CATALOG
SUMMER 2013 through SPRING 2014

Illinois Central College

East Peoria Campus
1 College Drive, East Peoria, Illinois 61635-0001
(309) 694-5-ICC

Perley Building
115 S.W. Adams Street, Peoria, Illinois 61635-0001

Thomas Building
201 S.W. Adams Street, Peoria, Illinois 61635-0001

ICC North
5407 N. University Street, Peoria, Illinois 61635-0001

ICC South
Riverway Business Park, 225 Hanna Drive
Pekin, Illinois 61635-0001

Illinois Central College is an AQIP Participant, accredited by the Higher Learning Commission and a member of the North Central Association. To contact the Higher Learning Commission, go to http://www.ncahlc.org or call (800) 621-7440. 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, International and Adult Education, Illinois Central College, 1 College Drive, East Peoria, IL 61635-0001, (309) 694-5561.
The ICC College Catalog is also available online!
Visit the ICC website to apply, or for enrollment information/instructions.

www.icc.edu

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 for Academic Affairs, (309) 694-5784 or email academicaffairs@icc.edu.
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.
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 opened a “storefront” in downtown Peoria. Today, this downtown site includes the Perley Building at 115 S.W. Adams and the Thomas Building at 201 S.W. Adams.

ICC North, 5407 N. University Street, opened in December 2002. In August 2004, the first student residences, WoodView Commons, opened offering students an on-campus, apartment-style, living option.

In 2008, ICC developed a fourth site in Pekin at the Riverway Business Park, 225 Hanna Drive.

Four out of ten high school seniors who attend college right out of high school choose Illinois Central College. ICC annually awards graduates more than 1,500 degrees and certificates.

Philosophy of ICC

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 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 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 for our students.

The short version of the vision is: We provide an exceptional educational experience that delights our students and stakeholders.

Mission Statement

The mission of the college is expressed in these sentences:
Through learning, minds change.
We believe by changing minds, we can change the world.

General Education Goals

General education courses are an essential part of undergraduate education at all colleges and universities and are required for all degrees. These courses provide an extensive range of learning opportunities to complement areas of specialization.

The general education requirements of Illinois Central College prepare our graduates to become productive members of society and life-long learners. These requirements are expressed as the College’s general education goals as stated below.

All associate degree graduates will be able to:

• read and think critically
• communicate effectively
• demonstrate mathematical and scientific reasoning
• demonstrate awareness of diversity of cultures, ethics, values, or aesthetics
• demonstrate the ability to be creative and innovative in solving problems
• work independently and collaboratively
• demonstrate computer literacy and information literacy

Certificates

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

GENERAL REQUIREMENTS FOR OCCUPATIONAL CERTIFICATES

To become eligible for a certificate a student must:

1. Submit an Application for Certificate and pay the required $5 fee by the deadline for the term in which they plan to graduate to ensure the timely award of the certificate. (See page 11)
   - September 1: December graduation deadline
   - February 1: May graduation deadline
   - May 1: July graduation deadline

2. Complete all courses listed for the particular certificate. Appropriate technical course substitutions may be approved by the appropriate dean.

3. Complete at least thirty percent (30%) of the total program of study required for the certificate in residence at Illinois Central College.

4. Maintain a cumulative grade point average of 2.00 (C) in all courses required for the certificate. Individual courses may have additional grade requirements.

5. Fulfill all financial obligations to the college.

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

**Associate in Arts Degree** is a baccalaureate-oriented transfer degree focused in one of the arts, humanities, or social or behavioral sciences, or one of the professional fields with these disciplines as a base. Completion of the degree may qualify an individual for junior standing at many four-year colleges and universities.

**Associate in Science Degree** is a baccalaureate-oriented transfer degree focused in one of the mathematical, biological, or physical sciences, or one of the professional fields with these disciplines as a base. Completion of the degree may qualify an individual for junior standing at many four-year colleges and universities.

**Associate in Applied Science Degree** is a career-oriented degree that prepares an individual for immediate employment and is awarded in a specific program of study.

**Associate in Engineering Science Degree** is a baccalaureate-oriented degree. Completion of the degree qualifies an individual to pursue an engineering degree at four-year colleges and universities.

**Associate in General Studies Degree** is designed for individuals interested in acquiring a general education to suit their specific needs. It is not designed as a transfer degree.

GENERAL REQUIREMENTS FOR DEGREES

To become eligible for a degree at Illinois Central College, all students must fulfill the following general requirements.

1. Submit an Application for Degree/Certificate and pay the required fee ($15 for degree) by the deadline for the term in which they plan to graduate to ensure the timely award of the degree. (See page 11)
   - September 1 subscriptions due
   - December graduation deadline
   - February 1 May graduation deadline
   - May 1 July graduation deadline

2. For the Associate in Arts, Associate in Science, Associate in General Studies, and the Associate in Engineering Science degrees, a minimum of 15 of the final 30 semester hours must be earned from Illinois Central College. For the Associate in Applied Science degree, all 15 hours must be program courses from the second year and part of the last 30 semester hours earned prior to graduation.

3. Illinois Central College does not accept partial semester credit, but will accept credit for quarter hours to satisfy course requirements. The minimum hours required for an Associate in Arts or an Associate in Science degree is 60 hours.

4. For Applied Science degree programs, satisfactorily complete a minimum of 64 semester hours or the minimum stated for the planned program of study for the specific Applied Science degree.

5. Maintain an overall grade point average of 2.00 (C). All grades and hours of all courses (except courses where students earned a D or F and are repeated for a higher grade) attempted at Illinois Central College are used in calculating the student’s grade point average. Individual courses may have additional grade requirements.

6. Fulfill all financial obligations to the College.

7. Complete specific degree requirements outlined by the College.
ASSOCIATE IN ARTS DEGREE (AA)  
SPECIFIC REQUIREMENTS (Transfer Degree)

In addition to the General Requirements for Degrees listed on page 4, candidates for the Associate in Arts Degree must complete at least 60 semester hours of TRANSFER CREDIT courses including the General Education requirements listed below. Students must maintain an overall grade point average of 2.00 (C). Courses labeled OC (Occupational Credit) in Course Descriptions (page 218) may not be applied to degree requirements. Check current IAI transfer status by confirming at www.iTransfer.org. See pages 9 and 10 for further IAI description.

All students who earn the Associate in Arts Degree must complete the specific degree requirements in effect for the AA degree at the time they apply for graduation.

A. ENGLISH: (6 semester hours) ENGL 110 and 111
   To fulfill this requirement, a student must receive a grade of C or better in each of the two courses.

B. COMMUNICATION: (3 semester hours) COMM 110

C. SOCIAL SCIENCE: (9 semester hours) These courses must be taken in at least two of the following disciplines:
   1. Economics: ECON 110, 111
   2. Geography: GEOG 112 or 113, 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
   7. Sociology: SOC 110, 114, 120, 213, 218*, 219

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

E. SCIENCES: (7 semester hours) At least one of these courses must contain a laboratory experience. Also, one of these courses must be a Life Science and one must be a Physical Science.
   1. Life Sciences (4 semester hours)
      Biology: BIOL 110, 111, 114, 115, 120, 130, 140, 150 (3 semester hours), 160, 205, 250
   2. Physical Sciences (4 semester hours)
      Chemistry: CHEM 110, 115, 120, 130
      Earth Science: EASC 111, 116, 118, 250
      Physical Science: PHYS 110, 114
      Physics: PHYS 110, 120

F. HUMANITIES/FINE ARTS: (9 semester 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 semester hours)
      Foreign Language: ARA 211 or CHN 211 or FR 211 or GER 211 or SPAN 211
      History: HIST 111, 112
      Humanities/International Studies: HUMAN 123, 124 or 125, 129; INTST 132 or 133
      Philosophy: PHIL 110, 111, 112, 115, 116
   2. Fine Arts (3-6 semester hours)
      Art: ART 110, 142, 150, 151
      Film: FILM 110
      Humanities: HUMAN 128
      Mass Communication: MCOMM 224
      Music: MUS 148, 149, 150
      Theatre: THTRE 110 or 111

*Either PSY 210 or SOC 218 satisfies IAI requirements

Recently updated courses will appear on Illinois Central College’s website: www.icc.edu/catalog or see the IAI and ICC General Education Course Alignment (page 10).

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 on page 4, candidates for the Associate in Science Degree must complete at least 60 semester hours of TRANSFER CREDIT courses including the General Education requirements listed below. Students must maintain an overall grade point average of 2.00 (C). Courses labeled OC (Occupational Credit) in Course Descriptions (page 218) may not be applied to degree requirements. Check current IAI transfer status by confirming at www.iTransfer.org. See pages 9 and 10 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.

A. ENGLISH: (6 semester hours) ENGL 110 and 111
To fulfill this requirement, a student must receive a grade of C or better in each of the two courses.

B. COMMUNICATION: (3 semester hours) COMM 110

C. SOCIAL SCIENCE: (9 semester hours) These courses must be taken in at least two of the following disciplines:
1. Economics: ECON 110, 111
2. Geography: GEOG 112 or 113, 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
7. Sociology: SOC 110, 114, 120, 213, 218*, 219

D. MATHEMATICS: (6-8 semester hours) At least one of these courses must be taken from Group I, and the other may be taken from either Group I or Group II.
See chart on page 7.
1. Group I (3-6 semester 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. SCIENCES: (8 semester hours) Both courses must contain a laboratory experience. Also, one of these courses must be a Life Science and one must be a Physical Science.
1. Life Sciences (4 semester hours)
   Biology: BIOL 110, 111, 114, 115, 120, 130, 140, 160, 205, 250
2. Physical Sciences (4 semester hours)
   Chemistry: CHEM 110, 115, 120, 130
   Earth Science: EASC 111, 116, 118, 250
   Physical Science: PHSC 110, 114
   Physics: PHYS 110, 120

F. HUMANITIES/FINE ARTS: (9 semester 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 semester hours)
   Foreign Language: ARA 211 or CHN 211 or FR 211 or GER 211 or SPAN 211
   History: HIST 111, 112
   Humanities/International Studies: HUMAN 123, 124 or 125, 129;
   INTST 132 or 133
   Philosophy: PHIL 110, 111, 112, 115, 116
2. Fine Arts (3-6 semester hours)
   Art: ART 110, 142, 150, 151
   Film: FILM 110
   Humanities: HUMAN 128
   Mass Communication: MCOMM 224
   Music: MUS 148, 149, 150
   Theatre: THTRE 110 or 111

*Either PSY 210 or SOC 218 satisfies IAI requirements

Recently updated courses will appear on Illinois Central College’s website: www.icc.edu/catalog or see the IAI and ICC General Education Course Alignment (page 10).

ICC’s courses approved by the Illinois Articulation Initiative (IAI) are posted on the itransfer website: www.itransfer.org
Sequence of Mathematics Courses at ICC

This chart displays recommended paths to satisfy program and general education requirements at ICC.

