reach-in, and market refrigeration systems.
4. Students will identify and describe the function of test instruments and tools required to diagnose ice machines and light commercial refrigeration systems.

GOAL 2

Graduates will demonstrate the skills appropriate for an entry-level light commercial refrigeration technician.

1. Students will demonstrate and describe troubleshooting techniques of ice machines and light commercial refrigeration equipment according to manufacturer's instructions.
2. Students will demonstrate and describe the procedures in replacing faulty components in ice machines and light commercial refrigeration systems.
3. Students will demonstrate and describe the skills to trouble shoot ice machine and light commercial refrigeration components by using the appropriate test instruments.
4. Students will demonstrate and describe installation techniques of ice machines and light commercial refrigeration equipment according to manufacturer's instructions.

GOAL 3

Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry-level light commercial refrigeration technician.

1. Students will demonstrate and describe proper refrigerant handling techniques in accordance to Section 608 of the Federal Clean Air Act.
2. Students will demonstrate and describe ladder and fall prevention safety procedures in accordance to OSHA 29 CFR 1910.
3. Students will demonstrate and describe lockout/tagout safety procedures for control of hazardous energy sources in accordance to OSHA 29 CFR 1910.
4. Students will demonstrate and describe safety procedures for handling pressurized cylinders in accordance to OSHA 29 CFR 1910.
5. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC/R industry and business operation.

COMPUTED TOMOGRAPHY CERTIFICATE

Department: Health Careers

The mission of the Computed Tomography certificate program is to prepare knowledgeable and skilled entry-level CT technologists to meet the needs of the medical community.

GOAL 1

Students will be clinically competent.

1. Students will identify anatomic structures in all imaging planes.
2. Students will apply routine scanning protocols.
3. Students will successfully perform CT exams in the clinical setting.

GOAL 2

Students will develop critical thinking skills.

1. Students will demonstrate sound decision making.
2. Students will appropriately evaluate CT images.

GOAL 3

Students will model professionalism.

1. Students will demonstrate professional qualities.
2. Students will understand professional ethics.

COMPUTER PROGRAMMING AND DATABASE DEVELOPMENT AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Associate in Applied Science Computer Programming and Database Development degree is to prepare students for computer programming positions through instruction of in-depth programming skills in two different programming languages, so that the variety of computer platforms and languages available allow students diversification to meet their personal and career interests.

GOAL 1

Graduates of the program will demonstrate specific skills and proficiency in the technical knowledge of computer programming.

1. The student will design, implement, and test a medium-sized software application, utilizing industry conventions for the computer industry.
2. The student will demonstrate an understanding of Object Oriented programming and the idea of object instantiation from a class, methods, attributes, inheritance, and encapsulation.
3. The student will demonstrate an understanding and knowledge of abstract-data types.

GOAL 2

Graduates of the program will comprehend the terminology and industry conventions required to produce user-friendly and programmer-friendly software.

1. The student will create code in their programs that makes a concerted effort to insure that the program is user-friendly.
2. The student will create code in their programs that make a concerted effort to insure that the program meets all project requirements while still maintaining conventions to insuring reusability and programmer friendliness.
3. The student will create text files and small programs, and use them to manipulate data in a UNIX/Linux operating system.

GOAL 3

Graduates of the program will have an application of knowledge in the proper construction and querying of databases and providing information from the stored data.

1. The student will be able to create and manage database files.
2. The student will demonstrate an understanding of SQL commands to create, maintain, and query a relational database.
3. The student will design and implement a relational database meeting industry conventions for input of data, storage of properly formatted data, and successful information retrieval.

COMPUTER-AIDED MECHANICAL DRAFTING CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Computer-Aided Mechanical Drafting certificate program is to provide students with the knowledge and skills required for entry-level employment in computer-aided design and drafting systems. Individuals will learn manufacturing processes, welding processes, and dimensional metrology.

GOAL 1

Graduates of the program will demonstrate the understanding of engineering drawings in order to pursue employment as a computer aided mechanical design professional.

1. Students will be able to create 3d solid models in Creo, formerly called Pro-E, using extrude, revolve, sweep and blend commands.
2. Students will be able to edit existing models and change size and location of features.

GOAL 2

Graduates of the program will demonstrate specific procedures within the area of computer-aided mechanical drafting such as detailing, illustrating that they are well prepared to positively contribute to the design team.

1. Students will assign dimensions to drawings according to ANSI standards.
2. Students will assign welding symbols to drawings.

GOAL 3

Students will demonstrate professional behavior.

1. Students will use formal professional language during presentations displaying their work.
2. Students will be able to work independently.

CULINARY ARTS MANAGEMENT AAS DEGREE

Department: Business, Legal, and Information Systems

The Mission of the Culinary Arts Management Associate in Applied Science degree program is to prepare students for employment in the restaurant industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

GOAL 1

Graduates of the program will demonstrate appropriate culinary math knowledge in order to perform calculations necessary in the industry.

1. Students will be able to demonstrate proficiency in recipe adjustment.
2. Students will be able to demonstrate proficiency in recipe costing.

GOAL 2

Graduates of the program will demonstrate application of knowledge of culinary arts, baking and pastry, and front of the house principles.

1. Students will design and execute an appetizer and entree using culinary arts principles.
2. Students will complete a torte, plated dessert, and petit fours using baking and pastry principles.
3. Students will demonstrate knowledge of Front of the House Operation and serving techniques.

GOAL 3

Graduates of the program will model professional behaviors appropriate for an entry-level culinarian.

1. Students will demonstrate cooperative learning and engagement when working with their peers in group projects.
2. Students will demonstrate professional demeanor by following the Culinary Arts Policies and Procedures in regards to uniforms and grooming guidelines.

CULINARY ARTS MANAGEMENT CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Culinary Arts Management certificate program is to prepare students for entry-level employment such as prep cooks and cooks in the restaurant industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

GOAL 1

Graduates will have basic culinary math knowledge in order to perform calculations necessary in the industry.

1. Students will be able to demonstrate proficiency in recipe adjustment.
2. Students will be able to demonstrate proficiency in recipe costing.

GOAL 2

Graduates of the program will demonstrate application of skills of basic culinary and bakeshop principles.

1. Students will apply basic culinary skills and techniques.
2. Students will apply basic baking skills and techniques.

GOAL 3

Graduates will model professional behaviors appropriate for an entry-level culinarian.

1. Students will demonstrate cooperative learning and engagement when working with their peers in group projects.
2. Students will demonstrate professional demeanor by following the Culinary Arts Policies and Procedures in regards to uniforms and grooming guidelines.

DENTAL HYGIENIST AAS DEGREE

Department: Health Careers

The mission of the Illinois Central College Dental Hygiene program is to graduate and facilitate the development of professional, ethical, and competent dental hygienists who exhibit the following characteristics: an awareness of the present and future roles and responsibilities within the dental hygiene profession and the community he/she serves; the knowledge and clinical skills necessary to provide the current standard of care within the dental hygiene profession for clients he/she treats; a commitment to lifelong learning and professional development.

GOAL 1

Graduates will exhibit clinical competency as an entry-level dental hygienist.

1. Utilize reflective judgment in developing a comprehensive patient dental hygiene care plan. (PC.6)
2. Collaborate with the patient and other health professionals as indicated to formulate a comprehensive dental hygiene care plan that is patient-centered and based on the best scientific evidence and professional judgment. (PC.7)

GOAL 2

Graduates will exhibit a foundation for professional growth, scientific advancement, and life-long learning.

1. Integrate accepted scientific theories and research into educational, preventive, and therapeutic oral health services. (C.5)
2. Investigate career opportunities within health care, industry, education, research, and other roles as they evolve for the dental hygienist. (PGD.1)

GOAL 3

Graduates will exhibit appropriate critical thinking skills for an entry-level dental hygienist.

1. Facilitate consultations and referrals with all relevant health care providers for optimal patient care. (C.9)
2. Manage medical emergencies by using professional judgment, providing life support, and utilizing required CPR and any specialized training or knowledge. (C-10)
3. Systematically collect, analyze, and record diagnostic data on the general, oral, and psychosocial health status of a variety of patients using methods consistent with medico legal principles. (PC.1)
4. Make referrals to professional colleagues and other health care professionals as indicated in the patient care plan. (PC.8)

GOAL 4

Graduates will model professional behaviors appropriate for an entry-level dental hygienist.

1. Respect the goals, values, beliefs, and preferences of all patients. (HP.1)
2. Advocate for effective oral health care for underserved populations. (CM.2)

DIESEL POWERED EQUIPMENT TECHNOLOGY

Department: Agricultural and Industrial Technologies

The mission of the Diesel Powered Equipment Technology program is to provide the training necessary to maintain, service and diagnose system failures as applied to agricultural equipment, construction equipment, and heavy trucks. The program actively encourages students to expand their horizons to permit upward mobility through General Education courses and other related learning experiences such as those associated with the student club organization. The program also places a strong emphasis on developing and expanding the student's work ethic so that the student is fully prepared as an entry-level service technician.

GOAL 1

Graduates of the Diesel Powered Equipment Technology Program will demonstrate an understanding of the technical knowledge and proficiency required of an entry-level diesel powered equipment service professional.

1. Students will demonstrate technical knowledge and proficiency as judged by their internship employers.
2. Students will be gainfully employed by a diesel powered equipment employer at graduation.

GOAL 2

Graduates of the program will demonstrate specific knowledge and proficiency in the technical areas of diesel engines, electrical systems, electronic systems, tractor guidance and telematics, diesel fuel systems, power trains, air conditioning, hydraulics, heavy truck suspension, chassis and brakes, and agricultural machinery.

1. Students will demonstrate technical competency thru their performance during the annual DPET Diagnostic Skills Assessment.
2. Students will demonstrate technical competency thru their performance in each laboratory practicums held at the conclusion of each designated DPET course.

GOAL 3

Graduates of the program will develop leadership, cooperative, professionalism and work ethic skills necessary for greater success and upward mobility throughout the graduate's career.

1. Students will demonstrate "soft" skills throughout their internship experiences.
2. Students participate in DPET student club activities.
3. Students uphold the standards outlined in the DPET "Guide to Student Success."

DIGITAL IMAGING CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Digital Imaging certificate program is to prepare students for employment or upgrade existing job skills in the graphic communications industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of photography, lighting, and image manipulation.

GOAL 1

Graduates of the program will demonstrate knowledge of digital image capture.

1. Demonstrate an understanding of composition in digital photography.
2. Demonstrate effects of adjusting common features of digital cameras including exposure controls, resolution settings, and focal length controls.

GOAL 2

Graduates of the program will have basic skills with image manipulation.

1. Demonstrate the proper use selection tools, layers, and channels.
2. Demonstrate the proper Adobe Photoshop compositing techniques including layer masks, clipping groups, blending modes, and clipping paths.

GOAL 3

Graduates will demonstrate professional behavior.

1. Students will use professional language during class presentations.
2. Students will work independently.

DIGITAL PUBLISHING CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Digital Publishing certificate program is to prepare students for employment in the graphic communications industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills for page layout, web page development, packaging, screen-printing, and digital publishing workflows.

GOAL 1

Graduates of the program will demonstrate knowledge of digital image capture.

1. Demonstrate an understanding of composition in digital photography.
2. Demonstrate effects of adjusting common features of digital cameras including exposure controls, resolution settings, and focal length controls.

GOAL 2

Graduates of the program will produce digital format publication for distribution as eBook and web delivery.

1. Demonstrate proper CSS coding for formatting web site content.
2. List the types of interactivity possible using PDF file format.

GOAL 3

Graduates will demonstrate professional behavior.

1. Students will use professional language during class presentations.
2. Students will be able to work independently with safe behavior.

EARLY CHILDHOOD EDUCATION AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Early Childhood Education Associate in Applied Science degree program is to prepare students for employment in the early childhood education field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of early childhood.

GOAL 1

Graduates of the program will demonstrate knowledge to perform as entry-level early childhood educators.

1. Students will demonstrate knowledge of the developmental domains of Child Development.
2. Students will demonstrate knowledge of the Illinois Early Learning Standards for Preschoolers and the Illinois Guide lines for Birth to 3.
3. Students will exhibit knowledge of diverse populations.

GOAL 2

Graduates of the program will demonstrate teaching and learning skills appropriate for entry-level early childhood educators.

1. Students will demonstrate mastery of developmentally appropriate practices (DAP).
2. Students will demonstrate observation and assessment skills.
3. Students will demonstrate curriculum and lesson planning skills.

GOAL 3

Students will demonstrate ethical and professional behaviors during observations and field experiences.

1. Students will demonstrate professional interactions with all parties in the field experience settings.
2. Students will model adherence to the NAEYC (National Association for the Education of Young Children) Code of Ethics.

EARLY CHILDHOOD EDUCATION - ADVANCED CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Early Childhood Education Advanced certificate program is to prepare students for employment in the early childhood education field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of early childhood education and preparing them for the Gateways ECE Level 3 Credential, which can lead to the Level 4 Credential.

GOAL 1

Graduates of the program will demonstrate knowledge to perform as entry-level early childhood educators meeting the requirements of the Gateways ECE Level 3 Credential.

1. Students will demonstrate general and math-specific knowledge of the developmental domains of Child Development.
2. Students will demonstrate general and math-specific knowledge of the Illinois Early Learning Standards for Preschoolers and the Illinois Guidelines for Birth to 3.
3. Students will exhibit knowledge of diverse populations.

GOAL 2

Graduates of the program will demonstrate teaching skills appropriate for entry-level early childhood educators meeting the requirements of the Gateways ECE Level 3 Credential.

1. Students will demonstrate proficiency of developmentally appropriate practices (DAP) in all areas and mastery in math practices.
2. Students will demonstrate observation and assessment skills.
3. Students will demonstrate general and math-specific curriculum and lesson planning skills.

GOAL 3

Students will demonstrate ethical and professional behaviors during observations and field experiences.

1. Students will demonstrate professional interactions with all parties in the field experience settings.
2. Students will model adherence to the NAEYC (National Association for the Education of Young Children) Code of Ethics.

EARLY CHILDHOOD EDUCATION - BASIC CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Early Childhood Education Basic certificate program is to prepare students for employment in the early childhood education field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of early childhood education and preparing them for the Gateways ECE Level 2 Credential, which can lead to Level 3 and Level 4 Credentials.

GOAL 1

Graduates of the program will demonstrate knowledge to perform as entry-level early childhood educators meeting the requirements of the Gateways ECE Level 2 Credential.

1. Students will demonstrate knowledge of the developmental domains of Child Development.
2. Students will demonstrate knowledge of the Illinois Early Learning Standards for Preschoolers and the Illinois Guide lines for Birth to 3.
3. Students will exhibit knowledge of diverse populations.

GOAL 2

Graduates of the program will demonstrate teaching skills appropriate for entry-level early childhood educators meeting the requirements of the Gateways ECE Level 2 Credential.

1. Students will demonstrate proficiency of developmentally appropriate practices (DAP).
2. Students will demonstrate observation and assessment skills.
3. Students will demonstrate curriculum and lesson planning skills.

GOAL 3

Students will demonstrate ethical and professional behaviors during observations and field experiences.

1. Students will demonstrate professional interactions with all parties in the field experience settings.
2. Students will model adherence to the NAEYC (National Association for the Education of Young Children) Code of Ethics.

EMERGENCY MEDICAL TECHNICIAN CERTIFICATE

Department: Health Careers

The mission of the Emergency Medical Technician certificate program is to prepare graduates for licensure/certification and employment as an EMT by providing theoretical knowledge, practicing technical skills, simulation, and field practicums, and enhancing professional behaviors.

GOAL 1

Students will demonstrate the knowledge necessary to gain employment.

1. Students will exhibit an understanding of the fundamental concepts of emergency medical care.
2. Students will successfully complete a final cumulative knowledge-based examination.

GOAL 2

Students will demonstrate communication skills.

1. Students will demonstrate written communication skills.
2. Students will demonstrate oral communication skills.

GOAL 3

Students will acquire and develop the psychomotor skills required of an entry-level EMT.

1. Students will successfully complete all aspects of the psychomotor cumulative evaluation prior to challenging the certification/licensure examination.
2. Students will develop and demonstrate proficiency in performing procedures for trauma, medical, non-routine, and age-specific patients.

GENERAL MOTOR AUTOMOTIVE SERVICE EDUCATIONAL PROGRAM (GM ASEP) AAS DEGREE

Department: Agricultural and Industrial Technologies

The mission of the General Motors Automotive Service Education Program (GM ASEP) Associate in Applied Science degree program is to prepare students for employment in the automotive repair industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and forward thinking skills to serve as the next generation of automotive technicians.

GOAL 1

Graduates of the program will meet NATEF requirements for SAE areas A1-A8.

1. Students will demonstrate in the automotive lab the skills required to work in NATEF areas A1 Electrical Systems.
2. Students will demonstrate in the automotive lab the skills required to work in NATEF areas A5 Brakes Systems.
3. Students will demonstrate in the automotive lab the skills required to work in NATEF areas A7 Automotive Heating and Air Conditioning.

GOAL 2

Graduates of the ASEP program will demonstrate knowledge of General Motors' product lines as well as the operations of GM Dealerships.