- The Associate in Science degree requires six hours of mathematics at the MATH 110 level or above. Three of those six hours must be IAI (Illinois Articulation Initiative) approved. (See page 6 for approved list.)
- The Associate in Arts degree requires three hours of mathematics at the MATH 110 level or above.

Placement in the Math Curriculum is based on the Compass Math Placement score or department approval. Group I math courses also require appropriate Compass Reading Placement score or equivalent. Consult an academic advisor for more information.

The courses MATH 165 and MATH 222 require four years of high school college preparatory mathematics and an appropriate score on the Math Placement Exam.
ASSOCIATE IN APPLIED SCIENCE DEGREE (AAS) SPECIFIC REQUIREMENTS

In addition to the General Requirements for a Degree listed on page 4, candidates for the Associate in Applied Science Degree must maintain an overall grade point average of 2.00 (C). The student must also present an approved program with the minimum semester hours specified for the program, including the following general education requirements:

A. ENGLISH: (3 semester hours) ENGL 110, 116, 125, 201
B. COMMUNICATION: (3 semester hours) COMM 110, 113, 212, or 3 additional semester hours in composition courses numbered 110 or above, such as ENGL 110, 111, 116, 125 or 201
C. SOCIAL SCIENCE: (6 semester hours)
   1. Economics: ECON 105, 110, 111
   2. Geography: GEOG 112, 113, 116, 118, 200
   3. History: HIST 117, 118, 201, 202, 203, 204, 210, 231
   4. International Studies: INTST 130, 134
   5. Political Science: POLSC 115, 119, 120, 122, 124
   6. Psychology: PSY 110, 112, 202, 210, 220, 250
   7. Social Science: SSC 111
   8. Sociology: SOC 110, 114, 120, 213, 218, 219, 221
D. MATHEMATICS AND/OR LABORATORY SCIENCE (7 semester hours)
   1. Mathematics: The particular course prescribed in the specific Applied Science curriculum or MAT 106, MATH 110 or higher, AGBUS 118, BUS 120, CMGEN 123, RNRS 150.
   2. Laboratory Science: The particular course prescribed in the Applied Science curriculum or biology (except BIOL 150), chemistry, earth science, physics, physical science, HORT 110, AGRI 112 or 201.
E. HUMANITIES/FINE ARTS (3 semester hours)
   1. Art: ART 110, 142, 150, 151
   2. Film: FILM 110
   3. Foreign Language:
      ARA 110, 111, 210, 211;
      CHN 110, 111, 210, 211;
      FR 110, 111, 210, 211;
      GER 110, 111, 210, 211;
      ITAL 110, 111, 210, 211;
      SPAN 105, 110, 111, 210, 211
   4. History: HIST 111, 112
   5. Humanities: HUMAN 123, 124, 125, 128, 129
   6. International Studies: INTST 132, 133
   8. Music: MUS 148, 149, 150
   10. Communication: COMM 116; COMM 110 or 113 if not used in “B” above
   11. 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.

ASSOCIATE IN ENGINEERING SCIENCE DEGREE (AES) SPECIFIC REQUIREMENTS

In addition to the General Requirements for a Degree listed on page 4, candidates for the Associate in Engineering Science Degree must complete at least 64 semester hours of the following requirements maintaining an overall grade point average of 2.00 (C):

A. ENGLISH/COMMUNICATION: (6 semester hours)
   ENGL 110; ENGL 111 or COMM 110
B. SOCIAL SCIENCE/HUMANITIES/FINE ARTS: (12 semester hours, a minimum of one course must be taken in a social science and a minimum of one course must be taken in humanities/fine arts.)
   1. SOCIAL SCIENCE:
      Economics: ECON 110, 111
      Geography: GEOG 112 or 113, 116, 118, 200
      History: HIST 117, 118, 201, 202, 231
      International Studies: INTST 130, 131, 134
      Political Science: POLSC 115, 119, 120, 122, 124
      Psychology: PSY 110, 202, 210 (will not fulfill IAI if SOC 218 completed), 220
      Social Science: SSC 111
      Sociology: SOC 110, 114, 120, 213, 218, 219, 221 (will not fulfill IAI if PSY 210 completed), 219
   2. HUMANITIES/FINE ARTS
      Art: ART 110, 142, 150, 151
      Film: FILM 110
      Foreign Language: ARA 211 or CHN 211 or FR 211 or GER 211 or ITAL 211 or SPAN 211
      History: HIST 111, 112
      Humanities: HUMAN 123, 124 or 125, 128, 129
      International Studies: INTST 132 or 133
      Mass Communication: MCOMM 224
      Music: MUS 148, 149, 150
      Philosophy: PHIL 110, 111, 112, 115, 116
      Theatre: THTRE 110 or 111
C. MATHEMATICS: (16 semester hours) MATH 222, 223, 224, 250
   See chart on page 5.
D. LABORATORY SCIENCES: (14 semester hours) CHEM 130, PHYS 211, 212, 213
E. REQUIRED ENGINEERING COURSES: (4 sem. hours) ENGR 110, 230
F. ENGINEERING COURSES: (minimum 5 semester hours selected from any of the following courses: ENGR 113, 240, 241, 242, 251, 252, 253)
G. Additional SCIENCE, MATHEMATICS, or ENGINEERING courses: (minimum 4 hours selected from any of the following: CHEM 132, 220, 230; BIOL 160; MATH 230; ENGR 113, 240, 241, 242, 251, 252, 253; PHYS 214)
H. ELECTIVE:* (3 semester hours, any transfer course to meet the minimum 64 semester hours for the degree)

* Students intending to transfer to Southern Illinois University or Northern Illinois University should obtain the Associate in Science Degree (General Education courses include both ENGL 110 and 111 and COMM 110, 9 hours total Social Science, and 9 hours total Humanities).
ASSOCIATE IN GENERAL STUDIES DEGREE (AGS)
SPECIFIC REQUIREMENTS

In addition to the General Requirements for a Degree listed on page 4, candidates for the Associate in General Studies Degree must complete a minimum of 60 semester hours all labeled “TC” (transfer course) or “OC” (occupational course), including the following:

A. ENGLISH: (6 semester hours)
   1. English: ENGL 110, 111, 113, 116, 125, 201
   2. Communication: COMM 110, 113, 212

B. SOCIAL SCIENCE: (6 semester hours)
   1. Economics: ECON 105, 110, 111
   2. Geography: GEOG 112, 113, 116, 118, 200
   3. History: HIST 117, 118, 125, 201, 202, 203, 204, 210, 231
   4. International Studies: INTST 130, 134
   5. Political Science: POLSC 115, 119, 120, 122, 124
   6. Psychology: PSY 110, 112, 202, 210, 220, 250
   7. Social Science: SSC 111
   8. Sociology: SOC 110, 114, 120, 210, 213, 218, 221

C. MATHEMATICS: (3 semester hours)
   1. Mathematics: any MATH
   2. Agricultural Business: AGBUS 118
   3. Business: BUS 120
   5. General Technology: MAT 106, MATH 130, 137

D. LABORATORY SCIENCE: (4 semester hours)
   1. Agriculture: AGRI 112, 201
   2. Agriculture Mechanics: DPET 130, 229
   3. Biology: BIOL any except 150
   4. Chemistry: CHEM 110 or higher
   5. Earth Science: EASC 111 or higher
   6. Horticulture: HORT 110
   7. Physical Science: PHYS 110 or higher
   8. Physics: PHYS 110 or higher

E. HUMANITIES: (3 semester hours)
   1. Art: ART 110, 142, 150, 151
   2. Film: FILM 110
   3. Foreign Language:
      ARA 110, 111, 210, 211;
      CHN 110, 111, 210, 211;
      FR 110, 111, 210, 211;
      GER 110, 111, 210, 211;
      ITAL 110, 111, 210, 211;
      SPAN 105, 110, 111, 210, 211
   4. History: HIST 111, 112
   5. Humanities: HUMAN 123, 124, 125, 128, 129
   6. International Studies: INTST 132, 133
   7. Literature: LIT 110, 111, 115, 117, 119, 120, 122, 212,
      213, 214, 215, 216, 240, 250, CHILD 231
   8. Music: MUS 148, 149, 150
   10. Communication: COMM 116; COMM 110 or 113 if not used in A above
   11. Theatre: THTRE 110, 111

Transfer Agreements/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 Arts Degree and 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: www.iTransfer.org.

In addition to IAI provisions, Illinois Central College has articulated various other transfer courses with several colleges and universities to ensure ease of transfer of credits. The ICC Transfer Center, department and counseling offices have copies of these equivalencies. Students should still check with the four-year school to which they plan to transfer in order to make certain they will have the courses expected by the transfer institution. Check ICC’s Transfer Center website at www.icc.edu/currentStudents/transferCenter.asp

Refer to IAI and ICC General Education Course Alignment (page 10) and follow ICC’s IAI/Transfer guidelines:

- Students should be advised that most universities will accept for transfer no more than approximately 66 semester 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 page 332 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 SEM HRS)
- **C1 900** ENGL 110 Composition I
- **C1 901R** ENGL 111 Composition II
- **C2 900** COMM 110 Communication: Process & Practice
- **C2 900** COMM 112 Oral Communication

### Mathematics (6 SEM HRS)
- **M1 904** MATH 110 Concepts of Mathematics
- **M1 902** MATH 111 General Education Statistics
- **M1 905** MATH 122 Discrete Mathematics I
- **M1 906** MATH 134 Finite Math
- **M1 900-B** MATH 135 Calculus for Business and Social Science
- **M1 906** MATH 134 Finite Math
- **M1 905** MATH 122 Discrete Mathematics I
- **M1 902** MATH 211 Statistical Analysis
- **M1 900-3** MATH 224 Calculus and Analytic Geometry III
- **M1 900-2** MATH 223 Calculus and Analytic Geometry II
- **M1 900-1** MATH 222 Calculus and Analytic Geometry I

### Physical and Life Sciences (8 SEM HRS)
- **P1 903L** CHEM 110 Chemistry and Society
- **P1 902L** CHEM 115 Foundations of Chemistry
- **P1 902L** CHEM 120 Principles of Chemistry
- **P1 902L** CHEM 130 General Chemistry
- **P1 905L** EASC 111 Survey of Earth Science
- **P1 907L** EASC 116 Introduction to Geography
- **P1 905L** EASC 118 Introduction to Weather & Climate
- **P1 907L** EASC 250 Field Geology
- **P1 901L** PHYS 110 Foundations of Physics
- **P1 900L** PHYS 120 General Physics
- **P9 900L** PHYSC 110 Energy and Environment
- **P1 906L** PHYSC 114 Introduction to Astronomy
- **L1 900L** BIOL 110 Life Science
- **L1 900L** BIOL 111 Biology of Man
- **L1 905L** BIOL 114 Environmental Biology
- **L1 905L** BIOL 115 Native Plants and Animals
- **L1 901L** BIOL 120 General Botany
- **L1 902L** BIOL 130 General Zoology
- **L1 904L** BIOL 140 Human Anatomy and Physiology
- **L1 904L** BIOL 205 Principles of Human Anatomy and Physiology I
- **L1 906L** BIOL 150 Genetics
- **L1 900L** BIOL 160 Bioprinicples I
- **L1 905L** BIOL 250 Field Biology

### Humanities and Fine Arts (9 SEM HRS)
- **H1 900** ARA 211 Intermediate Modern Arabic IV
- **H1 900** CHN 211 Intermediate Mandarin Chinese IV
- **H1 900** FR 211 Intermediate French II
- **H1 900** GER 211 Intermediate German II
- **H1 900** SPAN 211 Intermediate Spanish II
- **H2 906** HIST 111 Early World Civilizations
- **H2 907** HIST 112 Modern World Civilizations
- **H3 902** HUMAN 129 Language and Literature
- **H3 900** LIT 110 Introduction to Literature
- **H3 901** LIT 111 The Short Story and the Novel
- **H9 901** LIT 115 Mythology
- **H3 903** LIT 117 Introduction to Poetry
- **H3 911D** LIT 119 Women's Literature
- **H5 901** LIT 120 The Bible as Literature
- **H3 910D** LIT 122 Literature of Ethnic America
- **H3 912** LIT 212 English Literature
- **H3 913** LIT 213 English Literature
- **H3 905** LIT 214 Shakespeare
- **H3 914** LIT 215 American Literature
- **H3 915** LIT 216 American Literature
- **H3 909** LIT 230 Russian Life and Literature
- **H3 906** LIT 250 Masterpieces of Western Literature
- **H4 900** PHIL 110 Introduction to Philosophy
- **H4 906** PHIL 111 Logic
- **H5 904N** PHIL 112 Comparative Religions
- **H4 904** PHIL 115 Ethics
- **H4 905** PHIL 116 Philosophy of Religion
- **F2 900** ART 110 Introduction to Art
- **F2 904** ART 142 The History of Photography
- **F2 901** ART 150 Art History I
- **F2 902** ART 151 Art History II
- **F2 908** FILM 110 Survey of Film
- **HF 902** HUMAN 123 Classical Humanities: Beginnings Through 1650
- **HF 903** HUMAN 124 Modern Humanities: 1650-1900
- **HF 903** HUMAN 125 Contemporary Humanities
- **F9 900** HUMAN 128 Art and Music
- **HF 904N** INTST 132 Latin American Humanities
- **HF 904N** INTST 133 Cultures and Civilizations of Sub-Saharan Africa
- **F2 909** MCOMM 224 History of Motion Pictures
- **F1 901** MUS 148 Introduction to American Music
- **F1 901** MUS 149 Introduction to Music Literature
- **F1 900** MUS 150 What to Listen for in Music
- **F1 907** THTRE 110 The Nature of Theatre
- **F1 907** THTRE 111 Trends in Modern Drama and Theatre

### Social and Behavioral Science (9 SEM HRS)
- **S3 901** ECON 110 Principles of Macroeconomics
- **S3 902** ECON 111 Principles of Microeconomics
- **S4 900N** GEOG 112 Cultural Geography
- **S4 900N** GEOG 113 World Regional Geography
- **S4 902N** GEOG 116 Geography of the Developing World
- **S4 901** GEOG 118 Geography of the Developed World
- **S4 903N** GEOG 200 Economic Geography
- **S2 902** HIST 117 Early Western Civilization
- **S2 903** HIST 118 Modern Western Civilization
- **S2 900** HIST 201 American History to 1877
- **S2 901** HIST 202 American History since 1877
- **S2 908N** HIST 231 History of East Asia
- **S2 914N** INTST 130 The Society and Culture of China
- **S2 918N** INTST 134 Intro to Middle Eastern Cultures
- **S5 900** POLSC 115 American National Government
- **S5 902** POLSC 119 State and Local Governments
- **S5 903** POLSC 120 Political Methods and Concepts
- **S5 904** POLSC 122 Intro to International Relations
- **S5 905** POLSC 124 Comparative Political Systems
- **S6 900** PSY 110 Introduction to Psychology
- **S6 903** PSY 202 Child and Adolescent Development
- **S8 900** PSY 210 Human Social Behavior
- **S6 905** PSY 220 Adulthood and Aging
- **S7 900** SOC 110 Introduction to Sociology
- **S7 901** SOC 114 Social Problems
- **S7 902** SOC 120 Marriage and the Family
- **S1 901N** SOC 213 Introduction to Cultural Anthropology
- **S8 900** SOC 218 Introduction to Social Psychology
- **S7 903D** SOC 219 The Sociology of Race and Ethnicity in America
- **S9 900** INTST 140 Global Issues
- **S9 900** SSC 111 Americans and Their Culture
Application for Degree/Certificate

Applications may be obtained online at www.icc.edu/currentStudents/graduating, from your advisor, or any Enrollment Services location.

Complete the application form and submit it with your fee by the date listed in the chart below, to any of the Enrollment Services locations: East Peoria Campus, L211 Downtown Peoria, Perley Building, 103; ICC North, Cedar Hall; or ICC South, Pekin.

<table>
<thead>
<tr>
<th>When you expect to complete your program of study</th>
<th>Deadline to submit Application for Degree/Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Semester (December)</td>
<td>September 1</td>
</tr>
<tr>
<td>Spring Semester (May)</td>
<td>February 1</td>
</tr>
<tr>
<td>Summer Semester (July)</td>
<td>May 1</td>
</tr>
</tbody>
</table>

After your application is processed, you will receive an Official Degree Review by mail. This form will list any course requirements that must be met before you can receive a degree/certificate from Illinois Central College.

Application Fees*:
If applying for a degree = $15 (non-refundable)
If applying for a certificate = $5 (non-refundable)

Applications for Degree/Certificate are accepted up to 1 month after the deadline date but the student will be assessed a late fee of $25.

* Application fee covers two terms beyond the semester during which you submit the application, even if you apply a semester or two before you plan to complete your program of study.

Catalog of Record

For an Associate in Arts Degree and Associate in Science Degree, students must meet the requirements listed in the current catalog at the time of application for graduation. For an Associate in Applied Science Degree and/or Certificate in general, students have five years from first registration at ICC to complete the requirements outlined in this catalog. However, if there has been appreciable changes to the degree requirements then the student is required to meet the requirements in effect at that time. If the requirements are not completed within five years, students will be required to meet the requirements in effect at that time. However, students who have not 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 graduate under a catalog more than five years old if they have been enrolled continuously and the degree program has not changed appreciably. Requests for this exception should be directed to the Dean/Associate Dean of the department for approval.

Celebrate your success at ICC’s Commencement Ceremony

If you have met the requirements necessary for a degree/certificate in your program of study, you will receive a notice inviting you to participate in commencement. (4-6 weeks prior to commencement date) This letter will provide you with instructions on the steps necessary to participate in commencement.

ICC holds one commencement ceremony in May. (Students completing their program of study the previous December are encouraged to participate in the May ceremony.)

There is a purchase price of $25 for your cap and gown.

Participation in the commencement ceremony does not automatically assure a student of having earned a diploma or certificate. Final grades, and therefore degree certification, are verified as soon as possible following the ceremony. Diplomas will be mailed to the student approximately 4-6 weeks after all final grades are posted.

Participation in commencement is optional.
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 and Science
- Associate in Arts (AA)
- Associate in Science (AS)
- Associate in Engineering Science (AES)
- Associate in General Studies (AGS)

Furthermore, a student may not earn:

An Associate in Science (AS), Associate in Arts (AA), or Associate in General Studies (AGS) degree after earning an Associate in Arts and Science degree; or

An Associate in Arts (AA) or Associate in General Studies (AGS) degree after earning an Associate in Science (AS) degree; or

An Associate in General Studies (AGS) degree after earning an Associate in Arts (AA), Associate in Engineering Science (AES), or Associate in Applied Science (AAS) degree.
Application Procedure

Requirements for Specific Programs

ASSOCIATE IN ARTS DEGREE
ASSOCIATE IN SCIENCE DEGREE
ASSOCIATE IN ENGINEERING SCIENCE DEGREE
ASSOCIATE IN APPLIED SCIENCE DEGREES
OCCUPATIONAL CERTIFICATES
ASSOCIATE IN GENERAL STUDIES DEGREE
COMMUNITY EDUCATION

Residency

Students

MINIMUM AGE POLICY
INTERNATIONAL STUDENTS
TRANSFER STUDENTS/TRANSFER CREDIT
EVALUATION OF TRANSFER CREDIT
CREDIT FOR PRIOR LEARNING
CREDIT FOR SERVICE AND EDUCATION IN THE ARMED FORCES
SENIOR CITIZENS
Illinois Central College, serving the needs of Community College District No. 514, provides the opportunity for higher education to:

- High school graduates, recent or years ago
- Anyone 18 years of age or older
- Transfer students from other colleges and universities
- High school students seeking supplementary courses that will assist them toward their high school diploma
- Students who have severed connection with and/or dropped out of high school. (The principal or guidance counselor of the secondary school in which the student has legal residence may need to provide written confirmation of the severed connection.)

**Application Procedure**

New applicants enrolling for **FULL-TIME** study (12 or more semester hours) will:
1. submit an application to Illinois Central College.
2. have their high school submit a transcript directly to Illinois Central College Enrollment Services.
3. make available to Illinois Central College scores from the American College Testing Program (ACT).

New applicants enrolling for **PART-TIME** study (fewer than 12 semester hours) will submit an application. Applicants are required to provide high school transcripts or GED certificates, ACT scores and Illinois Central College Academic Placement Test results, if they plan to pursue a degree.

Former Illinois Central College students must reapply if five or more years have elapsed since previous attendance.

**APPLICATION MATERIALS SHOULD BE SENT TO:**

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

Applications may be completed online or printed from the website at www.icc.edu; may be picked up at all four College sites; or may be requested by phone at (309) 694-5354.

GED recipients must submit a copy of their GED Test Scores in lieu of the high school transcript. Applicants who have not graduated from high school or received a GED certificate are admissible to some programs.

All applicants, full-time or part-time, should take the COMPASS Academic Placement Test prior to enrollment.