1. Students will demonstrate an understanding of the similarities of the General Motors platforms.
2. Students will understand the operations of the Sales, Parts, and Service within the dealership.

GOAL 3

Graduates will appreciate processes for safety, environmental protection, efficiency, accurate reporting, and other processes identified by their employer.

1. Students will demonstrate an understanding of safety requirements during labs and internships.
2. Students will appropriately handle hazardous waste materials.
3. Students will appropriately write a repair order.

GRAPHIC COMMUNICATIONS AAS

Department: Agricultural and Industrial Technologies

The mission of the Graphic Communications Associate in Applied Science degree program is to prepare students for employment in the graphic communications industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills for page layout, web page development, packaging, screen-printing, and digital publishing workflows.

GOAL 1

Graduates of the program will demonstrate knowledge of digital image capture.

1. Demonstrate an understanding of composition in digital photography.
2. Demonstrate effects of adjusting common features of digital cameras including exposure controls, resolution settings, and focal length controls.

GOAL 2

Graduates of the program will produce digital format publication for distribution as eBook and web delivery.

1. Demonstrate proper CSS coding for formatting web site content.
2. List the types of interactivity possible using PDF file format.

GOAL 3

Graduates will demonstrate professional behavior.

1. Students will use professional language during class presentations.
2. Students will be able to work independently with safe behavior.

HOME PERFORMANCE TECHNICIAN CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Home Performance Technician certificate program is to provide the student with the knowledge and skills necessary to work in the home performance industry with the primary focus on reducing energy consumption and ensuring a safe/healthy indoor environment (IEQ) in residential and light commercial construction. The student will become aware and proficient in the evolving sustainability/green industries associated with mechanical, electrical, and plumbing (MEP) and other careers pertaining to the built environment.

GOAL 1

Graduates will demonstrate an understanding of the technical knowledge to perform as an entry level home performance technician.

1. Students will identify and describe the structural components of a buildings envelope.
2. Students will identify and describe the principles of building science and how it impacts systems in a building.

GOAL 2

Graduates will demonstrate the skills appropriate for an entry level home performance technician.

1. Students will demonstrate diagnostic testing skills on the buildings envelope.
2. Students will demonstrate diagnostic testing skills on the buildings mechanical systems.
3. Students will demonstrate corrective measures on improving a buildings envelope.

GOAL 3

Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry level home performance technician.

1. Students will demonstrate work safety in confined spaces in accordance to OSHA Standard CFR – 29 confined space rule.
2. Students will demonstrate how to identify and test for safety issues as identified in BPI standards.

HOME PERFORMANCE TECHNOLOGY AAS DEGREE

Department: Agricultural and Industrial Technologies

The mission of the Home Performance Technology Associate in Applied Science degree program is to provide the student with the knowledge to work in the built environment. The student will learn about the continuously evolving sustainability/green industries and how to assist homeowners and building owners to reduce their environmental footprint and to ensure a safe and healthy indoor environment. After completing this program, graduates will be able to work in entry-level positions for home performance contractors such as: weatherization technician, insulation technician, energy auditor/rater, indoor air quality technician, start-up HVAC technician, and/or HVAC designer in residential and light commercial buildings.

GOAL 1

Graduates will demonstrate the technical knowledge to perform as an entry level indoor air quality technician/ HVAC designer in residential and light commercial buildings.

1. Students will demonstrate specific knowledge and proficiency with test instruments and the tools required of an indoor air quality technician.
2. Students will demonstrate technical knowledge and proficiency in determining ventilation requirements of residential and light commercial buildings to maintain a safe and healthy indoor environment according to ACCA Manual J and Manual S.
3. Students will demonstrate technical knowledge in determining appropriate locations for mechanical equipment in residential and light commercial buildings.

GOAL 2

Graduates will demonstrate skills of an entry level indoor air quality technician/ HVAC designer in residential and light commercial buildings.

1. Students will demonstrate and describe the procedures in determining ventilation requirements of residential and light commercial buildings according to ASHRAE Standard 90.1 & 90.2.
2. Students will demonstrate and describe the skills to test residential and light commercial HVAC/R systems by using the appropriate test instruments.

GOAL 3

Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry level indoor air quality technician/ HVAC designer in residential and light commercial buildings.

1. Students will demonstrate and describe the minimum ventilation rates of residential and light commercial buildings in accordance to ACCA and the 2015 Illinois Energy Conservation Code.
2. Students will demonstrate and describe the minimum insulation values and envelope air leakage rates of residential and light commercial buildings in accordance to ACCA and the 2015 Illinois Energy Conservation Code.
3. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC industry and business operation.

HORTICULTURE - LANDSCAPE MANAGEMENT AAS DEGREE

Department: Agricultural and Industrial Technologies

The mission of the Horticulture-Landscape Management Associate in Applied Science degree program is to prepare students for employment in the landscape management industry (landscape contracting, nursery management, garden center management, etc.) by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the landscape industry.

GOAL 1

Graduates of the program will demonstrate application of the technical knowledge required for a landscape management position.

1. Demonstrate a fundamental understanding of basic horticultural principles and practices.
2. Demonstrate a fundamental understanding of soils, soil development, soil building and preparation, and sustainable soil management.
3. Demonstrate a fundamental understanding of turfgrass identification, selection, use and maintenance of turfgrasses best suited for use and weed identification.
4. Demonstrate a fundamental understanding of plant identification, selection, use, and maintenance of plant materials best suited for use.
5. Demonstrate a fundamental understanding of basic landscape design principles and practices.
6. Demonstrate a fundamental understanding of sustainable landscape construction and maintenance principles and practice.
7. Demonstrate a fundamental understanding of the business and marketing practices unique to the horticulture industry.

GOAL 2

Graduates of the program will demonstrate proficiency in the skills necessary to obtain a landscape management position.

1. Identify common landscape plant and turfgrass species and know their growth habits and maintenance requirements including pest management.
2. Apply critical and creative thinking skills to design and install landscapes and understand small business management.
3. Propose ongoing integrated pest management practices and solutions for green spaces.
4. Demonstrate a proficiency in operation of industry equipment.

GOAL 3

Graduates of the program will demonstrate professional qualities and professional ethics.

1. Gain practical experience and practice professionalism in the industry through onsite training.
2. Demonstrate proficiency at safely operating landscape construction and maintenance power equipment to complete various landscape operations.

HORTICULTURE - LANDSCAPING CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Horticulture-Landscaping certificate program is to prepare students for employment or the pursuit of a Horticulture Landscape Management Associate in Applied Science degree in the landscaping industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the landscape industry.

GOAL 1

Certificate earners of the program will demonstrate an understanding of the technical knowledge required of an entry-level employee in the landscape industry.

1. Demonstrate a fundamental understanding of basic horticultural principles and practices.
2. Demonstrate a fundamental understanding of soils, soil development, soil building and preparation, and sustainable soil management.
3. Demonstrate a fundamental understanding of turfgrass identification, selection, use, and maintenance of turfgrasses best suited for use and weed identification.
4. Demonstrate a fundamental understanding of plant identification, selection, use, and maintenance of plant materials best suited for use.
5. Demonstrate a fundamental understanding of sustainable landscape construction and maintenance principles and practice.

GOAL 2

Certificate earners of the program will demonstrate specific skills related to soil fertility, turfgrass management, landscape plant identification, and landscape maintenance.

1. Identify common landscape plant and turfgrass species and know their growth habits and maintenance requirements including pest management.
2. Apply critical and creative thinking skills to design and install landscapes.
3. Propose ongoing integrated pest management practices and solutions for green spaces.
4. Demonstrate a proficiency at safely operating landscape equipment and maintenance of power equipment.

HORTICULTURE TURFGRASS MANAGEMENT AAS DEGREE

Department: Agricultural and Industrial Technologies

The mission of the Horticulture-Turfgrass Management Associate in Applied Science degree program is to prepare students for employment in the turfgrass management industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the turfgrass industry.

GOAL 1

Graduates of the program will demonstrate an understanding of the technical knowledge and proficiency required of a turfgrass management position.

1. Demonstrate a fundamental understanding of basic horticultural principles and practices.
2. Demonstrate a fundamental understanding of soils, soil development, soil building and preparation, and sustainable soil management.
3. Demonstrate a fundamental understanding of turfgrass identification, selection, use, and maintenance of turfgrasses best suited for use and weed identification.
4. Demonstrate a fundamental understanding of plant identification, selection, use, and maintenance of plant materials best suited for use.
5. Demonstrate a fundamental understanding of basic landscape design principles and practices.
6. Demonstrate a fundamental understanding of sustainable landscape construction and maintenance principles and practice.
7. Demonstrate a fundamental understanding of hydraulics and irrigation design, installation, and water management principles and practices.
8. Demonstrate a fundamental understanding of the business and marketing practices unique to the turfgrass industry.

GOAL 2

Graduates of the program will demonstrate specific turfgrass management skills required to obtain a turfgrass management position.

1. Propose on-going integrated pest management practices and solutions for green spaces.
2. Demonstrate a proficiency in maintenance of power equipment.
3. Identify common landscape plant and turfgrass species and know their growth habits and maintenance requirements including pest management.
4. Apply critical and creative thinking skills to design and install landscapes (including turfgrass) and understand small business management.

GOAL 3

Graduates of the program will demonstrate professional qualities and professional ethics.

1. Demonstrate proficiency at safely operating landscape construction and maintenance power equipment to complete various landscape operations.
2. Gain practical experience and practice professionalism in the industry through onsite training.

HORTICULTURE - TURFGRASS OPERATIONS CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Horticulture -Turfgrass Operations certificate program is to prepare students for employment or the pursuit of a Horticulture Turfgrass Management Associate in Applied Science degree in the turfgrass industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the turfgrass industry.

GOAL 1

Certificate earners of the program will demonstrate an understanding of the technical knowledge and proficiency required of an entry-level employee in the turfgrass operation industry.

1. Demonstrate a fundamental understanding of basic horticultural principles and practices.
2. Demonstrate a fundamental understanding of soils, soil development, soil building and preparation, and sustainable soil management along with turf identification and management.
3. Demonstrate a fundamental understanding of turfgrass identification, selection, use, and maintenance of plant material best suited for conventional and sustainable landscapes.
4. Demonstrate a fundamental understanding of hydraulics and irrigation design, installation, and water management principles and practices.

GOAL 2

Certificate earners of the program will demonstrate turfgrass management skills required to obtain an entry-level position within the turfgrass industry.

1. Demonstrate proficiency in operating and servicing equipment used in the turfgrass industry.
2. Identify common landscape plant and turfgrass species and know their growth habits and maintenance requirements including pest management.

HVAC RESIDENTIAL INSTALLER CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Heating Ventilation and Air Conditioning (HVAC) Residential Installer certificate program is to provide students with the knowledge and skills to understand and follow the manufacturer's specifications when installing basic residential heating and air conditioning equipment as well as the skills to complete the installation. Students will learn the theory of residential heating and cooling through extensive laboratory experience as well as lectures. After completing this program, the graduates will be able to work as entry-level residential furnace and air conditioner installers.

GOAL 1

Graduates will demonstrate an understanding of the technical knowledge to perform as an entry-level residential HVAC installer.

1. Students will identify and describe the function of system components in residential natural gas furnace, propane gas furnace, and air-conditioning forced air systems.
2. Students will demonstrate technical knowledge of sizing piping, wiring, fuses, and breakers in residential heating and cooling systems.

GOAL 2

Graduates will demonstrate the skills appropriate for an entry-level residential HVAC installer.

1. Students will demonstrate and describe installation techniques of residential natural gas heating and cooling equipment according to manufacturer's instructions.
2. Students will demonstrate and describe the procedures of measuring, cutting, and joining of copper tubing, black iron pipe, PVC pipe, and CVPC pipe.
3. Students will demonstrate and describe the procedures of measuring, cutting, and joining of sheet metal.

GOAL 3

Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry-level residential HVAC installer.

1. Students will demonstrate and describe proper refrigerant handling techniques in accordance to Section 608 of the Federal Clean Air Act.
2. Students will demonstrate and describe ladder and fall prevention safety procedures in accordance to OSHA 29 CFR 1910.
3. Students will demonstrate and describe lockout/tagout safety procedures for control of hazardous energy sources in accordance to OSHA 29 CFR 1910.
4. Students will demonstrate and describe safety procedures for handling pressurized cylinders in accordance to OSHA 29 CFR 1910.
5. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC industry and business operation.

HVAC TECHNICIAN CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Heating Ventilation and Air Conditioning (HVAC) Technician certificate program is to provide students with the knowledge and skills pertaining to the maintenance and repairing of air conditioning systems as well as the following heating systems: natural gas, propane, electric, air source heat pumps, geothermal, and hydronic heating systems. After completing the program coursework consisting of both lecture and extensive laboratory experiences, the graduates will be able to work as entry-level HVAC technicians or general facilities repair persons.

GOAL 1

Graduates will demonstrate an understanding of the technical knowledge to perform as an entry-level HVAC technician.

1. Students will demonstrate technical knowledge of electric heat theory, air-source heat pump theory, ground-source heat pump theory, hydronic heating theory, and combustion theory of heating fuels.
2. Students will demonstrate technical knowledge by identifying and describing the function of system components used in electric heating, hydronic heating, air-source heat pump (heating/cooling), and ground-source heat pump (heating/cooling) systems.
3. Students will identify and describe the function of test instruments and tools required to diagnose residential heating and cooling systems.

GOAL 2

Graduates will demonstrate the skills appropriate for an entry-level HVAC technician.

1. Students will demonstrate and describe troubleshooting techniques of residential heating and cooling equipment according to manufactures instructions.
2. Students will demonstrate and describe the procedures in replacing faulty components in residential heating and cooling equipment.
3. Students will demonstrate and describe the skills to trouble shoot residential and light commercial HVAC components by using the appropriate test instruments.

GOAL 3

Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry-level HVAC technician.

1. Students will demonstrate and describe proper refrigerant handling techniques in accordance to Section 608 of the Federal Clean Air Act.
2. Students will demonstrate and describe ladder and fall prevention safety procedures in accordance to OSHA 29 CFR 1910.
3. Students will demonstrate and describe lockout/tagout safety procedures for control of hazardous energy sources in accordance to OSHA 29 CFR 1910.
4. Students will demonstrate and describe safety procedures for handling pressurized cylinders in accordance to OSHA 29 CFR 1910.
5. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC industry and business operation.

HVAC/R TECHNOLOGY AAS DEGREE

Department: Agricultural and Industrial Technologies

The mission of the Heating, Air Conditioning, and Refrigeration Technology Associate in Applied Science degree program is to provide students with the knowledge and skills pertaining to the maintenance, repair, and design of residential heating, cooling, and commercial refrigeration systems. After completing this program consisting of extensive laboratory as well as lecture-based coursework, graduates will be prepared to work as entry-level technicians in the following job classifications: heating, air conditioning, and refrigeration mechanics; sheet metal duct installers; residential heating and air conditioning installers; startup technicians; residential heating and air-conditioning designers; and general facilities repair persons.

GOAL 1

Graduates will demonstrate an understanding of the technical knowledge to perform as an entry-level HVAC/R startup technician.

1. Students will demonstrate technical knowledge of test, adjust, balance (TAB) theory.
2. Students will demonstrate an understanding of the specific knowledge and proficiency with test instruments and the tools required of a HVAC/R startup technician.
3. Students will demonstrate technical knowledge by identifying and describing auxiliary components and equipment.

GOAL 2

Graduates will demonstrate skills appropriate of an entry-level HVAC/R startup technician.

1. Students will describe and demonstrate the skills of TAB techniques of residential heating and cooling systems according to manufactures instructions.
2. Students will demonstrate and describe the skills to test residential and light commercial HVAC/R systems by using the appropriate TAB test instruments.
3. Students will describe and demonstrate the skills in the layout and building of sheet metal take-offs and rectangle-to-round transitions.

GOAL 3

Graduates will demonstrate an understanding of the technical knowledge to perform as an entry-level residential heating and air-conditioning designer.

1. Students will demonstrate technical knowledge and proficiency in determining how to maintain human comfort for residential and light commercial buildings according to ACCA Manual J and ACCA Manual S.
2. Students will demonstrate technical knowledge and proficiency in determining ventilation requirements of residential and light commercial buildings to maintain a safe and healthy indoor environment according to ACCA Manual J and Manual S.
3. Students will demonstrate technical knowledge and proficiency in determining the correct amount of conditioned air needed per room of residential and light commercial buildings according to ACCA Manual J, S, D, and ACCA Manual T.

GOAL 4

Graduates will demonstrate skills appropriate of an entry-level residential heating and air-conditioning designer.

1. Students will demonstrate and describe the procedures in determining the correct size of a gas furnace, heat pump, and air-conditioner from using manufacture's specification sheets in accordance to ACCA Manual Jae and Manual S.
2. Students will demonstrate and describe the procedures in determining ventilation requirements of residential and light commercial buildings according to ACCA Manual Jae.
3. Students will demonstrate and describe the procedures in determining the correct size of the duct distribution system of residential and light commercial buildings according to ACCA Manual D and ACCA Manual T.

GOAL 5

Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry-level start up technician.