**PRE-REQUISITE REQUIREMENTS FOR IAI GENERAL EDUCATION COURSES** (see page 10)

Students must meet a reading prerequisite to enroll in all IAI general education courses at ICC in one of the following ways:
1. 81 or higher on the COMPASS Reading Test
2. 18 or higher on the reading portion of the ACT
3. Completion of ENGL 095, ENGL 099, ENGL 105, or ENGL 110 with a grade of “C” or better.
4. An earned bachelor degree from a regionally-accredited college or university.
5. Department approval via the Dean or Associate Dean.
Admission Requirements for Specific Programs

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 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: MAT 098
- Science requirement: CHEM 094

ASSOCIATE IN APPLIED SCIENCE DEGREES

Occupational Certificates

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

As a public community college within the State of Illinois, Illinois Central College adheres to current residency requirements set forth by the Illinois Community College Board and the State Board of Education. With this in mind, students who are legal residents within District 514 are afforded a reduced tuition rate compared to other non-residents.

To verify that you are able to be classified as an in-district student, you will be asked to provide one (1) document showing your College District 514 address from EACH of the categories listed below. Each category must be represented for the residency appeal to be approved.

<table>
<thead>
<tr>
<th>Category I</th>
<th>Category II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valid Illinois Driver’s License</td>
<td>Payroll Stub</td>
</tr>
<tr>
<td>Valid Illinois State ID</td>
<td>Utility bill</td>
</tr>
<tr>
<td>Voter Registration Card</td>
<td>Bank Statement</td>
</tr>
<tr>
<td></td>
<td>Previous Year’s Federal/State Tax Return</td>
</tr>
<tr>
<td></td>
<td>Employer W-2 form</td>
</tr>
<tr>
<td></td>
<td>Rental Contract/Lease</td>
</tr>
<tr>
<td></td>
<td>Residential Property Tax Bill</td>
</tr>
</tbody>
</table>

Students who don’t meet these residency requirements may still be able to attend ICC at in-district rates. Contact Enrollment Services to discuss your situation (694-5354).
Students

MINIMUM AGE POLICY
It is not the intent of Illinois Central College to be the primary educational provider for students who have not completed their high school curriculum and are of high school age. However, ICC will consider limited enrollment on a case by case basis using the following guidelines listed below.

Admission
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 steps for enrolling at ICC for underage students are outlined below:

• Submit an ICC application.
• Submit a high school transcript.
• Take the COMPASS Academic Placement Test for proper course placement.
• Meet with the designated academic advisor to plan a class schedule.

Some programs of study have additional admission requirements beyond what are listed in this policy. See Programs of Study.

Minimum Age
The student must be at least 16 years old to enroll at ICC on a part-time basis in up to seven (7) credit hours.

To enroll full-time (12 or more credit hours) at ICC, the student must be at least 17 years old and must have received a high school diploma.

Exceptions to this policy will be considered on a case-by-case basis by the Director of Enrollment Services and Student Life. In addition to the enrollment steps listed above, students who are admitted on a contingent basis must:

• Submit written request for exemption to Director of Enrollment Services and Student Life.

If approved for underage enrollment:

• Meet with an academic advisor each semester before registering for classes.
• Sign a waiver that states the student and the parent/guardian understand that the student is responsible for final grades earned in all ICC classes.
• Make adequate academic progress (maintain a cumulative GPA of 2.0 or better) in order to enroll in classes during the subsequent semester. If a student does not make adequate progress after one semester, the student will then be expected to wait until high school graduation and/or the age of 17 before re-enrolling.

Some programs of study at ICC have additional age requirements beyond what is listed in this policy. See specific programs of study for more information.

Dual-Enrollment/Dual Credit
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 on a part-time basis in up to seven (7) credit hours.

Part-time enrollment at ICC for students who are at least 16 years old can supplement a high school curriculum.

Many district high schools offer dual credit courses for high school juniors and seniors in which the student receives high school and college credit at the same time. For more information, please contact the Dual Credit Coordinator, (309) 694-5534.

Students enrolled in dual credit courses are encouraged to read and understand all ICC enrollment and withdrawal policies.

Financial Aid
Federal student aid is available for qualifying high school graduates (regardless of age) enrolled in credit courses leading to a degree or certificate at ICC.

Illinois student aid is only available for high school graduates who are at least 17 years of age.

Any student eligible for federal student aid may also apply for ICC Educational Foundation Scholarships and private scholarships offered by ICC.

INTERNATIONAL STUDENTS
International students are required to contact the Director, International Education, (309) 694-8817, or the International Education Coordinator, (309) 694-8947. International students must read and write English, understand English when spoken, and speak easily understood English. All international students must take a TOEFL, IELTS, or CET (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 students are required to enroll in a minimum of 12 semester hours each semester. The International Education office will issue the I-20 form only after all documents have been submitted and the application has been accepted.

**TRANSFER STUDENTS/TRANSFER CREDIT**

To complete the application file as a full-time student at Illinois Central College in a degree program, applicants who attended other colleges must have each college submit a transcript directly to Illinois Central College Enrollment Services. Applicants with fewer than 12 semester hours of college credit will submit high school transcripts or GED certificates, ACT scores, and Illinois Central College Academic Placement Test results. Some certificate programs also require transcripts and ACT scores. You should inquire in Enrollment Services, L211, (309) 694-5467, to determine if documents are needed.

**EVALUATION OF TRANSFER CREDIT**

Students 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 automatically evaluated. Information regarding the date the transcript was received is available in the student’s eServices account. Keep in mind that only 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 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. Course work from non-United States institutions must be evaluated by an approved agency such as World Education Services (WES.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 below)
- CLEP exams (see Testing Center, page 332)
- Advanced placement exams (see Testing Center, page 332)
- Dual credit (see page 311)
- Transfer credit (see page 9)
- Departmental proficiency exams (see Testing Center, page 332)
- Portfolio development via the Council on Adult and Experiential Learning’s (CAEL) “Learning Counts” course (contact Dr. Margaret Swanson for more information, (309) 694-8584)

**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 the Army (AARTS) must be sent directly to the College from the appropriate institution. 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 or DD-295. Students must bring a copy of their DD-214 or DD-295 to Enrollment Services, and will be asked to use the DANTES guide to identify the course descriptions. Eligible veterans, as outlined below, may receive an additional six hours of credit upon submission and review of their DD-214. The credit consists of four semester hours of physical education and two semester hours of hygiene. Review of the DD-214 or DD-295 will be completed by a designated Enrollment Services staff member.

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).

Questions regarding armed services credit should be directed to Enrollment Services, L211, (309) 694-5611.

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.
FINANCIAL ASSISTANCE

Scholarships

Special Academic Services
Financial Assistance

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 assistance to students who may encounter difficulty in meeting financial obligations while pursuing their education.

Major types of assistance include:
1. Federal Pell Grant Program
2. State of Illinois Monetary Award Program (MAP)
3. State of Illinois Incentive Access Grant Program (IIA)
4. Federal Direct Loan Program
5. Federal Work Study
6. Federal Supplemental Educational Opportunity Grant
7. Scholarships: ICC Educational Foundation
8. Tuition waivers
9. Other Veteran Benefits: Illinois Veterans Grant, Illinois National Guard, MIA/POW, etc.

Students may be considered for financial assistance if they:
• complete the Free Application for Federal Student Aid (FAFSA);
• are in compliance with the Satisfactory Academic Progress Standards as required by the Financial Assistance Office (exact rules may be obtained in the Financial Assistance Office and at www.icc.edu/financialaid).

To apply for financial assistance:
Submit a U.S. Department of Education Free Application for Federal Student Aid (FAFSA) and include Illinois Central College’s federal school code 006753. The FAFSA can be submitted electronically with the government at www.fafsa.ed.gov. The ICC Financial Assistance staff is able to provide assistance with completing the FAFSA. Please visit the Financial Assistance Office or call (309) 694-5311 for assistance.

Students are encouraged to complete the FAFSA form as soon as possible after January 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 the Federal Supplemental Educational Opportunity Grants (FSEOG) and Federal Work Study.

Scholarships

The Illinois Central College Educational Foundation is 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, L209, or on the web at www.icc.edu/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

Financial assistance to purchase required books and supplies is available to qualified applied science and certificate students. Special Academic Services also provides financial support 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 specific health programs at ICC.
Degrees
Program Changes
Associate in Arts Degree
Associate in Science Degree
Associate in Engineering Science Degree
Associate in Applied Science Degree
Occupational Certificate
Career Clusters
Understanding Accreditation
Programs of Study
listed alphabetically
Degrees

**Associate in Arts Degree** is a baccalaureate-oriented transfer degree focused in one of the arts, humanities, or social or behavioral sciences, or one of the professional fields with these disciplines as a base. Completion of the degree may qualify an individual for junior standing at many four-year colleges and universities.

**Associate in Science Degree** is a baccalaureate-oriented transfer degree focused in one of the mathematical, biological, or physical sciences, or one of the professional fields with these disciplines as a base. Completion of the degree may qualify an individual for junior standing at many four-year colleges and universities.

**Associate in Applied Science Degree** is a career-oriented degree that prepares an individual for immediate employment and is awarded in a specific program of study.

**Associate in Engineering Science Degree** is a baccalaureate-oriented degree. Completion of the degree qualifies an individual to pursue an engineering degree at four-year colleges and universities.

**Associate in General Studies Degree** is designed for individuals interested in acquiring a general education to suit their specific needs. It is not designed as a transfer degree.

Program 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 or Advisement and Counseling Services in the Career Center. When the change is deemed desirable, students should fill out a curriculum change. The change is not official until the curriculum change is accepted by the department or program that administers the newly selected program.

Admission Requirements for Specific Programs

Refer to page 15.

Associate in Arts Degree and Associate in Science Degree

The Associate in Arts Degree and the Associate in Science Degree is for students planning to transfer to a senior college or university for a baccalaureate degree. Refer to page 14 for admission procedures.

Most public universities in Illinois recommend that the student complete the Associate in Arts Degree or the Associate in Science Degree at Illinois Central College prior to transfer. Illinois Central College is participating in the Illinois Articulation Initiative (IAI). Under the terms of IAI, a student who fulfills the General Education requirements for the Associate in Arts Degree or the 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 a four-year college or university easier. In some majors it is desirable to transfer prior to the junior year. Students should consult with the university before making the final decision regarding transfer.

Courses at Illinois Central College are those normally taken the first two years of the baccalaureate degree. Since requirements vary to some extent from one university to another, the course of study for each student MUST BE PLANNED WITH THE ASSIGNED ADVISOR AND THE ICC TRANSFER CENTER. Students will then be able to determine the best time to transfer to the selected college or university. Most four-year public institutions in Illinois award junior standing to students with the Associate in Arts Degree or the Associate in Science Degree and waive further general education requirements.

Illinois Central College students have successfully transferred to senior colleges and universities after completion of their Arts or Science Degree requirements. Most of our transfer graduates continue their baccalaureate study at universities such as Illinois State University, Bradley University and the University of Illinois, and many have transferred to out-of-state institutions.

Follow-up studies regularly sent to Illinois Central College by senior institutions show our transfer students have a similar level of academic success during their junior and senior years as students who began as freshmen at those
institutions. Associate in Arts Degree or Associate in Science Degree graduates have no difficulty transferring credits to senior institutions, and in most cases can be assured a bachelor’s degree in two more years of successful work if they do not change their course of study.

For prospective transfer students interested in a course of study leading to a bachelor’s degree, Illinois Central College offers a wide selection of courses. The following is a partial list that reflects the variety of transfer areas of study for which Illinois Central College students may prepare:

**Associate of Arts**
- Architecture
- Art
- Communication - General
- Communication - Public Relations
- Dance
- English
- Foreign Language
- Graphic Design
- History
- Interior Design
- International Studies
- Journalism
- Liberal Arts
- Mass Communication
- Multimedia
- Music
- Philosophy
- Political Science
- Pre-Law
- Social Work
- Theatre
- Undecided

**Associate in Science**
- Accountancy
- Actuarial Science
- Agriculture
- Biology
- Business Administration
- Chemistry
- Computer Information Systems - Business Emphasis
- Computer Information Systems - Technical Emphasis
- Criminal Justice
- Dietetics
- Economics
- Education - Elementary
- Education - Secondary
- Education - Special
- Engineering
- Environmental Science
- Family & Consumer Sciences
- Forensic Science
- Geography
- Geology
- Health Career Professions
- International Business
- Mathematics
- Meteorology
- Physical Education
- Physics
- Pre-Chiropractic
- Pre-Medical, Pre-Dental
- Pre-Pharmacy
- Pre-Veterinary
- Psychology
- Sociology
- Statistics
- Undecided

Program listings on the following pages illustrate what a student might take if interested in a particular field. These are only examples, and students must consult with an academic advisor to develop their own particular plan. Specific degree requirements of Illinois Central College are shown on pages 5 and 6. College and university catalogs are located in both campus libraries and in the ICC Transfer Center on the East Peoria Campus for reference.

**Associate in Engineering Science Degree**

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 64 semester hours of math, 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 on page 8.)

This sequence is articulated with Bradley University, University of Missouri at Rolla, University of Illinois at Urbana-Champaign or University of Illinois-Chicago, and fulfills most other university requirements. Students planning to attend Northern Illinois University or Southern Illinois University should meet with an advisor as early as possible. Students must complete the basic skills placement test before admission into this program.

**Associate in Applied Science Degree**

Illinois Central College offers career programs to students seeking the advantages of specialized training for full-time employment after completion of the two-year Associate in Applied Science Degree.

Applicants seeking the Applied Science Degree must apply for admission to a specific program. Acceptance for admission will be in accordance with interests and abilities and/or completion of prerequisites for study.

Although Associate in Applied Science Degree programs are designed to qualify the graduate for immediate employment, some colleges and universities will accept graduates into some of their baccalaureate degree programs. Individuals interested in an Associate in Applied Science Degree program, with the possible continuation for a bachelor’s degree, should discuss this possibility with their academic advisor.

Programs of study have been developed by the faculty of Illinois Central College with the assistance of citizens serving on career advisory committees of the college and personnel of state approval agencies. The resulting programs
are relevant to jobs in which students intend to be employed upon completion of college. The following curricula are included in this section:

**Associate in Applied Science**
- Accounting
- Agricultural Business Mgmt
- Agricultural Sales
- Animal Systems Mgmt
- Crop Systems Mgmt
- Fert & Chem Operations
- Architectural Construction Tech
- Automotive Technology
- Caterpillar Dealer Service Tech
- Child Development
- Cisco Networking Specialist
- Clinical Laboratory Technician
- Computer Programming and Database Development
- Crime Scene Technology
- Culinary Arts Management
- Dental Hygiene
- Diesel Powered Equipment Tech
- Drug & Alcohol Counselor Training
- Electronics Technology
- Emergency Medical Services
- Finance
- Fire Science Technology
- Game Design
- GM-ASEP
- Graphic Communications
- Graphic Design
- Green Building Environment
- Horticulture Landscape Mgmt.
- Horticulture Turfgrass Mgmt.
- Human Services
  - Aging Services
  - Child Development
  - Family/Youth Services
  - Generalist
  - Mental Health
- HVAC/R Technology
- Industrial Electrical Technology
- Interpreter Preparation
- Law Enforcement
- Library Technical Assistant
- LPN to RN Completion
- Machine Tool Technology
- Maintenance Mechanic Technology
- Management
  - Hospitality
  - Supervision
  - Supply Chain Management
- Manufacturing Engineering Technology
- Marketing/Sales & Retail Mgmt
- Mechanical Engineering Technology
- Multimedia
- Multi-Skilled Maintenance Tech.
- Network Administrator
- Occupational Therapy Assistant
- Office Professional
- Paralegal
- Paraprofessional Educator
- Personal/Fitness Trainer
- Physical Therapist Assistant
- Radiographer
- Real Estate
- Registered Nurse
- Respiratory Therapist
- Restaurant Management
- Surgical Technologist
- Web Systems
- Welding Technology

Additional programs are available at neighboring community colleges. See Inter-District Cooperative Education Agreements, page 320.

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**Occupational Certificate**

Illinois Central College offers career programs leading to a Certificate. These programs are usually less than two years duration; however, several of the programs are designed to be completed on a part-time basis over several years while the individual is employed. These specialized educational programs prepare the graduate to enter or advance in employment.

Illinois Central College currently offers the following occupational certificates:

- 9-1-1 Telecommunicator
- Accounting Clerk/Bookkeeper
- Agricultural Business Management-Precision Agriculture
- Agricultural Production
- Architectural Drafting
- Automotive Fundamentals
- Banking & Finance
- Carpenter’s Apprentice
- Child Development-Advanced
- Child Development-Basic
- Cisco Certified Network Associate
- Cisco Certified Network Professional
- Clerk Typist
- CNC Machine Operator
- Commercial Refrigeration Technician
- Computer-Aided Mechanical Drafting
- Computer Programming and Database Development
- Crime Scene Technology
- Culinary Arts Management
- Customer Service Professional
- Data Entry Clerk
- Digital Publishing
- Drug & Alcohol Counselor Training
- E-Commerce
- Electronics Servicing
- Emergency Management
- Emergency Medical Tech.- Basic
- Geospatial Technologies
- Green Building Environment
- Healthcare Emergency Manager
- Horticulture-Landscaping
- Horticulture-Turfgrass Operations
- Human Services
  - Developmental Disabilities
  - Psychiatric Rehabilitation
- HVAC Technician
- Industrial Business Security
- Interpreter Preparation
- Library Technical Assistant
- Licensed Practical Nursing
- Machinist
- Management of Supply Chain
- Massage Therapist
- Mechanical/Electrical Maintenance
- Medical Assistant
- Medical Coder
- Medical Office Assistant-Adm.
- Networking
- Nursing Assistant
- Office and Information Processing Management
- Paralegal
- Paraprofessional Educator
- Personal/Fitness Trainer
- Phlebotomist
- Photovoltaic Installer
- Real Estate
- Small Business Management
- Solar Thermal Heating Systems
- Surgical Technologist
- Travel and Tourism
- Truck Driver Training Program
- Web Designer
- Web Developer
- Web-Rich Internet Application Development
- Webmaster
- Welding Operator
- Welding Specialist
- Word Processing Specialist
Career Clusters

Through the program sections of the Catalog, you’ll see small icons like this. These icons identify the primary career cluster for the program. Career Clusters were developed to give you the information you need to decide about a career. A “cluster” describes a group of careers that have specific knowledge (things you know) and skills (things you do) in common.

At ICC, you’ll find various programs that prepare you for careers in general areas like finance, health sciences, information technology, manufacturing or marketing.

Here are the icons and the areas they represent:

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

While Career Clusters give you an idea of how ICC programs fit into general career areas, you need to know that sometimes your program can support many Career Clusters. You might choose a program that has a primary Career Cluster of Information Technology, but you really want to be a teacher (the Education & Training Cluster). In this case, you’re really preparing for two of the career areas!

But we’ve kept our coding simple and just provided the primary career area to avoid confusion. Regardless of how you want to mix and match these, the best path to the career you want is to work with your advisor or ICC’s Career Center.

For more information on Career Clusters and how they fit into the job world, visit: http://www.careertech.org
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, each named after the region in which it operates (Middle States, New England, North Central, Northwest, Southern, Western). 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, and 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 of the North Central Association (www.ncahlc.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
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60

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 listed on page 5. Check current IAI transfer status at www.iTransfer.org. 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 apply for graduation.

Recommended Course Sequence:
First Semester: ENGL 110; Life Science; Humanities; COMM 110; Electives
Second Semester: ENGL 111; Social Science; Physical Science; Fine Arts; Electives
Third Semester: Social Science; Mathematics; Electives
Fourth Semester: Humanities/Fine Arts; Social Science; Electives

For Program Information Contact:
Advisement and Counseling Services
Room L220
East Peoria Campus
(309) 694-5281

Associate in Arts

REQUIRED GENERAL EDUCATION COURSES

- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- Communication 3 sem. hrs.
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Physical Science* 3-4 sem. hrs.
- Social Science* 3 sem. hrs.
- Mathematics 3 sem. hrs.
- Electives 23-27 sem. hrs.

*See specific requirements for Associate in Arts Degree (page 5).

NOTE

This degree program is offered online.
Please contact the Virtual Campus Office for more information.
(309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60

Program Information: in addition to the general requirements for a degree, candidates for the degree of Associate in Science must complete at least 60 semester hours of transfer credit courses including the general education requirements listed on page 6. Check current IAI transfer status at www.iTransfer.org. Courses labeled occupational credit (OC) in course descriptions may NOT be applied to degree requirements. All students who earn the Associate in Science Degree must complete the specific degree requirements in effect for the Associate in Science Degree at the time they apply for graduation.

Recommended Course Sequence:
First Semester: ENGL 110; Life Science; Humanities; COMM 110; Electives
Second Semester: ENGL 111; Social Science; Physical Science; Fine Arts; Electives
Third Semester: Social Science; Mathematics; Electives
Fourth Semester: Humanities/Fine Arts; Social Science; Electives

For Program Information Contact:
Advisement and Counseling Services
Room L220
East Peoria Campus
(309) 694-5281

Associate in Science

REQUIRED GENERAL EDUCATION COURSES
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- Communication 3 sem. hrs.
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Mathematics 6-8 sem. hrs.

ELECTIVE COURSES
- Electives 19-21 sem. hrs.

*See specific requirements for Associate in Science Degree (page 6).

NOTE
This degree program is offered online.
Please contact the Virtual Campus Office for more information.
(309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
ASSOCIATE IN ENGINEERING SCIENCE

Transfer Program

Degree: Associate in Engineering Science
Total Credit Hours: 64

Program Information: prepares students for entry into a baccalaureate level engineering program at the junior level. A suggested sequence of courses includes a minimum of 64 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 on page 8. This sequence is articulated with Bradley University, University of Missouri at Rola, University of Illinois at Urbana-Champaign or Chica, and fulfills most other university requirements. Students planning to attend Northern Illinois University or Southern Illinois University should meet with an advisor as early as possible.