1. Students will demonstrate and describe proper techniques of TAB documentation in accordance to ACCA Manual B.
2. Students will demonstrate and describe the creation of a preventive maintenance schedule for residential and light commercial heating and cooling systems.
3. Students will demonstrate and describe the Minimum Performance Standards for Comfort and Safety for Residential Single-Zone and Multi-Zone Systems according to ACCA and the 2012 Illinois Energy Conservation Code.
4. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC industry and business operation.

GOAL 6

Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry-level residential heating and air-conditioning designer.

1. Students will demonstrate and describe the minimum ventilation rates of residential and light commercial buildings in accordance to ACCA and the 2012 Illinois Energy Conservation Code.
2. Students will demonstrate and describe the minimum insulation values and envelope air leakage rates of residential and light commercial buildings in accordance to ACCA and the 2012 Illinois Energy Conservation Code.
3. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC industry and business operation.

IMEDIA CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the iMedia certificate program is to prepare students for employment or upgrade existing job skills needed in the modern digital publishing format industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and skills needed to create and manage eBooks, variable data processing, interactive PDFs (Portable Document Formats), CSS (Cascading Style Sheets), controlled websites, and designing augmented reality experiences.

GOAL 1

Graduates of the program will demonstrate basic knowledge of publication software.

1. Properly identify tools in the publishing software.
2. Demonstrate knowledge of publication content formatting using style sheets.

GOAL 2

Graduates of the program will produce digital format publication for distribution as eBook and web delivery.

1. Demonstrate proper CSS coding for formatting web site content.
2. List the types of interactivity possible using PDF file format.

GOAL 3

Graduates will demonstrate professional behavior.

1. Students will use professional language during class presentations.
2. Students will work independently.

INDUSTRIAL ELECTRICAL TECHNOLOGY AAS DEGREE

Department: Agricultural and Industrial Technologies

The mission of the Industrial Electrical Technology Associate in Applied Science degree program is to use lecture and hands-on laboratory experiences to prepare the graduate for employment as an Industrial Electrical Maintenance Technician by educating them in the knowledge, skills, and behaviors associated with the field.

GOAL 1

Graduates of the Industrial Electrical program will exhibit an understanding of technical knowledge required of an Industrial Electrical Maintenance technician.

1. Explain safe work practices in an industrial work environment.
2. Identify key aspects of Motor Control operation.

GOAL 2

Graduates of the program will demonstrate the proficiencies required of an Industrial Electrical Maintenance technician.

1. Demonstrate the ability to create ladder logic diagrams given system specifications.
2. Demonstrate the ability to create PLC programs and properly interface them to input and output (I/O) devices.

GOAL 3

Graduates of the Electronics Technology program will model the attitudes and behaviors necessary for an Industrial Electrical Maintenance technician.

1. Demonstrate safe work practices in performance of job specific tasks.
2. Demonstrate the ability to work effectively in group projects.

INDUSTRIAL MAINTENANCE CERTIFICATE

Department: Agricultural and Industrial Technologies

The Industrial Maintenance Certificate program of study prepares graduates for technical positions in the expanding field of electrical/mechanical systems installation and service.

GOAL 1

Graduates of the Industrial Maintenance Technology program will demonstrate an understanding of technical knowledge required of an entry-level Industrial Maintenance Technician.

1. Recognize pneumatic/hydraulic and VFD/electric-motor control diagrams.
2. Recognize PLC programs and their relationship to input and output devices.

GOAL 2

Graduates of the program will demonstrate entry-level skills proficiency typically expected of an entry-level Industrial Maintenance Technician.

1. Demonstrate an understanding of electrical and electronic circuits related to Industrial Maintenance.
2. Demonstrate an understanding of the use of test equipment related to entry-level employment as an Industrial Maintenance Technician.

GOAL 3

Graduates of the program will have a general understanding and appreciation for the attitudes and behaviors of an entry-level Industrial Maintenance Technician.

1. Explain the necessity for safe work practices in performance of job-specific tasks.
2. Work effectively in group settings.

INDUSTRIAL MAINTENANCE TECHNOLOGY AAS DEGREE

Department: Agricultural and Industrial Technologies

The mission of the Industrial Maintenance Technology Associate in Applied Science degree program is to provide experience to prepare the graduate for employment in industry/business as an electro-mechanical maintenance technician by educating them in the knowledge, skills, and behaviors as an Industrial Maintenance Technician.

GOAL 1

Graduates of the Industrial Maintenance Technology program will demonstrate the proficiencies required of an entry-level Industrial Maintenance Technician.

1. Demonstrate the ability to properly use test equipment in performance of duties for an Industrial Maintenance Technician.
2. Demonstrate the ability to analyze, construct and test electrical and electronic circuits from schematic diagrams.

GOAL 2

Graduates of the program will demonstrate specific knowledge and proficiency in the mechanical areas of fluid power and programmable controls.

1. Demonstrate the ability to analyze VFD/electric-motor control diagrams and construct them with appropriate hardware.
2. Demonstrate the ability to create PLC programs and properly interface them to input and output devices.

GOAL 3

Graduates of the program will have a general understanding and appreciation for professional standards in the workplace.

1. Demonstrate safe work practices in performance of job specific tasks.
2. Exhibit good class preparation.

INTERPRETER PREPARATION

Department: Humanities

The mission of the Interpreter Preparation program is to produce entry-level professional interpreters by educating students about D/deafness, the profession of interpreting, and expressive and receptive interpreting skills and techniques.

GOAL 1

Graduates will demonstrate knowledge to perform as entry-level interpreters.

1. Students will demonstrate knowledge of ASL grammatical structures.
2. Students demonstrate knowledge of the interpreting profession.
3. Students will exhibit knowledge of D/deaf culture norms.
4. Students will demonstrate knowledge of the Code of Professional Conduct of the Registry of Interpreters for the Deaf (RID) and the EIPA Guidelines for Professional Conduct.

GOAL 2

Graduates will demonstrate skills appropriate for an entry-level interpreter.

1. Students will demonstrate mastery of ASL vocabulary.
2. Students will demonstrate expressive and receptive interpreting skills.
3. Students will demonstrate expressive and receptive finger spelling skills.

GOAL 3

Graduates will demonstrate ethical and professional behaviors appropriate to an interpreter.

1. Students will demonstrate professional interactions with all parties in the internship setting.
2. Students will model adherence to the Code of Professional Conduct of the Registry of Interpreters for the Deaf (RID).
3. Students will model adherence to the EIPA Guidelines for Professional Conduct for Educational Interpreters.
4. Students will display culturally appropriate behaviors during interactions within D/deaf individuals in internship settings.

LAW ENFORCEMENT AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Associate in Applied Science Law Enforcement degree is to prepare students for employment in the law enforcement field by educating them in general education as well as specialized courses in criminal justice.

GOAL 1

Graduates will demonstrate ethical and service-oriented behaviors in the Criminal Justice profession in which they choose to work.

1. Students will demonstrate professional interaction with all parties in the industry, such as with police, judges, and defendants.
2. Students will demonstrate the ethics of professional responsibility within the criminal justice profession.

GOAL 2

Graduates will demonstrate skills of the Criminal Justice System in which they plan to work, along with the issues and problems that arise within that system.

1. Students will demonstrate investigative skills necessary to work within any field of the Criminal Justice system.
2. Students will demonstrate communication skills necessary to work within any field of the Criminal Justice system.
3. Students will demonstrate the ability to supervise personnel who work within the Criminal Justice system.
4. Students will use technology to access information about the court system; the laws, cases, and court rules.

GOAL 3

Graduates will demonstrate knowledge in the areas of criminal justice system.

1. Students will demonstrate knowledge of the cultural differences within the criminal justice systems worldwide.
2. Students will demonstrate knowledge of practices in the field of juvenile delinquency.
3. Students will demonstrate knowledge of practices in the field of corrections.
4. Students will demonstrate knowledge of practices in the field of policing.

LAW ENFORCEMENT CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Law Enforcement certificate is to prepare students for employment in the law enforcement field by educating them in specialized courses in criminal justice.

GOAL 1

Graduates will demonstrate ethical and service-oriented behaviors in the Criminal Justice profession in which they choose to work.

1. Students will demonstrate professional interaction with all parties in the industry, such as with police, judges, and defendants.
2. Students will demonstrate the ethics of professional responsibility within the criminal justice profession.

GOAL 2

Graduates will demonstrate skills of the Criminal Justice System in which they plan to work, along with the issues and problems that arise within that system.

1. Students will demonstrate investigative skills necessary to work within any field of the Criminal Justice system.
2. Students will demonstrate communication skills necessary to work within any field of the Criminal Justice system.
3. Students will demonstrate the ability to supervise personnel who work within the Criminal Justice system.
4. Students will use technology to access information about the court system; the laws, cases, and court rules.

GOAL 3

Graduates will demonstrate knowledge in the areas of the criminal justice system.

1. Students will demonstrate knowledge of the cultural differences within the criminal justice systems worldwide.
2. Students will demonstrate knowledge of practices in the field of juvenile delinquency.
3. Students will demonstrate knowledge of practices in the field of corrections.
4. Students will demonstrate knowledge of practices in the field of policing.

LIBRARY TECHNICAL ASSISTANT CERTIFICATE

Department: Library

The mission of the Library Technical Assistant certificate program is to prepare students for employment in various types of libraries and to provide a foundational education in library services and information studies. LTA graduates possess basic skills in: collection development, cataloging, media technology, technology troubleshooting, reference, and patron services to serve in libraries and information centers. This certificate may be of interest to anyone currently working as a paraprofessional in a library or anyone seeking professional development opportunities.

GOAL 1

Graduates will demonstrate foundational knowledge appropriate to perform as an entry-level Library Technical Assistant.

1. Students will demonstrate knowledge of library service and customer care principles.
2. Students will demonstrate knowledge of acquisitions and collection development.
3. Students will exhibit knowledge of information literacy.
4. Students will demonstrate knowledge of the American Library Association's Professional Code of Ethics.

GOAL 2

Graduates will demonstrate skills appropriate for an entry Library Technical Assistant.

1. Students will model proficient reference service skills and be able to troubleshoot problems related to circulation and resource sharing.
2. Students will be able to set-up, operate, and perform basic troubleshooting on audio-visual and computer hardware and software.
3. Students will demonstrate basic cataloging, classification, and collection development skills.
4. Students will be able to serve people in accordance with customer care principles.

GOAL 3

Graduates will demonstrate ethical and professional behaviors.

1. Students will demonstrate professional interactions in the workplace.
2. Students will use information ethically.
3. Students will demonstrate adherence to the ALA Professional Code of ethics.

LICENSED PRACTICAL NURSING CERTIFICATE

Department: Health Careers

The mission of the Licensed Practical Nurse certificate is to effectually provide educational resources within theory, laboratory, and clinical experiences to prepare graduates for a successful professional nursing career as a Licensed Practical Nurse.

GOAL 1

Graduates of the nursing program will demonstrate competency in skill performance as a registered nurse.

1. Students will demonstrate nursing skills based on application of scientific and theoretical knowledge in the health skills lab setting prior to performing skills in clinical setting.
2. Students will demonstrate nursing skill competency while caring for patients in the clinical setting.

GOAL 2

Graduates of the program will communicate effectively to develop appropriate interpersonal relationships within the healthcare environment.

1. Students will verbally communicate effectively with patient, family, and healthcare team.
2. Students will communicate application of theoretical knowledge of patient care via verbal, electronic, and written means.

GOAL 3

Graduates of the program will apply nursing knowledge and critical thinking to promote wellness and patient.

1. Students will utilize critical thinking skills to analyze patient situations and respond appropriately within the clinical setting.
2. Students will utilize the nursing process to individualize holistic care within the clinical setting.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.
4. Students will teach concepts of wellness, health, and illness while acknowledging the diversity of patients, families, and/or significant others.

GOAL 4

Graduates of the program will adhere to the standards of nursing practice, as outlined in the Illinois Nurse Practice Act.

1. Students will provide care in a safe manner.
2. Students will adhere to confidentiality guidelines while providing patient care.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.

LPN TO RN COMPLETION PROGRAM AAS DEGREE

Department: Health Careers

The mission of the Associate in Applied Science Licensed Practical Nurse to Registered Nurse completion program is to effectually provide educational resources within theory, laboratory, and clinical experiences to prepare the graduate for a successful professional nursing career as a Registered Nurse.

GOAL 1

Graduates of the nursing program will demonstrate competency in skill performance as a registered nurse.

1. Students will demonstrate nursing skills based on application of scientific and theoretical knowledge in the health skills lab setting prior to performing skills in clinical setting.
2. Students will demonstrate nursing skill competency while caring for patients in the clinical setting.

GOAL 2

Graduates of the program will communicate effectively to develop appropriate interpersonal relationships within the healthcare environment.

1. Students will verbally communicate effectively with patient, family, and healthcare team.
2. Students will communicate application of theoretical knowledge of patient care via verbal, electronic, and written means.

GOAL 3

Graduates of the program will apply nursing knowledge and critical thinking to promote wellness and patient adaptation in health and/or illness.

1. Students will utilize critical thinking skills to analyze patient situations and respond appropriately within the clinical setting.
2. Students will utilize the nursing process to individualize holistic care within the clinical setting.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.
4. Students will teach concepts of wellness, health, and illness while acknowledging the diversity of patients, families, and/or significant others.

GOAL 4

Graduates of the program will adhere to the standards of nursing practice, as outlined in the Illinois Nurse Practice Act.

1. Students will provide care in a safe manner.
2. Students will adhere to confidentiality guidelines while providing patient care.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.

MACHINE TOOL TECHNOLOGY AAS DEGREE

Department: Agricultural & Industrial Technologies

The mission of the Machine Tool Technology Associate in Applied Science degree program is to prepare students with the skills in the operation of machine tools for entry-level positions as industry professionals including precision machinists, mold makers, die makers, and tool makers.

GOAL 1

Students display general behavior and attitudes expected of an entry-level production team member by a manufacturing, construction, agricultural or fabrication oriented business.

1. Demonstrate positive attitudes and acceptable behaviors for such things as reporting to work regularly and on time, working in a team, honesty, quality-minded, and accepting alternative points of view.
2. Follow all prescribed safety rules including the wearing of personal protection devices, properly using lifting tools to move equipment & supplies, following lockout/tagout procedures, and site specific requirements.

GOAL 2

Graduates of the program will have a general understanding and appreciation for the procedures within manufacturing such as safety, quality, logistics, and accurate reporting, and be prepared to positively contribute to the production team.

1. Use rulers, gauges, and precision measuring tools to properly identify sizes and locations of part features and sizes of welds.
2. Interpret industrial drawings.

GOAL 3

Graduate will demonstrate the aptitude, attitude, reasoning, and communication skills to lead production teams, design machine tool layouts on the shop floor, develop procedures to check part quality, and continue their education towards a bachelor of applied science degree.

1. Communicate in a formal manner both written and oral, that which expected of supervisors or mid-level managers.
2. Prepare reports detailing conclusions and recommendations for manufacturing process optimization and analysis of manufacturing problems.

GOAL 4

Graduates of the program will demonstrate the understanding of engineering drawings, materials science, manufacturing processes, quality assurance, and other areas that prepares graduates to pursue a bachelor's degree or enter into employment as a production professional.

1. Troubleshoot machining problems including tooling, finish, dimensional errors, and work holding.
2. Program machine tools using manual and computer assisted methods.
3. Safely operate manual machine tools.
4. Safely operate CNC machine tools.

MANAGEMENT - SUPPLY CHAIN MANAGEMENT OPTION AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Supply Chain Management program is to prepare students for employment in Supply Chain Management through education in management, fundamental business concepts, and supply chain management.

GOAL 1

The graduate will have developed competencies in management, fundamental business concepts and supply chain management.

1. The student demonstrates knowledge of basic business concepts and functional areas.
2. The student understands the role of manufacturing in our economy and the basic types of manufacturing processes and supply chains.
3. The student is familiar with methods of inventory management and the necessity of good inventory management.

GOAL 2

The graduate is aware of ethical behavior as it pertains to employment.

1. The student will be aware of ethical issues in the supply chain management and chooses to respond ethically.
2. The student demonstrates the ability to support quality initiatives in the workplace.

GOAL 3

The graduate will have practical knowledge, techniques, and theory needed to work effectively, to solve current problems, and to develop new strategies and direction.

1. The student demonstrates knowledge of change management.
2. The student demonstrates knowledge of best practices in supply chain management.
3. The student will develop good oral and written communication skills.

GOAL 4

Graduates of the program will demonstrate the appropriate skills for an entry-level supervisor.

1. The student will be able to analyze workplace problems and formulate solutions.
2. The student will demonstrate an understanding of the four functions of management.
3. The student can interpret financial reports and statements relating to production and has developed skills in purchasing management.
4. Students demonstrate the development of management and people skills.

MANAGEMENT OF SUPPLY CHAIN CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Management of Supply Chain certificate program is to prepare students for employment in Supply Chain Management through education in management, fundamental business concepts, and supply chain management.

GOAL 1

The graduate will demonstrate specific knowledge and proficiency in the supply chain field.

1. The student understands the role of manufacturing in our economy and the basic types of manufacturing processes and supply chains.
2. The student is familiar with methods of inventory management and the necessity of good inventory management.
3. The student demonstrates management skills.

GOAL 2

Graduates will have developed the competencies to succeed in supply chain management employment.

1. The student can execute and evaluate work plans.
2. The student can execute and evaluate cost control and risk management.
3. Students demonstrate skills in project management.

GOAL 3

The graduate will be aware of ethical behavior as it pertains to employment.

1. The student will be aware of ethical issues in the supply chain management and chooses to respond ethically.
2. The student demonstrates the ability to support quality initiatives in the workplace.

MANUFACTURING ENGINEERING TECHNOLOGY AAS DEGREE

Department: Agricultural & Industrial Technologies

The mission of the Manufacturing Engineering Technology Associate in Applied Science degree program is to prepare students with the skills and knowledge for entry-level positions in manufacturing firms.

Students will learn about manufacturing processes as well as manufacturing equipment, parts, and quality problems.

GOAL 1

Students display general behavior and attitudes expected of an entry-level production team member by a manufacturing, construction, agricultural or fabrication oriented business.

1. Demonstrate positive attitudes and acceptable behaviors for such things as reporting to work regularly and on time, working in a team, honesty, quality-minded, and accepting alternative points of view.
2. Follow all prescribed safety rules including the wearing of personal protection devices, properly using lifting tools to move equipment & supplies, following lockout/tagout procedures, and site specific requirements.

GOAL 2

Graduates of the program will have a general understanding and appreciation for the procedures within manufacturing such as safety, quality, logistics, and accurate reporting, and be prepared to positively contribute to the production team.

1. Use rulers, gauges, and precision measuring tools to properly identify sizes and locations of part features and sizes of welds.
2. Interpret industrial drawings.

GOAL 3

Graduate will demonstrate the aptitude, attitude, reasoning, and communication skills to lead production teams, design machine tool layouts on the shop floor, develop procedures to check part quality, and continue their education towards a bachelor of applied science degree.

1. Communicate in a formal manner both written and oral, that which expected of supervisors or mid-level managers.
2. Prepare reports detailing conclusions and recommendations for manufacturing process optimization and analysis of manufacturing problems.

GOAL 4

Graduates of the program will demonstrate the understanding of engineering drawings, materials science, manufacturing processes, quality assurance, and other areas that prepares graduates to pursue a bachelor's degree or enter into employment as a production professional.

1. Compare manufacturing methods to assure optimization, quality assurance, and appropriate use of technology.
2. Troubleshoot machining problems including tooling, finish, dimensional errors, and work holding.
3. Design statistical tests to analyze the quality and quality trends of manufacturing data.

MASSAGE THERAPIST CERTIFICATE

Department: Health Careers

The mission of the Massage Therapist program is to provide the curriculum and clinical experiences to empower students with the knowledge, skills, and affective elements necessary to successfully practice massage therapy in the workplace.

GOAL 1

Graduates of the program will demonstrate application of knowledge of massage therapy principles.

1. Students will demonstrate effective propping of client in the clinic massage therapy setting.
2. Students will demonstrate appropriate draping of client in the clinic massage therapy setting.
3. Students will address endangerment sites appropriately in the clinic massage therapy setting.
4. Students will analyze and notate client posture in the clinic massage therapy setting.

GOAL 2

Graduates of the program will demonstrate competency of technical skills performed by a massage therapist.

1. Students will demonstrate effective verbal communication in the clinic massage therapy setting.
2. Students will demonstrate an orchestrated flow in the clinic massage therapy setting.
3. Students will demonstrate effective strokes in the clinic massage therapy setting.
4. Students will demonstrate proper use of lubricants in the clinic massage therapy setting.
5. Students will demonstrate proper body mechanics in the clinic massage therapy setting.

GOAL 3

Graduates of this program will display suitable affective elements in the massage therapy environment: appearance, confidence, nurturing, boundaries, and attitude.

1. Students will demonstrate a professional appearance in the clinic massage therapy setting.
2. Students will demonstrate confidence in the clinic massage therapy setting.
3. Students will be nurturing toward clients in the clinic massage therapy setting.
4. Students will display proper emotional and physical boundaries with clients in the clinic massage setting.
5. Students will display a professional attitude in the clinic massage setting.

MECHANICAL ENGINEERING TECHNOLOGY

Department: Agricultural and Industrial Technologies

The mission of the Mechanical Engineering Technology Associate in Applied Science program is to prepare students to continue on for a bachelor's degree in manufacturing engineering or industrial technology or to enter the workforce in the manufacturing community by educating them in various aspects of the profession.

GOAL 1

Graduates of the program will demonstrate the understanding of engineering drawings in order to pursue a bachelor's degree or enter into employment as a mechanical design professional.

1. Students will be able to create 3d solid models in Creo, formerly called Pro-E, using extrude, revolve, sweep and blend commands.
2. Students will be able to edit existing models and change size and location of features.

GOAL 2

Graduates of the program will demonstrate specific procedures within the area of mechanical design such as detailing, illustrating that they are well prepared to positively contribute to the design team.

1. Students will assign dimensions to drawings according to ANSI standards.
2. Students will assign welding symbols to drawings.

GOAL 3

Students will demonstrate professional behavior.

1. Students will use formal professional language during presentations displaying their work.
2. Students will be able to work independently.

MEDICAL ASSISTANT CERTIFICATE

Department: Health Careers

The mission of the Medical Assistant program is to prepare students to be competent, entry-level medical assistants by educating them in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

GOAL 1

Graduates will exhibit clinical competency as an entry-level medical assistant.

1. Students will demonstrate knowledge of basic math computations using applied mathematics.
2. Students will apply appropriate principles of human anatomy and physiology by performing patient skills competencies.
3. Students will demonstrate knowledge of proper infection control techniques to ensure compliance with CDC regulations in health care settings.

GOAL 2

Graduates will demonstrate concepts of effective communication as an entry-level medical assistant.

1. Students will demonstrate professional telephone techniques.
2. Students will demonstrate ability to respond appropriately to nonverbal communication.
3. Students will demonstrate ability to report relevant information to the physician.
4. Students will demonstrate ability to instruct a patient according to a patient's special dietary needs.

GOAL 3

Graduates will exhibit administrative skills necessary for an entry-level medical assistant.

1. Students will demonstrate competence in obtaining accurate patient billing information.
2. Students will demonstrate competence in Basic Practice Finances & 3rd Party Reimbursement.
3. Students will demonstrate competency in how to use the most current CPT & ICD coding systems.

GOAL 4

Graduates will model professional behavior appropriate for an entry-level medical assistant.

1. Students will describe the state's legal scope of practice for a medical assistant.
2. Students will demonstrate professional telephone techniques.

GOAL 5

Graduates will exhibit appropriate critical thinking skills necessary for an entry-level medical assistant.

1. Students will effectively evaluate the work environment to identify unsafe working conditions.
2. Students will participate in a mock exposure event with documentation of steps taken.

MEDICAL CODER CERTIFICATE

Department: Health Careers

The mission of the Medical Coder certificate program is to provide students with fundamental concepts, knowledge, and skills in medical coding, in preparation for entry-level careers in medical offices, hospitals, clinics, nursing homes, insurance companies, and governmental agencies.

GOAL 1

Program graduate will demonstrate entry-level coding skills needed for medical coders.

1. Students will demonstrate understanding of the basic coding concepts by assigning appropriate CPT codes based on published coding guidelines.
2. Students will demonstrate understanding of the basic coding concepts by assigning appropriate ICD-10 codes based on published coding guidelines.

GOAL 2

Program graduates will evaluate Health Record content and documentation.

1. Students will interpret health record documentation using knowledge of anatomy, physiology, clinical disease process, pharmacology, and medical terminology to identify codable diagnoses and or procedures.
2. Students will determine when additional clinical documentation is needed to assign the diagnosis and/or procedure codes.

GOAL 3

Program graduates will follow the AHIMA code of ethics.

1. Students will assign and report codes based on supporting documentation and not own interpretation.
2. Students will protect confidentiality of the health record.

GOAL 4

Program graduates will demonstrate proficiency in coding software.

1. Students will demonstrate the correct coding path in the encoder to arrive at the correct code assignment.
2. Students will consult reference materials in encoder to facilitate code assignments.

MEDICAL LABORATORY TECHNICIAN AAS DEGREE

Department: Health Careers

The mission of the Medical Laboratory Technician program is to prepare its students with entry-level skills for practice in a clinical laboratory by providing the resources, curriculum, and clinical experiences to its students.

GOAL 1

Cognitive

Graduates will demonstrate specific knowledge and proficiency to practice at the entry-level in a medical laboratory setting.

1. Outcome 1: Students will demonstrate competency on each of the major disciplines in the medical laboratory technology.
2. Outcome 2: Students will effectively transition information and experiences learned in the program to performance on the National Board Certification Exam and employment situations.

GOAL 2

Psychomotor

The students will be able to apply learned theories to demonstrate necessary skills to perform as a medical laboratory technician as defined in the Standard of Accredited Educational Programs of the Medical Laboratory Technician.

1. Outcome 1: Students will apply the learned discipline-specific theory to achieve a satisfactory assessment for each discipline during their clinical practicum in the medical laboratory settings.
2. Outcome 2: Graduates will meet employers' expectations.

GOAL 3

Affective

Students will communicate effectively in written, verbal, and non-verbal communication.

1. Outcome 1: Students will demonstrate professional conduct, communication, and interpersonal relations with laboratory personnel, patients, other health care professionals, and the public.
2. Outcome 2: Students will write a report on a clinical case study and present to class.

MEDICAL OFFICE ADMINISTRATIVE ASSISTANT CERTIFICATE

Department: Health Careers

The mission of the Medical Office Administrative Assistant program is to prepare students to be competent, entry-level medical office administrative assistants by educating them in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

GOAL 1

Graduates will demonstrate concepts of effective communication as an entry-level medical office administrative assistant.

1. Students will demonstrate professional telephone techniques.
2. Students will demonstrate recognition of importance of responding to nonverbal communication.
3. Students will demonstrate ability to report relevant information to the physician.

GOAL 2

Graduates will exhibit administrative skills necessary for an entry-level medical office administrative assistant.

1. Students will demonstrate competence in obtaining accurate patient billing information.
2. Students will demonstrate competence in Basic Practice Finances & Third-Party Reimbursement.
3. Students will demonstrate competency in how to use the most current CPT & ICD-10 coding systems.

GOAL 3

Graduates will model professional behavior appropriate for an entry-level medical office administrative assistant.

1. Students will describe the state's legal scope of practice for a medical assistant.
2. Students will apply HIPAA rules in regard to release of information and patient confidentiality.

GOAL 4

Graduates will exhibit appropriate critical thinking skills necessary for an entry-level medical office administrative assistant.

1. Students will effectively evaluate the work environment to identify unsafe working conditions.
2. Students will participate in a mock exposure event with documentation of steps taken.
3. Students will apply appropriate principles of human anatomy and physiology.

NETWORK ADMINISTRATOR AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Network Administrator AAS degree is to prepare students for employment as network administrators by teaching them to install, configure, maintain, and troubleshoot network operating systems and CISCO routers and switches.

GOAL 1

Graduates will demonstrate the appropriate technical skills for an entry-level network technician.

1. Students will be able to install desktop and server operating systems.
2. Students will be able to configure server operating systems for network connectivity.

GOAL 2

Graduates of the program will demonstrate technical knowledge to perform as an entry-level technician.

1. Students will understand how to calculate ip addressing.
2. Students will understand how to calculate subnets.

NETWORKING CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Networking certificate is to prepare students for employment as network technicians by teaching them to install, configure, maintain, and troubleshoot Windows operating systems and CISCO routers and switches.

GOAL 1

Graduates will exhibit the appropriate technical skills for an entry-level network technician.

1. Students will be able to install desktop and server operating systems.
2. Students will be able to configure server operating systems for network connectivity.

GOAL 2

Graduates of the program will demonstrate technical knowledge to perform as an entry-level network technician.

1. Students will understand how to calculate ip addressing.
2. Students will understand how to calculate subnets.

NURSING ASSISTANT CERTIFICATE

Department: Health Careers

The mission of the Nursing Assistant program is to provide the resources, curriculum, and clinical experiences to enable graduates to attain entry-level employment as nursing assistants in long-term care facilities, hospitals, and other health care settings.

GOAL 1

Graduates will demonstrate correct performance of basic nursing skills, personal care skills, and basic restorative skills.

1. Students will demonstrate proficiency in the 21 basic skills required per IDPH.
2. Students will demonstrate proficiency in taking vitals prior to clinical.

GOAL 2

Graduates will demonstrate professional behaviors.

1. Students will maintain a professional appearance in the clinical setting.
2. Students will be on time for class.
3. Students will maintain a positive attitude while improving skills in the clinical setting.

GOAL 3

Graduates will demonstrate knowledge of Nursing Assistant scope of practice.

1. Students will pass the State Exam.
2. Students will pass the Nursing Assistant Training course.

OCCUPATIONAL THERAPY ASSISTANT AAS DEGREE

Department: Health Careers

The mission of the Occupational Therapy Assistant Associate in Applied Science degree program at Illinois Central College is to effectively provide educational resources within theory, laboratory, and fieldwork experiences to prepare graduates for a successful career in occupational therapy service delivery and to begin generalist practice as an entry-level occupational therapy assistant.

GOAL 1

Graduates of the program will demonstrate an understanding and application of knowledge from the Occupational Therapy Practice Framework: Domain and Process, theory, models of practice and guidelines for practice utilized in the occupational therapy process.

1. The student will demonstrate an understanding of the importance of occupational therapy history, theory, and philosophical base of the profession and its relevance to current practice.
2. The student will demonstrate knowledge and an understanding of the Occupational Therapy Practice Framework: Domain and Process.
3. The student will articulate the role of the occupational therapist and the occupational therapy assistant throughout the occupational therapy process.
4. The student will demonstrate skill in task analysis in areas of occupation, performance skills, performance patterns, activity demands, context and environments, and client factors to implement client-centered interventions.

GOAL 2

Graduates of the program will exhibit proficiency in the delivery of interventions to facilitate participation and enhance occupational performance across the lifespan.

1. The student will demonstrate knowledge in the development of evidence-based approaches in the selection of occupation-based strategies appropriate to individual and group intervention planning, implementation and review of outcomes addressing the geriatric and psychosocial needs of identified populations.
2. The student will demonstrate an understanding of the use of technology to support performance, participation, health, and well-being to include: keyboarding, use of the internet, electronic documentation systems, distance communication, virtual environments, assistive technology, and telehealth technology.
3. The student will demonstrate knowledge and understanding of bones, bony landmarks, joint structures, muscle groups, and their functions in occupation-based assessment and intervention.
4. The student will demonstrate an understanding of the use of assistive technology, compensatory strategies, and sensory integration principles to enhance occupational performance in traditional and emerging pediatric practice settings.

GOAL 3

Graduates of the program will perform entry-level skills to practice as a generalist in a variety of traditional and emerging occupational therapy practice settings.

1. The student will articulate and demonstrate appropriate judgment in regard to safety of self and others and by adhering to safety regulations throughout the occupational therapy process.

2. The student will demonstrate skill competency in goniometry, range of motion, coordination, muscle strength, and functional mobility assessment procedures, interventions, and documentation requirements.
3. The student will select and provide direct occupational therapy assessments and interventions to enhance safety and promote occupational performance in ADLs, IADLs, education, play, rest, leisure, and social participation with individuals and pediatric populations.
4. The student will demonstrate an understanding of the use of remediation strategies, assistive technology, compensatory strategies, and environmental adaptations to enhance occupational performance in home, work, school, and community settings.

GOAL 4

Graduates of the program will effectively interact through written, oral and non-verbal communication with the client, family, significant others and the public in a professionally acceptable manner.

1. The student will demonstrate effective written and oral communication in context of appropriate settings in which occupational therapy service delivery addresses intervention planning, implementation, review of outcomes and documentation.
2. The student will utilize sound professional judgement in regard to safety of self and others by demonstrating proper care and maintenance of lab equipment and supplies and by adhering to safety regulations throughout the occupational therapy process as appropriate to setting and scope of practice.
3. The student will demonstrate skill in performing, teaching, and adapting selected occupations and activities as reflected in current occupational therapy practice.
4. The student will demonstrate skill competency in goniometry, range of motion, coordination, muscle strength, and functional mobility assessment procedures, interventions, and documentation requirements.
5. The student will demonstrate effective written, oral, and nonverbal communication skills throughout the occupational therapy process with individuals across the life span as an interprofessional team member and advocate to ensure accountability of service provision.

GOAL 5

Graduates of the program will model positive behaviors to promote effective interprofessional team collaboration.

1. The student will identify the principles and historical perspective of development and the dynamics of normal and abnormal human behavior across the lifespan.
2. The student will demonstrate effective written, oral, and nonverbal communication skills throughout the occupational therapy process and as an interprofessional team member and advocate to ensure accountability of service provision to pediatric populations.
3. The student will demonstrate the ability to plan service delivery, educate, and promote the profession of occupational therapy to various interprofessional team members and the community.
4. The student will demonstrate professionalism throughout the occupational therapy process.