Recommended Course Sequence:
First Semester: MATH 222; CHEM 130; ENGL 110; ENGR 113 or Elective
Second Semester: MATH 223; ENGR, MATH or Science Elective; ENGR 230; PHYS 211
Third Semester: MATH 224; PHYS 212; ENGR Elective; ENGL 111 or COMM 110
Fourth Semester: MATH 250; PHYS 213; ENGR Elective; Social Science; Social Science or Humanities/Fine Arts; Humanities/Fine Arts

Admission to the Program: students must complete the COMPASS placement tests. Summer sessions are necessary for most engineering students.

For Program Information Contact:
Math, Science, and Engineering Department Room 320B, East Peoria Campus (309) 694-5365

ASSOCIATE IN ENGINEERING SCIENCE

GENERAL EDUCATION REQUIRED COURSES
- Humanities/Fine Arts* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science or Humanities/Fine Arts* 6 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- or COMM 110 Communication: Process and Practice 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CHEM 130 General Chemistry 4 sem. hrs.
- ENGR 110 Introduction to Engineering 1 sem. hr.
- ENGR 230 Programming Engineering Applications 3 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.
- MATH 223 Calculus and Analytic Geometry II 4 sem. hrs.
- MATH 224 Calculus and Analytic Geometry III 4 sem. hrs.
- MATH 250 Differential Equations 3 sem. hrs.
- PHYS 211 Engineering Physics: Mechanics 4 sem. hrs.
- PHYS 212 Engineering Physics: Electricity and Magnetism 4 sem. hrs.
- PHYS 213 Engineering Physics: Thermodynamics 2 sem. hrs.

ELECTIVE COURSES
- ENGR Elective*** 5 sem. hrs.
- ENGR, Math, or Science Elective** 4 sem. hrs.

ENHANCED COURSES
- PHYS 214 Engineering Physics: Modern Physics 2 sem. hrs.

* See specific requirements for Associate in Engineering Degree (page 8).
** Engineering, mathematics, and science electives should be chosen from the following list with the help of an advisor in order to meet the entrance requirements for junior standing at the student’s chosen university: ENGR 113, 240, 241, 251, 252; MATH 230; PHYS 214; CHEM 220, 230; BIOL 160.
*** Engineering Electives: (At least six hours must be selected) ENGR 113, 240, 241, 242, 251, 252, 253.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
ASSOCIATE DEGREE

Degree: Associate in General Studies

Total Credit Hours: 60

Program Information: for individuals who wish to take courses to satisfy their needs and desires for self-improvement and development. The Associate in General Studies Degree is generally NOT intended for transfer to a four-year school or to prepare a student for employment. This program should NOT be confused with taking General Education courses in preparation for either an Associate in Arts, Associate in Science Degree, or an Associate in Applied Science Degree.

Recommended Course Sequence:

First Semester: Humanities; Electives
Second Semester: English; Mathematics; Electives
Third Semester: Laboratory Science; Social Science; Electives
Fourth Semester: English; Social Science; Electives

For Program Information Contact:
Advisement and Counseling Services
Room L220
East Peoria Campus
(309) 694-5281

Associate in General Studies

REQUIRED GENERAL EDUCATION COURSES

- English 3 sem. hrs.
- English 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Laboratory Science* 3 sem. hrs.
- Mathematics 3-4 sem. hrs.
- Social Science* 3 sem. hrs.

ELECTIVE COURSES

- Electives 37-42 sem. hrs.

*See specific requirements for Associate in General Studies (page 9).

NOTE

This degree program is offered online.
Please contact the Virtual Campus Office for more information,
(309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 15

Program Information: prepares the student to enter into 9-1-1 telecommunicator positions within the community. It will introduce the criminal justice system, as well as cover the fundamentals of call taking and dispatching emergency calls, specifically for the police, fire and EMS departments. It will also include a specific internship for a 9-1-1 telecommunicator.

Recommended Course Sequence:
First Semester: CRJ 110, CRJ 190
Second Semester: CRJ 225; CRJ 191
Summer Semester: CRJ 201

For Program Information Contact:
Public Services and Community Outreach Department, ICC North, (309) 690-6863

9-1-1 Telecomunicator

REQUIRED COURSES

- CRJ 110 Introduction to the Criminal Justice System 3 sem. hrs.
- CRJ 190 9-1-1 Telecomunicator I 3 sem. hrs.
- CRJ 191 9-1-1 Telecomunicator II 3 sem. hrs.
- CRJ 201 Internship in Criminal Justice 3 sem. hrs.
- CRJ 225 Criminal Law 3 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Minimum Credit Hours: 60-64

Program Information: 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, all 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 program.

Recommended Course Sequence:
First Semester: ENGL 110; ACCTG 120; MATH 115; COMM 110; Humanities/Fine Arts
Second Semester: ENGL 111; ACCTG 121; MATH 135; CMPSC 120; Social Science
Third Semester: BUS 203; ECON 110; Life Science; Humanities
Fourth Semester: ECON 111; BUS 215; Physical Science; Fine Art

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Accountancy

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ECON 111 Principles of Microeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 115 College Algebra** 3 sem. hrs.
- MATH 135 Calculus for Business and Social Sciences*** 4 sem. hrs.

REQUIRED PROGRAM COURSES

- ACCTG 120 Financial Accounting 4 sem. hrs.
- ACCTG 121 Managerial Accounting 4 sem. hrs.
- BUS 203 Business Statistics 4 sem. hrs.
- BUS 215 Legal Environment of Business 3 sem. hrs.
- CMPSC 120 Business Computer Systems 3 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).
** The appropriate mathematics sequence is contingent on the individual’s mathematics background and placement test.
*** When a student tests into MATH 135, 3 hours of the Mathematics requirement can be waived with the completion of MATH 135 and BUS 203 with a grade of “C” or better. Total credit hours for degree completion remains at a minimum of 60 credit hours.

NOTE

This degree program is offered online.
Please contact the Virtual Campus Office for more information, (309) 694-8888 or www.icc.edu/VirtualCampus.

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

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 64 credit hours be completed before transfer.
Accounting

**REQUIRED GENERAL EDUCATION COURSES**
- Communication* 3 sem. hrs.
- English* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Laboratory Science/Mathematics* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- BUS 120 Business Mathematics 3 sem. hrs.
- ECON 105 Survey of Economic Principles 3 sem. hrs.
  or ECON 110 Principles of Macroeconomics 3 sem. hrs.

**REQUIRED PROGRAM COURSES**
- ACCTG 113 Tax Accounting 3 sem. hrs.
- ACCTG 115 Payroll Accounting 3 sem. hrs.
- ACCTG 120 Financial Accounting 4 sem. hrs.
- ACCTG 121 Managerial Accounting 4 sem. hrs.
- ACCTG 206 Intermediate Accounting I 3 sem. hrs.
- ACCTG 207 Intermediate Accounting II 3 sem. hrs.
- ACCTG 208 Cost Accounting 3 sem. hrs.
- ACCTG 216 Accounting and Information Systems 3 sem. hrs.
- ACCTG 260 Accounting Internship 3 sem. hrs.
  or ACCTG 108 Accounting Using Quick Books 3 sem. hrs.
  or Accounting Elective 3 sem. hrs.
- BUS 115 Business Law 3 sem. hrs.
- BUS 116 Business Law 3 sem. hrs.
- BUS 200 Human Relations in Business 3 sem. hrs.
- CMGEN 120 Computer Applications 3 sem. hrs.
- MGMT 113 Principles of Management 3 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 45-46

Program Information: designed for students desiring to rapidly acquire skills for entry level accounting employment. It combines the study of accounting and related office procedures to provide a balanced background of skills and knowledge required for such positions. Individual will learn how to enter details of transactions in account and cash journals from items such as, sales receipts, invoices, check stubs, inventory records and requisitions. Individual will supply details on special journals and transfer data to a general ledger. Individual will learn to calculate employee wages and to establish and maintain appropriate payroll records as required by local, state and federal agencies. Examples of related job titles include: cashier, general bookkeeper, accounts payable clerk, savings clerk, discount clerk, trust bookkeeper and interest accrual bookkeeper.

Recommended Course Sequence:
First Semester: ACCTG 105; BUS 110; BUS 120; OFOCC 151, TYPE 120; TYPE 121
Second Semester: ACCTG 120; ACCTG 115; OFACS 132; OFOCC 205; WP 161
Third Semester: ACCTG 108; OFOCC 111; OFOCC 210; Communication; Approved Elective

Other Information: students should apply for an “Application for Degree/Certificate” soon after completing 20 hours of the above program. The form is available in Enrollment Services, L211, or online at www.icc.edu/currentStudents/graduating. Graduation fee should be paid in Enrollment Services, L210.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

ACCOUNTING CLERK BOOKKEEPER

REQUIRED COURSES

- Approved Elective* 3 sem. hrs.
- Communication** 3 sem. hrs.
- ACCTG 105 Bookkeeping/Accounting I*** 3 sem. hrs.
- ACCTG 108 Accounting Using Quick Books 3 sem. hrs.
- ACCTG 115 Payroll Accounting 3 sem. hrs.
- ACCTG 120 Financial Accounting 4 sem. hrs.
- BUS 110 Introduction to Business 3 sem. hrs.
- BUS 120 Business Mathematics 3 sem. hrs.
- OFACS 132 Electronic Spreadsheets 3 sem. hrs.
- OFOCC 111 Telephone Skills for the Office 1 sem. hr.
- OFOCC 151 Professional Development for Office Employees 3 sem. hrs.
- OFOCC 205 Fundamentals of Records Control 3 sem. hrs.
- OFOCC 210 Administrative Office Procedures 3 sem. hrs.
- TYPE 120 Keyboard/Word Processing I**** 3 sem. hrs.
- TYPE 121 Keyboarding/Word Processing II**** 3 sem. hrs.
- WP 161 Data Entry 1 sem. hr.

* Approved electives: ACCTG 113, 121; OFOCC 250
** ENGL 105, 110; 125; COMM 110, 113
*** or Accounting elective
**** or equivalent

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

Program Information: students who have a strong interest in mathematics and business should investigate this 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 ICC.

Recommended Course Sequence:
First Semester: MATH 222; ENGL 110; Life Science; Social Science
Second Semester: MATH 223; CMPSC 125 or ENGR 230; ENGL 111; Physical Science; Fine Arts
Third Semester: MATH 224; COMM 110; ACCTG 120; Humanities
Fourth Semester: MATH 230; ACCTG 121; ENGL 111; Humanities/Fine Arts; Electives

For Program Information Contact:
Math, Science, and Engineering Department, Room 320, (309) 694-5365

Actuarial Science

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3-4 sem. hrs.
- Life Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ECON 111 Principles of Microeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.
- MATH 223 Calculus and Analytic Geometry II 4 sem. hrs.