OFFICE PROFESSIONAL AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Office Professional degree is to prepare students for entry-level employment by helping them develop the necessary office skills, technological skills, and human relations skills.

GOAL 1

Graduates of the program will demonstrate appropriate keyboarding skills for an entry-level office position.

1. Students will demonstrate accurate touch-typing skill and speed.
2. Students will demonstrate accurate 10-key skill and speed.

GOAL 2

Graduates of the program will demonstrate or describe appropriate procedural skills for an entry-level office position.

1. Students will be able to accurately complete basic journal entries in a double-entry bookkeeping system.
2. Students will be able to accurately manage office communications.
3. Students will be able to maintain and retrieve accurate office records.

GOAL 3

Graduates of the program will demonstrate technological skills needed for an entry-level office.

1. Students will be able to construct mailable documents using current word processing software.
2. Students will be able to construct and interpret accurate workbooks using current spreadsheet software.
3. Students will be able to construct and utilize basic data bases using current data base software.
4. Students will be able to construct basic presentations using current presentation software.

GOAL 4

Graduates of the program will demonstrate or describe appropriate human relations attitudes and behaviors needed for an entry-level office position.

1. Students will be able to demonstrate or describe appropriate human relations attitudes needed by entry-level office personnel.
2. Students will be able to demonstrate or describe appropriate human relations behaviors needed by entry-level office personnel.

PAGE LAYOUT CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Page Layout certificate program is to prepare students for employment or upgrade existing job skills in the publishing industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and skills ranging from traditional page layout for print as well as new electronic book formatting for eReaders/epubs devices.

GOAL 1

Graduates of the program will demonstrate knowledge of vector graphic creation.

1. Construct a graphic using the pen tool.
2. Identify the tools and shortcut keys.

GOAL 2

Graduates of the program will demonstrate basis knowledge of layout software.

1. Properly identify tools in the publishing software.
2. Demonstrate know of publication content formatting using style sheets.

GOAL 3

Graduates will demonstrate professional behavior.

1. Students will use professional language during class presentations.
2. Students will work independently.

PARALEGAL AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Paralegal Associate in Applied Science degree is to produce competent, well-rounded students for employment to be able to work under the supervision of an attorney in the many areas of the practice of law; specifically, by educating them in the areas of performing such tasks as legal research, client interviews, investigations, preparation of legal documents, and other legal work as delegated by an attorney. Paralegals are employed by private law firms, corporations, governmental agencies, insurance companies, title companies, and financial institutions.

GOAL 1

Graduates will demonstrate ethical and service-oriented behaviors in the legal profession working under direct attorney supervisor, resulting in exceptional and effective assistance to attorneys, judges, and other legal organizations.

1. Students will demonstrate professional interaction with all parties in the internship setting.
2. Students will demonstrate the canons of professional responsibility within the paralegal profession.

GOAL 2

Graduates will demonstrate skills of legal professionals' research, writing, and documentation skills, resulting in exceptional and effective assistance to attorneys, judges, and other legal organizations.

1. Students will perform legal research in the library and online while stressing the fundamentals of legal analysis and writing, citation checking, and verification of authority.
2. Students will research, analyze, and apply both federal and state codes, both civil and criminal, to a variety of fact patterns and will further be able to apply and analyze rules of evidence as they apply to those fact patterns.

GOAL 3

Graduates will demonstrate knowledge in the areas of civil, family, probate, administrative, and business law, resulting in exceptional and effective assistance to attorneys, judges, and other legal organizations.

1. Students will document, manage case files, and conducting case specific research related to family law and civil law.
2. Students will document, managing case files, and conducting case specific research related to administrative law and business law.
3. Students will document, managing case files, and conducting case specific research related to probate law.

GOAL 4

Graduates will demonstrate knowledge of the legal environment and understanding of the roles of the professions.

1. Students will describe and define the roles of the paralegal in the legal profession through mastering legal terminology, reviewing basic legal research and developing professional ethics.
2. Students will perform routine tasks involved in managing a law office, including managing case files, software, billing, and ethical considerations.

PARALEGAL CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Paralegal post-degree certificate (these students have completed an underlying degree, and will add a Paralegal Certificate to that degree) is to produce competent, well-rounded students for employment to be able to work under the supervision of an attorney in the many areas of the practice of law; specifically by educating them in the areas of performing such tasks as legal research, client interviews, investigations, preparation of legal documents, and other legal work as delegated by an attorney. Paralegals are employed by private law firms, corporations, governmental agencies, insurance companies, title companies, and financial institutions.

GOAL 1

Graduates will demonstrate ethical and service-oriented behaviors in the legal profession working under direct attorney supervisor, resulting in exceptional and effective assistance to attorneys, judges, and other legal organizations.

1. Students will demonstrate professional interaction with all parties in the internship setting.
2. Students will demonstrate the canons of professional responsibility within the paralegal profession.

GOAL 2

Graduates will demonstrate skills of legal professionals' research, writing, and documentation skills, resulting in exceptional and effective assistance to attorneys, judges, and other legal organizations.

1. Students will perform legal research in the library and online while stressing the fundamentals of legal analysis and writing, citation checking, and verification of authority.
2. Students will research, analyze, and apply both federal and state codes, both civil and criminal, to a variety of fact patterns and will further be able to apply and analyze rules of evidence as they apply to those fact patterns.

GOAL 3

Graduates will demonstrate knowledge in the areas of civil, family, probate, administrative, and business law, resulting in exceptional and effective assistance to attorneys, judges, and other legal organizations.

1. Students will document, manage case files, and conducting case specific research related to family law and civil law.
2. Students will document, managing case files, and conducting case specific research related to administrative law and business law.
3. Students will document, managing case files, and conducting case specific research related to probate law.

GOAL 4

Graduates will demonstrate knowledge of the legal environment and understanding of the roles of the professions.

1. Students will describe and define the roles of the paralegal in the legal profession through mastering legal terminology, reviewing basic legal research and developing professional ethics.
2. Students will perform routine tasks involved in managing a law office, including managing case files, software, billing, and ethical considerations.

PARAMEDIC AAS DEGREE

Department: Health Careers

The mission of the Illinois Central College Paramedic program is to prepare competent entry-level Emergency Medical Technician-Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains, with or without exit points at the Emergency Medical Technician-Intermediate, and/or Emergency Medical Technician-Basic, and/or First Responder levels.

GOAL 1

Students will acquire the knowledge necessary to gain employment.

1. Students will exhibit an understanding of the fundamental concepts of emergency medical care.
2. Students will successfully complete a final cumulative knowledge-based examination.
3. Students will successfully complete the certification/licensure examination.

GOAL 2

Students will demonstrate healthcare team leadership skills.

1. Students will be awarded "team leader" designation in excess of the minimum requirements during the field clinical experience of the program.
2. Students will serve as a "team leader" and direct patient care during their field clinical experience.
3. Students will demonstrate and direct management of patient care prior to challenging the certification/licensure examination.

GOAL 3

Students will acquire and develop the psychomotor skills required of an entry-level Paramedic.

1. Students will successfully complete the psychomotor cumulative evaluation prior to challenging the certification/ licensure examination.
2. Students will achieve and demonstrate competency in all psychomotor patient skills.

PHLEBOTOMIST CERTIFICATE

Department: Health Careers

The mission of the Phlebotomist program is to prepare its students to properly and safely perform micropunctures and venipunctures in a professional manner by providing the resources, curriculum, and clinical experiences to its students.

GOAL 1

Cognitive

Graduates will demonstrate specific knowledge and proficiency to practice in a blood collection center.

1. Outcome 1: Students will demonstrate competency in phlebotomy prior to beginning their clinical practicum.
2. Outcome 2: Students will demonstrate knowledge of current venipuncture and micropuncture practice, and safety in a medical laboratory, and proficiency to practice at a phlebotomist.

GOAL 2

Psychomotor

The students will be able to apply learned theories to demonstrate necessary skills to perform venipuncture and micropuncture during their clinical practicum.

1. Outcome 1: Students will apply the learned discipline-specific theory to achieve a satisfactory assessment during their clinical practicum in collection center.
2. Outcome 2: Students will successfully perform the minimum required collections at the end of the clinical practicum.

GOAL 3

Affective

Students will communicate effectively in written, verbal, and non-verbal communication.

1. Outcome 1: Students will demonstrate professional conduct, communication, and interpersonal relations with laboratory personnel, patients, other health care professionals, and the public.

PHYSICAL THERAPIST ASSISTANT AAS DEGREE

Department: Health Careers

The mission of the Physical Therapist Assistant (PTA) program is to provide the knowledge and skills and develop attitudes which prepare graduates to function as an entry-level PTA who will work under the direction and supervision of the physical therapist.

GOAL 1

Students will demonstrate competency in skill performance as an entry-level PTA.

1. Students will demonstrate competency with classroom theory and practical skills to progress to clinical courses.
2. Sophomore students will demonstrate retention of freshman year theory and skills application.
3. Students will pass the skills-check list in PTA courses with a lab component.
4. Students will score entry-level performance with the final clinical course, Clinical 3 (PHTA 232).

GOAL 2

Students will adhere to ethical standards as outlined in the APTA's Code of Conduct for the PTA.

1. Students will demonstrate ethical and professional behaviors in the clinical setting.
2. Students will demonstrate knowledge of the Code of Ethics for the PTA.
3. Students will apply Code of Ethics to clinical case studies.

GOAL 3

Students will be aware of cultural and individual difference in providing patient care.

1. Students will understand the concepts related to culture in the patient-care setting.
2. Student will provide quality patient care regardless of individual and/or cultural differences.

GOAL 4

Students will apply the knowledge and critical thinking skills to provide physical therapy treatments in a safe manner.

1. Students will be safe when providing physical therapy interventions in the clinical setting.
2. Students will provide a rationale when a treatment should be withheld or modified based on patient response.
3. Students will demonstrate safety with therapy interventions in the lab setting prior to progressing to clinical courses.

GOAL 5

Students will develop a plan for lifelong learning for professional growth after program completion.

1. The student will develop a 1-, 3-, and 5-year plan for professional development.
2. Students will appreciate the value of continuing education courses and application to clinical practice.

PRINTING CERTIFICATE

Department: Agricultural and Industrial Technologies

The mission of the Printing certificate program is to prepare students for employment or upgrade existing job skills in the graphic communications industry by educating them in the fundamental concepts, knowledge, hands-on techniques and skills of lithography, screen, flexography, and digital printing.

GOAL 1

Graduates will demonstrate professional behavior.

1. Students will use professional language during class presentations.
2. Students will be able to work independently with safe behavior.

GOAL 2

Graduates of the program will demonstrate knowledge lithography.

1. Demonstrate press adjustment for color registration on a two color print job.
2. Explain use of RIP software for plate output.

GOAL 3

Graduates of the program will demonstrate knowledge of flexography.

1. Explain the process of creating a flexography plate.
2. Demonstrate the process of properly plate mounting onto the printing cylinder.

PRODUCTION WELDER CERTIFICATE

Department: Agricultural & Industrial Technologies

The mission of the Production Welder certificate program is to prepare students with the knowledge and skills pertaining to gas metal arc welding processes for employment as an entry-level welder in a manufacturing facility.

GOAL 1

Graduates will accurately produce the correct size weld(s) in the specified locations and meet the engineering requirements using the Gas Metal Arc Welding, GMAW (MIG) process.

1. Student will produce required MIG welds as specified and the welds will pass inspection.
2. Student will produce simple fabrication that follows dimensions.

GOAL 2

Graduates will demonstrate safe practices within the manufacturing setting.

1. Students will practice safe habits in the welding lab.
2. Students will demonstrate that they understand all OSHA safety rules.

GOAL 3

Graduates will communicate the processes for setting up the machine and apparatus to weld as well as the proper welding motion and characteristics of good weld.

1. Students will communicate their mastery of basic production welding setup and operation.
2. Students will describe welding discontinuities.

RADIOGRAPHER AAS DEGREE

Department: Health Careers

The mission of the Radiographer program is to prepare competent entry-level radiographers to function within the healthcare community.

GOAL 1

Students will be clinically competent.

1. Students will apply radiographic positioning skills.
2. Students will demonstrate principles of radiation protection.
3. Students will select appropriate technical factors.

GOAL 2

Students will demonstrate communication skills.

1. Students will use effective oral communications skills.
2. Students will practice written communication skills.

GOAL 3

Students will develop critical thinking skills.

1. Students will demonstrate sound decision making.
2. Students will adapt positioning for non-routine procedures.

GOAL 4

Students will model professionalism.

1. Students will demonstrate professional qualities.
2. Students will understand professional ethics.

REGISTERED NURSE AAS DEGREE

Department: Health Careers

The mission of the Associate in Applied Science Registered Nurse degree is to effectually provide educational resources within theory, laboratory, and clinical experiences to prepare graduates for a successful professional nursing career as a Registered Nurse.

GOAL 1

Graduates of the nursing program will demonstrate competency in skill performance as a registered nurse.

1. Students will demonstrate nursing skills based on application of scientific and theoretical knowledge in the health skills lab setting prior to performing skills in clinical setting.
2. Students will demonstrate nursing skill competency while caring for patients in the clinical setting.
3. Students will spend at least 3 hours in the lab practicing new skills or any with which they are having difficulties.

GOAL 2

Graduates of the program will communicate effectively to develop appropriate interpersonal relationships within the healthcare environment.

1. Students will verbally communicate effectively with patient, family, and healthcare team.
2. Students will communicate application of theoretical knowledge of patient care via verbal, electronic, and written means.

GOAL 3

Graduates of the program will apply nursing knowledge and critical thinking to promote wellness and patient adaptation in health and/or illness.

1. Students will utilize critical thinking as well as prioritization in the care of diverse patient populations.

GOAL 4

Graduates of the program will adhere to the standards of nursing practice, as outlined in the Illinois Nurse Practice Act.

1. Students will provide care in a safe manner.
2. Students will adhere to confidentiality guidelines while providing patient care.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.

RESPIRATORY THERAPIST AAS DEGREE

Department: Health Careers

The mission of the Respiratory Therapist program is to prepare graduates to enter the professional practice of respiratory care by providing the resources, curriculum, and clinical experiences to assume primary clinical responsibilities for respiratory care modalities.

GOAL 1

Students will comprehend, apply, and evaluate clinical information relevant to the roles of advanced-level respiratory therapists.

1. Students will pass at least twenty-two clinical simulation exams.
2. Students will score at the "Certified" level on the Therapist Multiple Choice Mock Exam.
3. Students will pass the NBRC national exams.

GOAL 2

Students will demonstrate technical proficiency in all skills necessary to fulfill their roles as advanced-level respiratory therapists.

1. Graduate employer surveys will rate graduate technical proficiencies as 3 or >3 on a Likert scale of 1 to 5 on all queries related to skills.
2. Freshman students will pass an assessment of student learning of artificial airways and adjuncts.
3. Sophomore students will pass the ACLS written and Mega code.

GOAL 3

Students will display professional behavior consistent with employer expectations as advanced-level respiratory therapists.

1. Graduate employer surveys will rate graduate attitudes and behaviors as 3 or >3 on a Likert scale of 1 to 5 on all queries related to attitudes and behaviors.
2. Freshman and sophomore students will not be absent or late for assigned clinical rotations.

RESTAURANT MANAGEMENT AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Restaurant Management Associate in Applied Science degree program is to prepare students for employment in the restaurant industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

GOAL 1

Graduates will demonstrate appropriate culinary math knowledge in order to perform calculations necessary in the industry.

1. Students will be able to demonstrate proficiency in recipe adjustment.
2. Students will be able to demonstrate proficiency in recipe costing.

GOAL 2

Graduates will apply the application and knowledge of management principles.

1. Students will apply management knowledge to Front of the House Operation and serving techniques.
2. Students will complete a menu and marketing plan.

GOAL 3

Graduates of the program will model professional behaviors appropriate for an entry-level culinarian.

1. Students will demonstrate cooperative learning and engagement when working with their peers in group projects.
2. Students will demonstrate professional demeanor by following the Culinary Arts Policies and Procedures in regards to uniform and grooming guidelines.

SECURE SOFTWARE DEVELOPMENT

Department: Business, Legal, and Information Systems

The mission of the Secure Software Development AAS program is to prepare students for employment in secure software development by educating them in the fundamental concepts of computer programming, software assurance, and database development.

GOAL 1

Graduates of the program will demonstrate specific skills and proficiency in the technical knowledge of secure computer programming principles, methods, and measurements.

1. The student will design, implement, and formally test a medium-sized software application, utilizing super-classes, subclasses, abstract classes, and interfaces.
2. The student will design and implement data structures including arrays, linked lists, stacks, queues, trees, sets, hashing, maps, and graphs.
3. The student will demonstrate an understanding of time and space efficiency analysis of searching and sorting algorithms.
4. The student will demonstrate a knowledge of designing, constructing and assessing appropriate solutions using a variety of basic recursive techniques.

GOAL 2

Graduates of the program will comprehend the security risks and threats to software.

1. The student will understand the tenets of ethical and professional behavior promoted by professional societies and The student will demonstrate an understanding of testing and static analysis of software to provide security assurance accept the professional responsibilities and liabilities associated with security.
2. The student will understand software architecture, architectural patterns, and client-server computing.

GOAL 3

Graduates of the program will have an application of knowledge in the proper construction and querying of databases and providing information from the stored data.

1. The student will be able to design, create, and manage database.
2. The student will demonstrate an understanding of SQL commands to create, maintain, and query a relational database.
3. The students will manage and organize the relational database and user/data privileges.

SMALL BUSINESS MANAGEMENT CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Small Business Management certificate is to provide students with a background in business organization and operations, as well as management training, necessary for advancement to supervisory positions in small businesses.

GOAL 1

Graduates will understand the role of marketing, management, and accounting practices and theory in the operation of a small business.

1. The student will demonstrate an understanding of the four functions of management.
2. The student will develop an understanding of marketing as it operates in a small business.
3. The student will be able to understand basic accounting principles used in business operations.

GOAL 2

Graduates will be able to demonstrate best business practices in management.

1. The student will be able to analyze workplace problems and formulate potential solutions using the scientific method.
2. The student will create a business plan which incorporates the different facets involved in the start-up operations of a small business.

GOAL 3

Graduates will demonstrate knowledge of human resource management.

1. The student will cultivate a positive attitude which influences stakeholders of the business.
2. The student will increase knowledge of theories and practices related to personnel management.

SURGICAL TECHNOLOGIST AAS DEGREE

Department: Health Careers

The mission of the Associate in Applied Science Surgical Technologist AAS degree program is to prepare competent, entry-level surgical technologists able to function within the healthcare community.

GOAL 1

Acquire and develop the knowledge necessary to gain employment.

1. Student will develop professional attitudes and responsibilities.
2. Students will understand and apply knowledge gained from the basic sciences.
3. Students will successfully demonstrate a safe level of practice and knowledge related to: a) patient safety, b) surgical technique, c) surgical and obstetrical procedures, and d) ethical/legal responsibilities.

GOAL 2

Acquire and develop the skills necessary to practice safely within the surgical environment.

1. Students will demonstrate sound decision making.
2. Students will appropriately set up cases in surgical rotations.

GOAL 3

Acquire and develop the behaviors necessary to become a productive member of the health care team.

1. Students will demonstrate professional qualities.
2. Students will understand professional responsibilities to the patient.

WEB DEVELOPER CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Web Developer certificate program is to instruct students in the practice of programming and scripting of websites for business and industry by providing hands-on experience in interfacing web applications with legacy applications.

GOAL 1

Graduates of the program will demonstrate the knowledge and proficiency to create dynamic, responsive websites and applications utilizing modern best practices, tools, and techniques on both the client and server sides.

1. Create dynamic websites using modern best practices.
2. Demonstrate the ability to create (and deploy) audience-appropriate content, interactions and multimedia to achieve the objectives of the website.
3. Describe the basic functionality, protocols, and tools of the internet.

GOAL 2

Graduates of the program will employ security best practices to protect websites against malicious intrusions and exploitation.

1. Demonstrate an understanding of common attack vectors.
2. Utilize secure programming techniques when creating (and maintaining) websites.

WEB DEVELOPER APPRENTICE CERTIFICATE

Department: Business, Legal, and Information Systems

The mission of the Web Developer Apprentice certificate program is to instruct students in the current technologies of web creation by providing hands-on experience in developing a portfolio of web page projects.

GOAL 1

Graduates of the program will demonstrate the knowledge and proficiency to create simple, static responsive websites with meaningful content and multimedia.

1. Create websites using modern best practices.
2. Demonstrate the ability to create (and deploy) audience-appropriate content and multimedia to achieve the objectives of the website.
3. Describe the basic functionality, protocols, and tools of the internet.

GOAL 2

Graduates of the program will demonstrate the application of universal accessibility and usability principles when creating websites.

1. Use modern tools to validate web pages and confirm they are accessible and usable.
2. Use current tools and techniques to verify the site displays in various devices and scales appropriately.

GOAL 3

Graduates of the program will have an understanding of the techniques to properly utilize social media in a business environment.

1. Create social media policy for business.
2. Utilize social media to effectively communicate between the business and their customers.

WEB SYSTEMS AAS DEGREE

Department: Business, Legal, and Information Systems

The mission of the Web Systems program of study is to prepare students for employment as a web professional by educating them in the skills and knowledge needed to maintain corporate intranet, extranet, and internet web sites.

GOAL 1

Graduates of the program will demonstrate the knowledge and proficiency to create dynamic, responsive websites and applications utilizing modern best practices, tools, and techniques on both the client and server sides.

1. Create dynamic websites, including ecommerce sites, using modern best practices.
2. Demonstrate the ability to create (and deploy) audience-appropriate content interactions and multimedia to achieve the objectives of the website.
3. Describe the basic functionality, protocols, and tools of the internet.
4. Demonstrate the ability to properly configure a web hosting environment.

GOAL 2

Graduates of the program will employ security best practices to protect websites against malicious intrusions and exploitation.

1. Demonstrate an understanding of common attack vectors.
2. Utilize secure programming techniques when creating (and maintaining) websites.

GOAL 3

Graduates of the program will demonstrate the application of universal accessibility and usability principles when creating websites.

1. Use modern tools to validate web pages and confirm they are accessible and usable.
2. Use current tools and techniques to verify the site displays in various devices and scales appropriately.

GOAL 4

Graduates of the program will have an understanding of the techniques to properly utilize social media in a business environment.

1. Create social media policy for business.
2. Utilize social media to effectively communicate between the business and their customers.

WELDING OPERATOR CERTIFICATE

Department: Agricultural & Industrial Technologies

The Welding Operator certificate program prepares students with entry-level skills in the major commercial welding processes, SMAW and GMAW. With welding skills in both processes, completers of the Welding Operator certificate might seek entry-level welder positions in the construction as well as the manufacturing industry.

GOAL 1

Graduates will accurately produce the correct size weld(s) in the specified locations and meet the engineering requirements using the Gas Metal Arc Welding, GMAW (MIG) and the Shielded Metal Arc Welding, SMAW (stick) processes.

1. Student will produce required MIG welds as specified and the welds will pass inspection.
2. Student will produce simple MIG fabrication that follows dimensions.
3. Student will produce required STICK welds as specified and the welds will pass inspection.
4. Student will produce simple Stick fabrication that follows dimensions.

GOAL 2

Graduates will demonstrate safe practices within the manufacturing setting.

1. Student will practice safe habits in the welding lab.
2. Student will demonstrate that they understand all OSHA safety rules.

GOAL 3

Graduates will communicate the processes for setting up the machine and apparatus to weld as well as the proper welding motion and characteristics of good weld.

1. Graduates will communicate their mastery of basic production welding setup and operation using GMAW processes.
2. Graduates will communicate their mastery of basic welding setup and operation using SMAW processes.

WELDING SPECIALIST CERTIFICATE

Department: Agricultural & Industrial Technologies

The mission of the Welding Specialist certificate program of study is to develop entry-level welders for industry with skill in major commercial welding processes capable of part layout, inspection, and process troubleshooting.

GOAL 1

Graduates will accurately produce the correct size weld(s) in the specified locations and meet the engineering requirements using the Gas Metal Arc Welding, GMAW (MIG), the Shielded Metal Arc Welding, SMAW (stick), Gas Tungsten Arc Welding, GTAW (TIG) processes.

1. Student will produce required MIG welds as specified and the welds will pass inspection.
2. Student will produce required SMAW welds as specified and the welds will pass inspection.
3. Student will produce required GTAW (TIG) welds as specified and the welds will pass inspection.
4. Student will produce complex fabrications that follow dimensions and specifications using the GMAW, GTAW, and SMAW processes.

GOAL 2

Graduates will demonstrate safe practices within the manufacturing setting.

1. Student will practice safe habits in the welding lab.
2. Student will demonstrate that they understand all OSHA safety rules.

GOAL 3

Given a blueprint and engineering specifications, graduate will be able to fabricate a weldment that meets the design requirements by appropriately using a combination of layout, machining, welding, and precision measuring skills.

1. Students will produce fabrication, within specified tolerances.
2. Student will safely and appropriately operate machine shop tools to machine components as required.

GOAL 4

The welding specialist will be able to troubleshoot the process and determine if the problem lies with technique, power supply settings or operation, or shielding gas and make or suggest remediation or repairs to correct the process.

1. Student will properly troubleshoot the operation of power supplies and recommend adjustments or repairs.
2. Student will properly troubleshoot the operation of welding apparatus and recommend adjustments or repairs.

WELDING TECHNOLOGY AAS DEGREE

Department: Agricultural & Industrial Technologies

The mission of the Welding Technology Associate in Applied Science degree program is to prepare graduates for employment as a Weld Technician in a manufacturing or construction business. During this full-time, two-year program the graduate will develop the technical skills to be a competent welder as well as the education to be a contributor to the production team.

GOAL 1

Students display general behavior and attitudes expected of an entry-level production team member by a manufacturing, construction, agricultural or fabrication oriented business.

Upon completion of the degree, the student will be able to:

1. Demonstrate positive attitudes and acceptable behaviors for such things as reporting to work regularly and on time, working in a team, honesty, quality-minded, and no tolerance for waste.
2. Follow all prescribed safety rules including the wearing of personal protection devices, properly using lifting tools to move equipment & supplies, following lockout/tagout procedures, and site specific requirements.
3. Use rulers, gauges, and precision measuring tools to properly identify sizes and locations of part features and sizes of welds.
4. In both written and oral communication, the student will communicate in a formal manner that expected of supervisors or mid-level managers.

GOAL 2

Graduates will competently perform a full range of specified welding tasks using the MIG, stick, and TIG processes including designing and repairing weldments.

1. Perform welds on various joints in the flat, horizontal, and vertical positions using the SMAW with multiple electrodes.
2. Perform welds on various joints in the flat, horizontal, and vertical positions using the GMAW process with multiple electrodes.
3. Perform welds on various joints in the flat, horizontal, and vertical positions using the GTAW process with multiple electrodes.
4. Troubleshoot system programming, electrical, mechanical, and shielding gas systems and make repairs.
5. Fabricate and/or troubleshoot "good" weldments based on blueprints and technical literature as well as communicate the specifications in terms of tolerances and allowances.

GOAL 3

Graduates will demonstrate safe practices within the manufacturing setting.

1. Practice safe habits in the welding lab.
2. Demonstrate that they understand all OSHA safety rules.

GOAL 4

Given a blueprint and engineering specifications, graduate will be able to design and fabricate a weldment that meets the design requirements by appropriately using a combination of layout, machining, welding, and precision measuring skills.

1. Produce fabrication, within specified tolerances.
2. Safely operate machine shop tools to machine components as required.

3. Produce a weldment design along with workholding requirements and inspection guidelines and devices.

GOAL 5

The welding specialist will be able to troubleshoot the process and determine if the problem lies with technique, power supply settings or operation, or shielding gas and make or suggest remediation or repairs to correct the process.

1. Troubleshoot the operation of power supplies and recommend adjustments or repairs.
2. Troubleshoot the operation of welding apparatus and recommend adjustments or repairs.
3. Compare and select welding processes to optimize the fabrication of assemblies, sub-assemblies, and discrete parts.
4. Analyze automation systems for correct operation and programming of parts from industrial prints.

Student Services

Student Life and Organizations.....	346
Academic Support Services.....	346
Access Services	346
Additional Student Services.....	346

**For more information about ICC
Student Life and Student Services
refer to the *ICC Student Handbook*.**

Student Life and Organizations

Students have many opportunities for interaction and campus involvement outside of the classroom through a broad range of social, recreational, cultural, and intellectual programs and events. Students are encouraged to stop by Student Life to explore all that is available. For more information about getting involved on campus and a full listing of student organizations visit the ICC website at icc.edu/studentlife.

Academic Support Services

Academic support is available through the Library, Academic Support Center (formerly Learning Labs and Math Labs), Studio, or Supplemental Instruction to ensure academic success. A complete listing of academic support can be found on the ICC website at icc.edu/academics/academic-support/. For information about specific services including contact information, locations, and availability visit the specific support service page.

Library = icc.edu/library

Academic Support Center = icc.edu/academics/academic-support

The Studio = thestudio.icc.edu

Supplemental Instruction = icc.edu/si

Access Services

East Peoria Campus Room L220

(309) 694-5749 (VOICE)

(309) 694-5721 (TTY)

(309) 694-5721 (VRS)

Peoria Campus Arbor A02D

(309) 690-6945

In accordance with the revised Americans with Disabilities Act of 1990, as amended, and Section 504 of the Rehabilitation Act of 1973, the Office for Access Services assists students with disabilities in obtaining reasonable accommodations to access their classes and the campus. ICC offers support services to students with varying disabilities including health, physical, psychological, sensory, learning, and temporary disabilities. Accommodative services and adaptive equipment are available based on individual student needs. Students with disabilities seeking academic accommodations must provide written documentation of their disability from appropriate professionals with recommendations for the types of accommodations needed. The office provides advisement and consultation to students. Further information regarding specific documentation requirements and procedures may be found on the ICC website at icc.edu/access.

Additional Student Services

Additional information related to various areas of Student Services can be found in more detail in the ICC *Student Handbook*. The following are various services or areas of the College that may be beneficial to students. Please see the *Student Handbook* for more information on all of the following services and more:

- Bookstore
- Campus Dining
- Career Services
- Children's Center
- Counseling Services
- Dental Hygiene Clinic
- Housing
- Fitness Center
- Therapeutic Massage Clinic
- Libraries
- Student Employment
- TRiO Student Support Services

Student Policies and Procedures

Student Optional Disclosure of Private Mental Health Act	348
Policy Statement on Sexual Assault	348
Policy Statement on Domestic or Dating Violence and Stalking	348
Sexual Assault Response Team (SART)	348

Student Optional Disclosure of Private Mental Health Act

In accordance with the Illinois law, the *Student Optional Disclosure of Private Mental Health Act* (IGP 59.1), Illinois Central College will provide students with the option to authorize in writing that a designated person, defined as a parent, guardian, or adult over the age of 18, be contacted by a psychologist, counselor, or other qualified examiner employed by Illinois Central College during a mental health emergency. This is an optional form that students can complete but are not required to complete. Students that are interested in completing the Student Optional Disclosure of Private Mental Health form or updating this form can access it on the Student Services website at: <http://icc.edu/students/files/ICC-Disclosure-of-Private-Mental-Health-Information.pdf>

Policy Statement on Sexual Assault

(approved by the Board of Trustees November 2014)

Illinois Central College will not tolerate sexual assault against students, staff, faculty, or visitors. Internal complaints of sexual assaults filed against students will be investigated pursuant to procedures established by the College and appropriate disciplinary action taken as determined by the college judicial system.

In an ongoing effort to prevent sexual assaults, and in addition to providing various security measures, the College is committed to making available, through a variety of channels, relevant educational information and programs. It is College policy to comply with all applicable federal and state statutes for reporting and publishing sexual assault statistics.

Policy Statement on Domestic or Dating Violence and Stalking

(approved by the Board of Trustees November 2014)

Illinois Central College will not tolerate domestic or dating violence and stalking against students, staff, faculty, or visitors. Internal complaints of domestic or dating violence and stalking filed against students will be investigated pursuant to procedures established by the College and appropriate disciplinary action taken as determined by the College judicial system.

In an on-going effort to prevent domestic or dating violence and stalking, and in addition to providing various security measures, the College is committed to making available, through a variety of channels, relevant educational information and programs. It is College policy to comply with all applicable federal and state statutes for reporting and publishing domestic or dating violence and stalking statistics.

These policies are intended to comply with relevant parts of the Crime Awareness and Campus Security Act of 1990, as amended, 20 USC 1092(f), and the implementing federal regulations, 34. CFR 668.47(a)(12). It is also intended to comply with the federal Violence Against Women Reauthorization Act of 2013 as amended. These policy statements and supporting procedures may be amended by the College as necessary to conform to future changes in state and federal law. The full procedures and other relevant information can be found at icc.edu/student-services.

Sexual Assault Response Team (SART)

The Illinois Central College Sexual Assault Response Team (SART) is a team of professional faculty, staff, and community representatives from the Center for Prevention of Abuse that are trained and prepared to assist students who are survivors of an on-campus sexual assault. This team will provide survivors with information and resources in order to assist the student in making informed decisions regarding the sexual assault incident. SART members will also be instrumental in ensuring that Illinois Central College is in compliance with Title IX and the Illinois Law – Preventing Sexual Violence in Higher Education Act. More information on the Sexual Assault Response Team (SART) can be found at icc.edu/SART.

Campus Regulations

Campus Police Department.....	350
Emergency Procedures	350
Emergency Alerts	350
Weapons and Firearms Policy.....	350
Smoke Free/Tobacco Free Campus.....	350

Campus Police Department

- *East Peoria Campus*
Academic Building Room 105A
(309)694-5223

Dispatch Center and Lost and Found Department
Academic Building 103A
(309) 694-5223
- *Peoria Campus*
Student Center Room 140 and Arbor Hall A02L
(309) 690-6899
- *Pekin Campus*
Main Office
(309) 635-8804

The mission of the officers and employees of the ICC Campus Police Department is to provide a safe and secure learning and work environment for our students, staff, faculty, and visitors.