REQUIRED PROGRAM COURSES

- ACCTG 120 Financial Accounting 4 sem. hrs.
- ACCTG 121 Managerial Accounting 4 sem. hrs.
- CMPSC 125 or ENGR 230 CS I Programming in C++ 3 sem. hrs.
- ECON 111 Principles of Microeconomics 3 sem. hrs.
- MATH 224 Calculus and Analytic Geometry III 4 sem. hrs.
- MATH 230 Linear Algebra 3 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements in addition to requirements for the institution to which transfer is intended.
Agricultural Business Management

REQUIRED GENERAL EDUCATION COURSES

- Communication** 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Mathematics*** 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- AGRI 112 Basic Soils 4 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

REQUIRED PROGRAM COURSES

- AGBUS 111 Economics of Agriculture 3 sem. hrs.
- AGBUS 112 Agricultural Sales 2 sem. hrs.
- AGBUS 115 Computer Technology in Agriculture 3 sem. hrs.
- AGBUS 200 Occupational Internship and Seminar I 5 sem. hrs.
- AGBUS 211 Agriculture Business and Financial Management 3 sem. hrs.
- AGBUS 212 Marketing Agricultural Products 3 sem. hrs.
- AGBUS 214 Occupational Internship and Seminar II 5 sem. hrs.
- AGMEC 117 Principles of Agricultural Mechanics 3 sem. hrs.
- AGRI 111 Pork Production 3 sem. hrs.
- AGRI 113 Principles of Soil Fertility 3 sem. hrs.
- AGRI 114 Ruminant Animal Production 3 sem. hrs.
- AGRI 118 Harvesting, Drying, and Storing Grain 2 sem. hrs.
- AGRI 201 Crop Production 4 sem. hrs.
- AGRI 203 Integrated Pest Management 4 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).

** COMM 110 or 3 additional hours in composition such as ENGL 111, ENGL 116 or ENGL 125.

*** See specific mathematics requirements for Associate in Applied Science Degree (page 8).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Agricultural Business Management

REQUIRED GENERAL EDUCATION COURSES
- Communication**
- Humanities*
- Mathematics***
- Social Science*
- Social Science*
- AGRI 112 Basic Soils
- ENGL 110 Composition I

REQUIRED PROGRAM COURSES
- AGBUS 111 Economics of Agriculture
- AGBUS 112 Agricultural Sales
- AGBUS 115 Computer Technology in Agriculture
- AGBUS 200 Occupational Internship and Seminar I
- AGBUS 214 Occupational Internship and Seminar II
- AGMEC 117 Principles of Agricultural Mechanics
- AGRI 113 Principles of Soil Fertility
- AGRI 201 Crop Production
- AGRI 203 Integrated Pest Management

ELECTIVE COURSES
- Approved Electives****
- Electives

* See specific requirements for Associate in Applied Science Degree (page 8).
** COMM 110 or 3 additional hours in composition courses numbered 111 or above, such as ENGL 111, ENGL 116 or ENGL 125.
*** See specific mathematics requirements for Associate in Applied Science Degree (page 8).
**** Select electives in consultation with academic advisor. Select 14 hours from the following: AGBUS 211, 212, 255; AGRI 111, 114, 118, 133, 134, 233, 234; GIS 102, 104, 106, 108.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 68

Program Information: prepares students for the production and management of livestock
- Graduates may pursue a career on their own animal production farm or become a herds-person/manager at a livestock production unit
- Student will complete two internships on a farm and/or in an agricultural business during their sophomore year to gain additional practical experience

Recommended Course Sequence:
First Semester: ENGL 110; AGBUS 111; Mathematics; Social Science; Elective
Second Semester: AGRI 111; AGRI 113; AGMEC 117; AGBUS 115; Communication
Summer: AGRI 201; AGRI 203
Third Semester: AGBUS 211; AGBUS 200; Social Science; Humanities; Approved Electives
Fourth Semester: AGRI 114; AGBUS 214; Electives

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5171

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science
Total Credit Hours: 68

Program Information: prepares students for the production and management of field crops. Graduates may pursue a career on a farm specializing in crop production or as an agronomist for seed, fertilizer, or crop research businesses. Students will complete two internships on a farm and/or in an agricultural business during their sophomore year to gain additional practical experience.

Recommended Course Sequence:
First Semester: ENGL 110; AGBUS 111; AGRI 112; Mathematics; Social Science
Second Semester: AGR 113; AGMEC 117; AGBUS 115; Social Science; Communication; Elective
Summer: AGRI 201; AGRI 203
Third Semester: AGBUS 211; AGBUS 200; Humanities; Approved Electives
Fourth Semester: AGBUS 214; Electives

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5171

Agricultural Business Management CROP SYSTEMS MANAGEMENT

REQUIRED GENERAL EDUCATION COURSES
- Communication** 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Mathematics*** 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- AGRI 112 Basic Soils 4 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

REQUIRED PROGRAM COURSES
- AGBUS 111 Economics of Agriculture 3 sem. hrs.
- AGBUS 115 Computer Technology in Agriculture 3 sem. hrs.
- AGBUS 200 Occupational Internship and Seminar I 5 sem. hrs.
- AGBUS 211 Agriculture Business and Financial Management 3 sem. hrs.
- AGBUS 214 Occupational Internship and Seminar II 5 sem. hrs.
- AGMEC 117 Principles of Agricultural Mechanics 3 sem. hrs.
- AGRI 113 Principles of Soil Fertility 3 sem. hrs.
- AGRI 201 Crop Production 4 sem. hrs.
- AGRI 203 Integrated Pest Management 4 sem. hrs.

ELECTIVE COURSES
- Approved Electives**** 7 sem. hrs.
- Electives 6 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** COMM 110 or 3 additional hours in composition courses numbered 111 or above, such as ENGL 111; ENGL 116 or ENGL 125.
*** See specific mathematics requirements for Associate in Applied Science Degree (page 8)
**** Select electives in consultation with academic advisor. Select 13 hours from the following: AGBUS 112, 212, 255; AGRI 111, 114, 118, 133, 134, 233, 234; GIS 102, 104, 106, 108.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 68

Program Information: prepares students to become productive employees of fertilizer and chemical businesses as custom applicators, crop scouts, GPS (global positioning system) machine operation, GIS (global information systems) and agronomy consultants. Students will complete two internships in a fertilizer/chemical business during their sophomore year to gain additional practical experience.

Recommended Course Sequence:
First Semester: ENGL 110; AGBUS 111; AGRI 112; Mathematics; Social Science
Second Semester: AGRI 113; AGMEC 117; AGBUS 115; Social Science; Communication
Summer: AGRI 201; AGRI 203
Third Semester: AGBUS 211; AGBUS 200; Approved Electives; Humanities
Fourth Semester: AGBUS 214; Electives

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5171

Agricultural Business Management FERTILIZER & CHEMICAL OPERATIONS

REQUIRED GENERAL EDUCATION COURSES
- Communication** 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Mathematics*** 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- AGRI 112 Basic Soils 4 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

REQUIRED PROGRAM COURSES
- AGBUS 111 Economics of Agriculture 3 sem. hrs.
- AGBUS 115 Computer Technology in Agriculture 3 sem. hrs.
- AGBUS 200 Occupational Internship and Seminar I 5 sem. hrs.
- AGBUS 211 Agriculture Business and Financial Management 3 sem. hrs.
- AGBUS 214 Occupational Internship and Seminar II 5 sem. hrs.
- AGMEC 117 Principles of Agricultural Mechanics 3 sem. hrs.
- AGRI 113 Principles of Soil Fertility 3 sem. hrs.
- AGRI 201 Crop Production 4 sem. hrs.
- AGRI 203 Integrated Pest Management 4 sem. hrs.

ELECTIVE COURSES
- Approved Electives**** 7 sem. hrs.
- Electives 6 sem. hrs.

** COMM 110 or 3 additional hours in composition courses numbered 111 or above, such as ENGL 111; ENGL 116 or ENGL 125.

*** See specific mathematics requirements for Associate in Applied Science Degree (page 8).

**** Select electives in consultation with academic advisor. Select 13 hours from the following: AGBUS 112, 212, 255; AGRI 111, 114, 118, 133, 134, 233, 234; GIS 102, 104, 106, 108.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
**CERTIFICATE PROGRAM**

**Total Credit Hours:** 25

**Program Information:** prepares students for careers in agricultural businesses that integrate technical geospatial abilities with agricultural knowledge. The intent of precision agriculture is to match agricultural inputs and practices to localized conditions within a field (site-specific management) and to improve the accuracy of their application. Recipients of this certificate could be employed by businesses for purposes of crop scouting, soil testing and nutrient management, crop production analysis, and fertilizer and chemical application.

**Recommended Course Sequence:**

- **First Semester:** AGRI 112; GIS 102; GIS 106; AGBUS 115
- **Second Semester:** AGRI 113; GIS 104
- **Summer:** AGRI 201; AGRI 203

**For Program Information Contact:** Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5171

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**Agricultural Business Management**

**PRECISION AGRICULTURE**

**REQUIRED COURSES**

- AGBUS 115 Computer Technology in Agriculture 3 sem. hrs.
- AGRI 112 Basic Soils 4 sem. hrs.
- AGRI 113 Principles of Soil Fertility 3 sem. hrs.
- AGRI 201 Crop Production 4 sem. hrs.
- AGRI 203 Integrated Pest Management 4 sem. hrs.
- GIS 102 Introduction to Geographic Information Systems 3 sem. hrs.
- GIS 104 Applied Geographic Information Systems 3 sem. hrs.
- GIS 106 Global Positioning Systems 1 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 27

Program Information: prepares students for employment or enhancement of their skills for positions in agricultural sales, animal systems, crop systems, and fertilizer/chemical business operation designed to offer students a working knowledge of principles, techniques, and skills required for employment in the various segments of the Agricultural Industry.

Recommended Course Sequence:
First Semester: AGRI 112; Approved Mathematics or Communications; Approved Electives
Second Semester: AGRI 113; Approved Electives
Summer: AGRI 201; AGRI 203

Other Information: students are encouraged to select electives that will provide additional expertise in business, marketing and sales, crop production, or livestock production.

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5171

Agricultural Production
(FORMERLY: AGRICULTURAL BUSINESS MANAGEMENT CERTIFICATE)

REQUIRED COURSES
- Mathematics or Communications Elective** 3 sem. hrs.
- AGRI 112 Basic Soils 4 sem. hrs.
- AGRI 113 Principles of Soil Fertility 3 sem. hrs.
- AGRI 201 Crop Production 4 sem. hrs.
- AGRI 203 Integrated Pest Management 4 sem. hrs.

ELECTIVE COURSES
- Approved Electives* 9 sem. hrs.