The Campus Police Department and Dispatch Center are on duty 24 hours a day, 7 days a week. Armed, sworn ICC Police Officers have the same responsibility and authority as county and municipal police officers, including the power to make arrests and issue citations.

For a list of ICC Police Department services, visit the Campus Police website at icc.edu/campuspolice.

Emergency Procedures

In case of an emergency immediately call Campus Police at (309) 694-5111 or 5111 from an on-campus land-line phone, or;

Talk or text with police dispatchers using the ICC Guardian app, which is now available for your cell phone. All students and employees are encouraged to download the app now so one-touch calling is available in case of an emergency. Download the app by searching "Rave Guardian" in your app store.

In case of a fire, there will be an audible alert and flashing strobe lights followed by verbal instructions indicating a fire emergency requiring you to immediately evacuate the building.

If a tornado is sighted near the campus, there will be an audible alert followed by verbal instructions and/or a sounding of area Civil Defense sirens. Immediately seek shelter in the nearest location until given an "all clear" signal. Recommended areas to seek shelter are listed in the Campus Police Emergency Response Guide online at <https://icc.edu/emergency-guide/severe-weather-and-natural-disasters/>

For further information regarding various emergency situations, go to the Campus Police Emergency Response Guide online at <http://icc.edu/emergency-guide/>.

Emergency Alerts

ICC's MyAlert system provides free emergency and other notifications through emails, text messages, and voice messaging. You will always receive these alerts at your official ICC email. Please regularly check your ICC student email. If you listed a landline or cell phone in your ICC eServices account, the system also calls those numbers with emergency notifications. If you have texting capabilities, you will also receive a text message. If you do not want to receive text messages, you may turn off that function in your MyAlert account. For more information about changing your preferences in the MyAlert system, sign in to your account at <https://www.getrave.com/login/icc>.

Weapons and Firearms Policy

In accordance with the ICC Board of Trustees' authority and the Illinois Firearm Concealed Carry Act, ICC's Weapons on Campus and Firearm Concealed Carry Policy establishes the College's weapons and firearms-free status at all campus locations. This policy applies to all employees, students, persons conducting business on campus, and visitors, even if the person has a valid federal or state license to possess a weapon or firearm.

Violations of this policy may result in arrest and prosecution. For complete details of ICC's Weapons on Campus and Firearm Concealed Carry Policy, go to icc.edu/around-campus/campus-police/policies.

Smoke Free/Tobacco Free Campus

Illinois Central College complies with state law that requires college campuses to be smoke free/tobacco free. Smoke free/tobacco free means the use of tobacco or related products (herbal substitutes and vaping devices, for example) will not be allowed anywhere on campus, including parking lots. For more information, visit icc.edu/smoke-free-tobacco-free

Who's Who

Departmental Administration and Faculty	352
Agricultural and Industrial Technologies.....	352
Arts and Behavioral Science	352
Business, Legal, and Information Systems.....	352
College & Career Readiness	353
Health Careers	353
Humanities	353
Math, Science, and Engineering.....	354
Faculty Senate Officers	354
Board of Trustees	355
Administration.....	355

Departmental Administration and Faculty

Agricultural and Industrial Technologies

Dean
Gehrig, Stacy
MS
Eastern Illinois University

Albertsen, Ron
AAS
Oklahoma State University of
Technology

Baechler, Nikki
MS
University of Illinois

Baggett, John
MS
Western Illinois University

Bailey, A. Marc
BS
Southern Illinois University

Branan, Robert
MEd/BSMFE
University of Illinois

Brown, Corinne
MS
Southern Illinois University

Campbell, Colin
BS
Montana State University

Fandel, Peter
MS
University of Illinois

Flinn, Steven
MS
University of Southern
Mississippi

Flinn, Zack
International Brotherhood of
Electrical Workers
Journeyman Apprenticeship

Fortier, Todd
BA
Eastern Illinois University

Gardner, Jeffrey
Diploma
Nashville Auto Diesel College

Grebner, Grant
MS
University of Illinois

Gunther, Robert
BA
University of Illinois -
Springfield

Imm, Trevor
AAS
Illinois Central College

Joos, Jeff
AAS
Illinois Central College

Lehman, Blake
MS
University of Illinois

Matthews, R. Mark
AAS
Illinois Central College

Morgenstern, David
AAS
John A. Logan College

Poelker, Tim
MA
University of Illinois-Springfield

Riphey, Curt
AAS
Illinois Central College

Thomas, Kevin
MS
Southern Illinois Univ.-
Carbondale

Weaver, Brian
BS
Ferris State University

Wester, Thomas
MS
Pittsburg State University

Wier, Matt
BA
Northern Illinois University

Arts and Behavioral Science

Dean
Schimmel, Kari
MA
Northern Illinois University

Asbury, Bryan
MS
Illinois State University

Berkley, Robin
MFA
University of Oklahoma

Chianakas, Joseph
MA
North Dakota State University

Clemens, Julie
MMEd
Illinois State University

Cordell-Brunton, Maxine
PhD
University of Illinois-Urbana

Costa, Jennifer
MFA
East Carolina University

Ensley, Colleen
MS
St. Louis University

Foster-Campbell, Megan
PhD
University of Illinois

Frautschi, Laurel
MA
Appalachian State University

Funk, Kelly
EdD
Argosy University

Gauthier, Christopher
MFA
Ohio University

Goken, M. Brent
MA
Eastern Illinois University

Hale, Gary
MA
Southern Illinois Univ.-
Carbondale

Harms, Lawrence
MM
Illinois State University

Hedemann, Debra
MS
Indiana State University

Jones, Anthony
MA
Western Illinois University

Kelts, Daniel
MA
Bradley University

Morrow, Therese
MS
Western Illinois University

Phelps-Clayton, Mary
MS
Southern Illinois Univ.-
Edwardsville

Roe, Kim
MA
Northwestern University

Sibrel, Paulette
MS
Florida State University

Smit, David
MA
Bradley University

Stamm, Jon
MA
University of Illinois-Chicago

Tuccillo, Anita
MFA
University of Notre Dame

Tuccillo, John
MA
University of New Mexico

Wyse-Fisher, Dustin
MS
Illinois State University

**Business, Legal, and
Information Systems**

Dean
Howar, Julie
MBA
William Woods University

Al-Hashemi, Rafeeq
PhD
School of Technology, Iraq

Ashwood, Susan
AGS
Spoon River College

Dean, Dorothy
MEd
Northern Illinois University

Graff, G. Nicholas
MS
University of Illinois-Springfield

Hawthorne, Kimberly
MSE
Illinois State University

Higgins, Thomas
JD
John Marshall Law School

Kowalczyk, Raymond
MS
Northern Illinois University

Kelly, Dan
MS
Notre Dame University

Paulsen, Scott
JD & MBA
University of Iowa

Peterson, Douglas
MS
Bradley University

Robertson, Charles
AAS
Kendall College

Saatkamp, Adam
MS
Bradley University

Shank, Keith
BS
Western Illinois University

Smyrniotis, Andrianna
MA
University of Northern Colorado

Son, Youngju
PhD
Wayne State University

Spengler, Jennifer
MS
Southern Illinois Univ.-
Carbondale

Stauthammer, Denise
MS
Illinois State University

Swanson, Paul
MS & MBA
Bradley University

Tripp, Shari
MBA
Illinois State University

Wells, Kevin
MSE
Illinois State University

White, Earl Anthony
PhD
Capella University

College & Career Readiness

Dean
Shaw, Arnitria
MA
St. Xavier University

Health Careers

Dean
Guth, Wendee
MS
University of Illinois-Chicago

Arnett, Lisa
MS
University of St. Francis

Axelson, Desiree
MS
University of Illinois-Chicago

Bender, James
BS
Midstate College

Bisanz, Liane
MS
University of Illinois-Chicago

Condit, Cydney
BS
Midstate College

Crawford-Jones, Carole
MS
University of St. Francis

Dant, Michael
BS
Eastern Illinois University

Empson, Cathy
MEd
University of Illinois

Feeny, Julie
MS
University of Indianapolis

Gallagher, Michael
MS
St. Francis College of Nursing

Gold-Pearce, Alice
BS
State University of New York

Haines, Jennifer
MS
University of St. Francis

Hammer, William
MA
University of Phoenix

Hohstadt, LeeAnn
BA
Western Illinois University

Korondi, Cathleen
EdD
Maryville University

Kyulule, Suzanna
MSN
University of Phoenix

Mauer, Lynn
MEd
University of Illinois

Moore, Valerie
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University of Illinois-Chicago

Palmieri, Kara
MSN
Bradley University

Power, Rose
MSN
Bradley University

Reese, Beth
MSN
St. Francis Medical Center
College of Nursing

Punke, Terri
MSN
St. Francis Medical Center
College of Nursing

Sams, Mary
MSN
University of Phoenix

Semelroth, Sharon
MSN
Illinois State University

Stokowski, Joan
MS
University of Illinois-Chicago

Strow, Vincent
MA
Loyola University

Tatham, April
MS
Western Illinois University

Yee, Vera
PhD
Tulane University

Humanities

Dean
Swartout, Jennifer
PhD
Illinois State University

Aitken, Nicole
PhD
Illinois State University

Ames, Megan
MA
University of Chicago

Baldrige, Elizabeth
PhD
University of Illinois

Birky, Lois
MA
Bradley University

Bonvicini, Andrew
MA
University of Loyola Chicago

Christian, Eric
MS
Oklahoma State University

Decker, James
PhD
Northern Illinois University

Dinkins, Shari
MA
San Francisco State University

Dougherty Deborah
MS
Illinois State University

Grunow, Melissa
MFA
National University

Hillabold, Susan
PhD
University of Alberta

Hopp, Jennifer
MA
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James, Aaron
PhD
University of Dayton

Mendenhall, Stan
MS
Illinois State University

Resnick, Paul
MA
Truman State University

Richrath, Jennifer
MA
Southern Illinois Univ.-
Edwardsville

Sanders, Susan
EdM
University of Illinois-Urbana

Sullivan, James
PhD
University of Illinois

Thompson, David
PhD
The Ohio State University

Vance, Margot
MS
Illinois State University

Vargas, Titania
ME
Carthage College

Weber, Eric
PhD
Southern Baptist
Theological Seminary

Wilson, Deborah
PhD
University of California-Irvine

Math, Science, and Engineering

Dean
Bergman, Joseph
MS
Illinois State University

Ames, Kathy
MS
Illinois State University

Armon, John
MS
University of Missouri-Rolla

Baila, Carmen
MS
Portland State University

Bomer, Megan
MS
Illinois State University

Carrico, Elizabeth
MS
Southern Illinois Univ.-
Carbondale

Constable, Jeffrey
MS
Mississippi State University

David, Pradeepa
MS
Illinois State University

Gavino, Pia
PhD
Cornell University

Goode, Amy
MS
Southern Illinois Univ.-
Carbondale

Griffiths, Thomas
PhD
University of Massachusetts

Halvorsen, Troy
PhD
University of Florida

Haner, Thomas
PhD
University of Oklahoma

Harris, Philip
MS
Purdue University

Jacobson Flex, Kristin
MS
Illinois State University

Lakshminarayan, Ganesh
PhD
Iowa State University

Mays, Elizabeth
MS
Illinois State University

Mellendorf, Kenneth
PhD
University of Illinois

Oliver, Michael
MS
Western Illinois University

O'Brien, Cara
MS
Illinois State University

O'Hanlon, Wendy
PhD
Illinois State University

Peterson, Dawn
MA
Illinois State University

Portscheller, Steven
MS
Bradley University

Resnick, Cheryl Emerson
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Northern Arizona University

Rose, Brad
PhD
University of Oregon

Rush, Yolanda
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Michigan Technological
University

Scoby, Jennifer
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Bradley University

Sirbu, Ioana
PhD
State University of New York
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Spielman, Joseph
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Stermer, Edward
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University of Iowa

Tahir, Fereja
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Thannum, Kelly
MS
Illinois State University

Varadarajan, Vijayalakshmi
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Vietti, Kimberly
MS
Bradley University

Ward, Patrick
MA
University of Kentucky

Welsch, Deanna
MS
Southeast Missouri State
University

Faculty Senate Officers

Brent Goken
President

Maxine Cordell-Brunton
Vice President

Board of Trustees

as of March 2019



**Carl
Cannon**



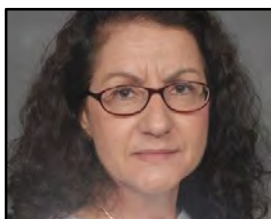
**Kelly
Daniels**



**Paula
Davis**



**Mike
Everett**



**Diane
Lamb**



**Frank
Mackaman**



**Gale
Thetford**

Administration

as of March 2019



Dr. Sheila Quirk-Bailey
President
DM, University of Maryland
University College

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Executive Vice President for Administration and Finance
MBA, University of Illinois-Springfield

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Vice President of Diversity and Community Impact
PhD, Capella University

Kim Armstrong
Vice President of Marketing and Institutional Advancement
BS, Bradley University

Dr. Emmanuel Awuah
Vice President of Academic Affairs
PhD, Michigan State University

Michelle Bugos
Associate Vice President of Human Resources
MS, Western Governors University

Dr. Laura Friesenborg
Associate Vice President of Institutional Effectiveness
EdD, University of St. Thomas, Minneapolis

Dr. Andrew Kerr
Associate Vice President of Workforce Development
Doctor of Education, Creighton University

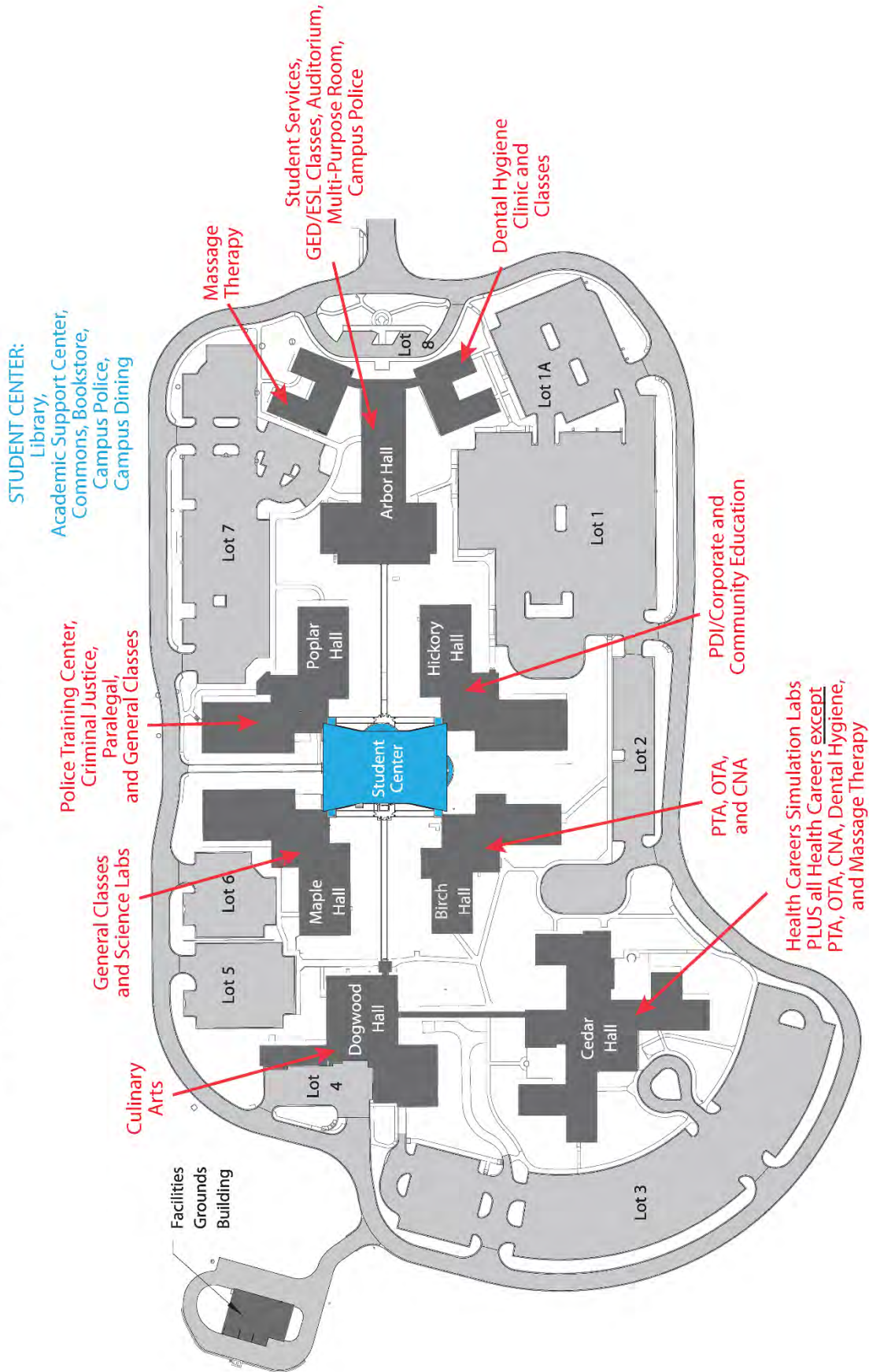
David Cook
Executive Director of Institutional Research and Planning
MS, University of Illinois – Springfield

Stephanie Holmes
Executive Director of Educational Foundation
MA, Lincoln Christian University

Maps

East Peoria Campus.....	357
ICC Peoria	358
ICC Pekin	359

ICC Peoria 5407 N University Street, Peoria, IL 61635-0001



ICC Pekin

Riverway Business Park
225 Hanna Drive, Pekin, IL 61635-0001



Index

A

Academic Advisement	18
Academic Calendar	1
Academic Honors	35
Academic Misconduct	35
Academic Placement Testing	15
Academic Policies and Requirements	30
Academic Standards	35
Academic Support Services	346
Access Services	346
Accountancy *	130
Accounting Courses	196
Accounting Bookkeeper *	67, 300
Accounting Clerk *	67, 301
Accreditation	1, 10
Actuarial Science *	131
Admission	11
Admission Requirements (see also specific degree/program)	12
Administration at ICC	355
Adult Education	191
Advisement	see Academic Advisement
Affirmative Action	see Equal Opportunity
Agricultural Business Courses	197
Agricultural Business Management - Precision Agriculture *	48, 301
Agricultural Mechanics Courses	198
Agricultural Production *	48, 302
Agricultural Science and Technology *	48, 302
Agriculture *	132
Agriculture Courses	198
American Sign Language Courses	199
Americans with Disabilities Act	10
Applying to Graduate	23
Arabic Courses	199
Architectural Construction Technology Courses	200
Architecture *	133
Architecture Courses	201
Art *	134
Art Courses	202
Articulation Agreements	43
Associate in Arts Degree *	129
Associate in Engineering Science Degree *	189
Associate in General Studies Degree *	122
Associate in Science Degree *	173
Audit of Courses	33
Attendance	see Class Attendance
Automotive Technology *	116, 303
Automotive Technology Courses	204

B

Baccalaureate Completion/Transfer Agreements	126
Banking Courses	205
Biology *	174
Biology Courses	205
Board of Trustees	355
Bridge Courses	206
Business *	60, 303
Business Administration *	135
Business Courses	207
Business Specialist *	60, 304

C

Campus Police	350
Campus Regulations	349
Cancellation of Classes	20
Career and Technical Education Degrees/Certificates	45
Career Clusters	7
Catalog of Record	31
Caterpillar Dealer Service Technology *	117, 304
Caterpillar Dealer Service Technology Courses	208
Certificate Requirements	see Requirements

Chargebacks	14
Chemistry *	175
Chemistry Courses	209
Child Development Courses	210
Chinese Courses	212
Cisco Certified Network Associate (CCNA) *	95, 305
Cisco Certified Network Professional (CCNP) *	95, 305
Cisco Networking Specialist *	95, 306
Class Attendance	33
Class Format	195
Clerk Typist *	61, 306
CNC Machine Operator *	108, 307
Commencement Ceremony	23
Commercial Refrigeration Technician *	54, 307
Communication Courses	212
Communication - General Communication *	136
Communication - Public Relations *	137
Computed Tomography *	85, 308
Computer Information Systems - Business Emphasis *	138
Computer Information Systems - Technical Emphasis *	139
Computer Management - CISCO Courses	214
Computer Management - General Courses	215
Computer Management - Networking Courses	216
Computer Management - Web Courses	217
Computer Programming and Database Development *	96, 308
Computer Aided Mechanical Drafting *	110, 309
Computer Science Courses	219
Cooperative Educational Agreements	15
Core Values of ICC	275
Corporate and Community Education	191
Cost Per Credit Hour	see Tuition Cost
Course Descriptions	194
Course Identification	195
Credit, by Examination	16
Credit, Evaluation of Transfer Credit	16
Credit, for Prior Learning	16
Credit, for Service & Education in the Armed Forces	16
Credit Hour	31
Criminal Justice *	140
Criminal Justice Courses	220
Culinary Arts Courses	222
Culinary Arts Management *	89, 309-310

D

Dance *	141
Dance Courses	223
Deconstruction Courses	224
Degree Definitions	38
Degree Requirements (general, by type)	see Requirements
Dental Hygiene Courses	224
Dental Hygienist *	71, 310
Developmental Coursework	38
Diesel Powered Equipment Technology *	49, 311
Diesel Powered Equipment Technology Courses	226
Dietetics *	142
Digital Imaging *	58, 311
Digital Publishing *	57, 312
Directory	see Who's Who
District #514 Map	14
Diversity Pledge	10
Domestic or Dating Violence and Stalking Policy	348
Dropping Classes/Refunds	26
Drug and Alcohol Counselor Training *	92
Drug and Alcohol Counselor Training Courses	228

E

Early Childhood Education *	93, 312
Early Childhood Education - Advanced *	93, 313
Early Childhood Education - Basic *	93, 313
Early College	192
Earth Science Courses	228

Economics *	143
Economics Courses	229
Education (Early Childhood) *	144
Education (Elementary) *	145
Education (Secondary) *	146
Education (Special) *	147
Education Courses	229
Educational Rights and Responsibilities	31
Electronics Servicing Courses	229
Electronics Technology Courses	230
Emergency Medical Technician (EMT) *	81, 314
Emergency Medical Technician Courses	231
Emergency Procedures and Alert System	350
Energy Efficiency & Renewable Energy Courses	233
Engineering *	176
Engineering Courses	234
English *	148
English Courses	234
English as a Second Language Courses	236
Enrolling in Classes	18
Enrollment and Academic Advisement	17
Enrollment Procedure	18
Environmental Science *	177
Equal Opportunity/Affirmative Action	10

F

Faculty	352
Faculty Senate Officers	354
Family and Consumer Sciences *	149
Family and Consumer Services Courses	236
Feedback to ICC	10
Fees (Additional)	26
Film Courses	237
Financial Assistance	26
Financial Information	24
Fire Science Technology *	102
Fire Science Technology Courses	237
Foreign Language *	150
French Courses	239

G

GED Preparation Courses	239
General Admission	see Admission
GED Admission	13
General College Information	8
General College Studies Courses	240
General Motors Automotive Service Educational Program *	118, 314
General Motors Automotive Service Education Program Courses	241
Geographic Information Systems Courses	242
Geography *	178
Geography Courses	242
Geology *	179
German Courses	243
Grade Appeal Process	34
Grade Exclusion Policy	34
Grade Point Average	33
Grading System	32
Graduating	see Applying to Graduate
Graphic Communications *	57, 315
Graphic Communications Courses	243
Graphic Design *	151
Graphic Design Courses	244
Green Building Construction Courses	245
Green Building Environment Courses	245

H

Health Courses	245
Health Occupations Courses	246
High School Inter-District Agreements	15
History *	152
History Courses	246
History of ICC	9
Home Performance Technician *	53, 315
Home Performance Technology *	53, 316
Home Performance Technology Courses	247
Honors Program	192

Horticulture Courses	247
Horticulture - Landscape Management *	50, 316
Horticulture - Landscaping *	50, 317
Horticulture Turfgrass Management *	51, 317
Horticulture - Turfgrass Operations *	51, 318
Hospitality Courses	249
Human Services Courses	249
Humanities Courses	251
HVAC Residential Installer *	55, 318
HVAC Technician *	55, 319
HVAC/R Technology *	54, 319

I

iMedia *	58, 320
IAI/ICC General Education Course Alignment	127
Industrial Electrical Technology *	106, 321
Industrial Maintenance *	107, 321
Industrial Maintenance Technology *	107, 322
Institutional Learning Outcomes	38
Intercollegiate Competition	35
Interior Design *	153
Interior Design Courses	251
International Business *	154
International Education Program	192
International Students	18
International Studies *	155
International Studies Courses	251
Interpreter Preparation *	63, 322
Interpreter Preparation Courses	252
Italian Courses	253

J

Journalism *	156
Journalism Courses	253

L

Law Enforcement *	103, 323
Learning Opportunities	37
Liberal Arts *	157
Library Technical Assistant *	64, 324
Licensed Practical Nurse *	79, 324
Library Technology Courses	254
Literature Courses	255
LPN to RN Completion *	78, 325

M

Machine Tool Technology *	108, 325
Machine Trades Courses	256
Management Courses	256
Management - Supply Chain Management Option *	119, 326
Management of Supply Chain *	119, 326
Manufacturing Engineering Technology *	109, 327
Maps	356
Marketing Courses	257
Mass Communication *	158
Mass Communication Courses	257
Massage Therapist *	72, 327
Massage Therapy Courses	258
Math Sequence Chart	44
Mathematics *	159
Mathematics Courses	259
Maximum Load	19
Mechanical Engineering Technology *	110, 328
Mechanical Technology Courses	262
Medical Assistant *	73, 328
Medical Coder *	75, 329
Medical Laboratory Courses	264
Medical Laboratory Technician *	76, 329
Medical Laboratory Technology Courses	264
Medical Office Courses	266
Medical Office Administrative Assistant *	74, 330
Meteorology *	180
Mission Statement of ICC	9
Multimedia *	160
Multimedia Courses	267
Multiple Associate Degrees/Certificates	31

Music *	161
Music Business*	162
Music Industry*	163
Music Courses	268

N

9-1-1 Telecommunicator *	103, 300
Network Administrator *	97, 330
Networking *	97, 331
Non Credit Classes	296
Numerical Control Technology Courses	271
Nursing Assistant *	79, 331

O

Occupational Therapy Assistant *	80, 332
Occupational Therapy Assistant Courses	271
Office Administration and Computer Support Courses	272
Office Occupations Courses	273
Office Professional *	61, 333
Online Learning	192, 193

P

Page Layout *	58, 333
Paralegal *	104, 334
Paralegal Courses	274
Paramedic *	81, 335
Personal/Fitness Trainer *	65
Philosophy *	164
Philosophy Courses	275
Philosophy/Core Values of ICC	9
Phlebotomist *	82, 335
Physical Education *	181
Physical Education Courses	275
Physical Science Courses	279
Physical Therapist Assistant *	83, 336
Physical Therapist Assistant Courses	279
Physics *	182
Physics Courses	280
Placement Testing	see Academic Placement Testing
Police	see Campus Police
Political Science *	165
Political Science Courses	281
Practical Nursing Courses	281
Pre-Chiropractic *	183
Pre-Law *	166
Pre-Medical, Pre-Dental *	184
Pre-Pharmacy *	185
Pre-Physical Therapy *	186
Pre-Veterinary *	187
Printing *	58, 336
Production Welder *	112, 337
Professional Development-Tractor/Trailer Driver Courses	282
Program Missions, Goals, and Outcomes	299
Program of Study Changes	22
Programs with Special Requirements	13
Psychology *	167
Psychology Courses	282

Q

Quick Reference Guide	2
------------------------------	----------

R

Radiography Courses	283
Radiographer *	84, 337
Refrigeration and Air Conditioning Courses	285
Registered Nurse *	77, 338
Registered Nursing Courses	286
Repeatable Classes	33
Requirements for Admission (general)	12
Requirements for Admission (degree/program specific)	12
Requirements for Degrees	39-42
<i>(for further information on requirements, also see specific degree/program)</i>	
Residency Requirements	13
Respiratory Care Courses	288
Respiratory Therapist *	86, 338
Restaurant Management *	90, 339

Retaking Classes	33
------------------	----

S

Scholarships	29
Secure Software Development *	98, 339
Senior Citizens	see Tuition for Senior Citizens
Sexual Assault	348
Small Business Management *	60, 340
Smoke Free/Tobacco Free	350
Social Science Courses	289
Social Work *	168
Social Work Courses	289
Sociology *	169
Sociology Courses	289
Spanish Courses	290
Spanish General Education Development Courses	290
Special Academic Services	29
Special Programs and Classes	190
Statistics *	170
Student Optional Disclosure of Private Mental Health Act	348
Student Policies and Procedures	347
Student Records	21
Student Rights and Responsibilities	22
Student Services	345
Student Life and Organizations	346
Student Status	19
Supply Chain Management Courses	291
Surgical Technologist *	87, 340
Surgical Technology Courses	291

T

Testing	see Academic Placement Testing
Testing Center	16
Theatre *	171
Theatre Courses	292
Transcript Requests	22
Transfer	125
Transfer Credit Evaluation	see Credit
Transfer Degrees	123
Truck Driver Training *	120
Tuition	24
Tuition and Financial Aid Refunds	25
Tuition Appeals	26
Tuition Cost per Credit Hour	25
Tuition Due Dates	25
Tuition for Senior Citizens	25
Tuition Payment Options	25
Typing Skills Courses	294

U

Underage Student Enrollment	18
-----------------------------	----

V

Veterans	20
Virtual Campus	see Online Learning
Vision Statement of ICC	9

W

Weapons and Firearms Policy	350
Web Developer *	100, 341
Web Developer Apprentice *	100, 341
Web Systems *	99, 342
Welding Operator *	112, 342
Welding Specialist *	111, 343
Welding Technology *	111, 343
Welding Technology Course	294
Who's Who	351
Withdrawal from Classes	19
Word Processing Courses	296
Work Skills Courses	296

EXPLANATION OF TERMS

Academic Advisor – faculty member or counselor assigned to help students select courses and plan their educational programs.

Associate Degree – awarded to a student who has completed at least 60 semester hours in a particular field of study as outlined in the college catalog.

Auditing – enrolling for and attending class(es) regularly without having to take tests. No grade or credit hours are earned.

Baccalaureate Degree – awarded after completion of required semester hours, usually four years of full-time academic study. Usually referred to as bachelor's degree.

Certificate – awarded to students who complete requirements for a specific program of more than one course as listed in the College Catalog, but less than 50 semester hours.

Certificate of Participation – awarded for completion of single course programs such as "Stress Management" offered by our Professional Development Institute.

Class Schedule – available online, listing fall, spring, and summer semesters' courses offered, time of day, day of week, location, cost, refund dates, withdrawal dates, and instructor.

Community Education – noncredit classes and workshops that are designed to provide training in areas of interest for the general public. Includes Adult Community Programs, College for Kids, and ACT/SAT review.

Compass – a computer-adaptive college placement test published by ACT, Inc. and used by ICC's Testing Center for determining course placement.

Credit by Examination – course credit granted upon successful completion of a standardized test such as CLEP (College Level Examination Program) or PEP (Proficiency Exam Program).

Credit Hour – a unit of credit awarded for completion of a course. Typically it is expected that a course will meet for 45 hours of combined classroom/laboratory and study time for each semester hour.

Curriculum – a group of courses making up an area of specialization.

Dean/Associate Dean – person responsible for the administration of an academic department or academic support department.

Department – an administrative unit of an academics division, giving instruction in a particular subject or group of subjects, such as Social Sciences Department.

District #514 – Illinois Central College District official designation for ICC.

Diversity Pledge – statement of ICC's commitment to diversity in all its dimensions.

Dropping a Course – If you are signed up for a course or are actually taking the course, and no longer want to take the course, you cannot just stop coming to class. You must fill out the correct Add/Drop Form in Enrollment Services or drop in eServices online. Be sure to check Class Schedule for details and deadlines.

Elective – course student may take not specifically required in a major, but counts as general credit toward a degree.

Full-Time Student – student enrolled for 12 or more semester hours.

Grade Points – the number of points assigned to the specific letter grade received in a class.

Grade Point Average – total number of grade points earned divided by the total number of semester hours attempted.

HYBRID classes – courses delivered through a combination of face-to-face instruction and the internet. Time required in the classroom is reduced but not eliminated.

IAI (Illinois Articulation Initiative) – a statewide transfer program consisting of a package of core general education courses that will transfer from one school to another and will count towards a degree at the new school. Successful completion of these core courses, composed of five categories can mean a smoother transition to any associate or bachelor's degree program at participating schools.

Lab – portion of course work conducted in a laboratory setting. Usually hands-on work such as physics experiments or computer use.

Lecture – classroom instruction, not a lab.

Minimester – a typical 16-week credit class accelerated to be completed in approximately 11 days by attending class approximately 6 hours each day.

Noncredit Classes – courses do not require exams and do not earn college credit.

Off-Campus Classes – courses taught at locations other than our East Peoria or Peoria Campuses, such as classes held at area high schools or agencies.

On-Campus Classes – classes taught at any of our ICC campuses.

Online Classes – classes delivered entirely online through the internet.

Open-Door Policy – any person 18 years of age or older may enroll as a part-time student for credit classes (if class does not require a pre-requisite) at Illinois Central College even if they do not have a high school diploma or GED certificate. But, to enroll for classes with the goal of earning an Associate Degree, specific entrance requirements must be met.

Prerequisite – course that must be completed before another course can be taken, such as MATH 134 must be completed prior to MATH 135.

Semester – usually 16 weeks at Illinois Central College; one-half of the academic year. Note: Summer sessions are usually 8 weeks long.

Transcript – copy of a student's academic record. Can be obtained from Enrollment Services, East Peoria Campus, Room L211.

Tuition – cost of one semester hour; multiplied by the number of semester hours in which enrolled.

WEB Classes (www) – Refer to online classes.