* Suggested electives: AGBUS 110 or 111; AGBUS 112, 115, 211, 212; AGRI 110, 111, 114; GIS 102, 104, 106.

** AGBUS 118 or MAT 106 (or placement testing into higher MATH classes), COMM 110, ENGL 110, 116.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

Program Information: designed for students planning to transfer to a four-year institution pursuing a Bachelor of Science degree in Agriculture. A 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 ICC.

Recommended Course Sequence:
First Semester: ENGL 110; Life Science; AGRI 110; ECON 110; Mathematics
Second Semester: ENGL 111; Physical Science; AGBUS 110; AGMEC 110; Mathematics
Third Semester: AGRI 204; Social Science; COMM 110; Humanities; Fine Arts
Fourth Semester: AGRI 200; AGBUS 115; Humanities/Fine Arts; Social Science

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.

High School Recommendations: 3-4 years of mathematics; 2-3 years of science; 4 years of English; 2-4 years of agriculture (where offered)

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5171

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

Agriculture

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Mathematics* 3-4 sem. hrs.
- Mathematics* 4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.

REQUIRED PROGRAM COURSES

- AGBUS 110 Introductory Economics of Food, Fiber and Natural Resources 3 sem. hrs.
- AGBUS 115 Computer Technology in Agriculture 3 sem. hrs.
- AGMEC 110 Introductory Agricultural Mechanization 3 sem. hrs.
- AGRI 200 Introductory Soil Science 4 sem. hrs.
- AGRI 204 Introductory Crop Science 4 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

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 64 credit hours be completed before transfer.
Architectural Construction Technology

REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 201 Technical Communications 3 sem. hrs.
- MATH 130 Technical Algebra and Trigonometry 5 sem. hrs.
- PHYS 112 Technical Physics I 4 sem. hrs.

REQUIRED PROGRAM COURSES

- ARCH 131 Architectural Construction I 4 sem. hrs.
- ARCH 204 Architectural CADD I 3 sem. hrs.
- ARCTK 111 Architectural Drafting 3 sem. hrs.
- ARCTK 112 Structural Drafting 3 sem. hrs.
- ARCTK 113 Elementary Surveying 2 sem. hrs.
- ARCTK 125 Soils and Foundation Materials 3 sem. hrs.
- ARCTK 201 Architectural Drafting 4 sem. hrs.
- ARCTK 203 Mechanics of Materials 3 sem. hrs.
- ARCTK 210 Internship 3 sem. hrs.
- ARCTK 225 Site Development 2 sem. hrs.

ELECTIVE COURSES

- Approved Electives** 4-6 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
CERTIFICATE PROGRAM

Total Credit Hours: 35

Program Information: this program of study is intended to prepare the student to enter employment as a trainee in the area of civil engineering, architecture, or construction with basic skills and knowledge of the profession. The program is designed to give the student a diversified background in which a number of options for employment positions can be gained. Successful completion of this certificate program can lead to an associate degree in Architectural Construction Technology.

Recommended Course Sequence:
First Semester: ARCTK 111; ARCTK 113; ARCTK 116; MATH 130; ENGL 110
Second Semester: ARCH 131; ARCTK 112; ARCTK 125; ARCH 204; ENGL 201
Summer: ARCTK 210

Admission to the Program: suggested high school courses should include three years of high school math, one laboratory science course and one year of architectural drafting. Students must complete basic skills placement testing before admission into this program.

For Program Information Contact:
Arts and Communication Department, Room 124A, (309) 694-5113, or Dirksen Hall, (309) 694-5734

Architectural Drafting

REQUIRED COURSES

- ARCH 131 Architectural Construction I 4 sem. hrs.
- ARCH 204 Architectural CADD I 3 sem. hrs.
- ARCTK 111 Architectural Drafting 3 sem. hrs.
- ARCTK 112 Structural Drafting 3 sem. hrs.
- ARCTK 113 Elementary Surveying 2 sem. hrs.
- ARCTK 116 History Of Architecture and Construction 3 sem. hrs.
- ARCTK 125 Soils and Foundation Materials 3 sem. hrs.
- ARCTK 210 Internship 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 201 Technical Communications 3 sem. hrs.
- MATH 130 Technical Algebra and Trigonometry 5 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: 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 enter as juniors

Recommended Course Sequence:

First Semester: ARCH 110; ENGL 110; Life Science; Fine Arts; Social Science
Second Semester: ARCH 131; ENGL 111; PHYS 120; Humanities; COMM 110
Third Semester: ARCH 132; ARCH 201; MATH 222; HIST 117 or HIST 118; Humanities/Fine Arts
Fourth Semester: ARCH 203; ARCH 202; HIST 111 or HIST 112; ARCH 137; MATH 223

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 course and one year of architectural drafting students must complete basic skills placement testing before admission into this program

For Program Information Contact:
Arts and Communication Department, Room 124A, (309) 694-5113, or Dirksen Hall, (309) 694-5734

Architecture

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- HIST 111 Early World Civilizations 4 sem. hrs.
  or HIST 112 Modern World Civilizations
- HIST 117 Early Western Civilization 3 sem. hrs.
  or HIST 118 Modern Western Civilization
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.
- MATH 223 Calculus and Analytic Geometry II** 5 sem. hrs.
- PHYS 120 General Physics 5 sem. hrs.

REQUIRED PROGRAM COURSES

- ARCH 110 Architectural Orientation 3 sem. hrs.
- ARCH 131 Architectural Construction I 4 sem. hrs.
- ARCH 132 Architectural Construction II 4 sem. hrs.
- ARCH 137 Fundamentals of Architectural Derawing 3 sem. hrs.
- ARCH 201 Basic Design Studio I 3 sem. hrs.
- ARCH 202 Basic Design Studio II 3 sem. hrs.
- ARCH 203 Introduction to the History of Architecture 3 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
** MATH 223 is required for students entering University of Illinois Urbana-Champaign if pursuing Masters of Architecture Structures Options – See advisor

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

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 64 credit hours be completed before transfer.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: course 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. 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.

Recommended Course Sequence:
First Semester: ART 111; ART 120; ART 150; ENGL 110; Life Science
Second Semester: ART 112; ART 222; ART 151; ENGL 111; Physical Science
Third Semester: ART 121; ART 200; ART Elective; Social Science; Social Science
Fourth Semester: Art Electives; COMM 110; Social Science; Humanities; Mathematics

For Program Information Contact:
Arts and Communication Department, Room 124A, (309) 694-5113

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

Art

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- ART 150 Art History I 3 sem. hrs.
- ART 151 Art History II 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.

REQUIRED PROGRAM COURSES
- ART 111 2D Design 3 sem. hrs.
- ART 112 3D Design 3 sem. hrs.
- ART 120 Drawing I 3 sem. hrs.
- ART 121 Figure Drawing I 3 sem. hrs.
- ART 200 Painting I 3 sem. hrs.
- ART 222 Drawing II 3 sem. hrs.

ELECTIVE COURSES
- Art Electives** 6 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
** Art Electives: ART 140, 201, 204, 206, 210, and 221.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

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 64 credit hours be completed before transfer.
Automotive Technology

REQUIRED GENERAL EDUCATION COURSES
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Communication: Process and Practice 3 sem. hrs.
- Business Ethics 3 sem. hrs.
- Composition I 3 sem. hrs.
- Technical Communications 3 sem. hrs.
- Elementary Algebra 5 sem. hrs.

REQUIRED PROGRAM COURSES
- Internal Combustion Engines 3 sem. hrs.
- Introduction to Automotive Technology 3 sem. hrs.
- Fuel and Ignitions Systems for Gasoline Engines 4 sem. hrs.
- Electrical Accessory Circuits 3 sem. hrs.
- Manual Transmission and Drive Axles 3 sem. hrs.
- Automotive Suspension, Steering and Alignment 3 sem. hrs.
- Automotive Air Conditioning Systems 3 sem. hrs.
- Automotive Brake Systems 3 sem. hrs.
- Automatic Transmissions 3 sem. hrs.
- Shop Practices 4 sem. hrs.
- Emissions and Driveability 3 sem. hrs.
- Automotive Internship 4 sem. hrs.
- Motor Vehicle Electrical Systems 3 sem. hrs.
- Engine Machining and Rebuilding 4 sem. hrs.
- Engine Performance and Testing 3 sem. hrs.
- Motor Vehicle Electronics 3 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).

NOTE

Students must provide their own tools for use throughout the course of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Banking and Finance

**REQUIRED GENERAL EDUCATION COURSES**

- COMM 110  Communication: Process and Practice  3 sem. hrs.
- ENGL 110 or ENGL 125  Composition I or Business Communications 3 sem. hrs.

**REQUIRED PROGRAM COURSES**

- ACCTG 105 or ACCTG 120  Bookkeeping/Accounting I or Financial Accounting 4 sem. hrs.
- BANK 110  Principles of Bank Operations 3 sem. hrs.
- BANK 120  Money and Banking 3 sem. hrs.
- BUS 120  Business Mathematics 3 sem. hrs.
- BUS 121  Principles of Customer Service 3 sem. hrs.
- BUS 240  Personal Finance 3 sem. hrs.
- MKTG 201  Sales 3 sem. hrs.

**ELECTIVE COURSES**

- Approved Electives* 6 sem. hrs.

* Approved electives: BANK 125; BUS 200, 220, 260; CMGEN 120 or CMPSC 120; MGMT 205.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

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. There is probably no more important work bearing upon the future of mankind than the work done by the biologist.

Recommended Course Sequence:
First Semester: BIOL 160; CHEM 130; MATH 165; ENGL 110
Second Semester: BIOL 161; CHEM 132; MATH 211; ENGL 111; Social Science
Third Semester: CHEM 220; PHYS 120 or Biology Elective; COMM 110; Humanities; Social Science
Fourth Semester: CHEM 230; PHYS 121 or Biology Elective; Social Science; Humanities/Fine Arts; Fine Arts

For Program Information Contact: Math, Science, and Engineering Department, Room 320B, (309) 694-5365

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

Biology

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- BIOL 160 Bioprinciples I 4 sem. hrs.
- CHEM 130 General Chemistry 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 165 Precalculus 5 sem. hrs.
- MATH 211 Statistical Analysis 4 sem. hrs.

REQUIRED PROGRAM COURSES

- BIOL 161 Bioprinciples II 4 sem. hrs.
- CHEM 132 General Chemistry 4 sem. hrs.
- CHEM 220 Organic Chemistry 5 sem. hrs.
- PHYS 120 General Physics 4-5 sem. hrs.
- or Biology Elective
- PHYS 121 General Physics 4-5 sem. hrs.
- or Biology Elective

* See specific requirements for Associate in Science Degree (page 6).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

Program Information: 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 General Electric, Caterpillar Inc., Proctor and Gamble and IBM. Illinois Central College has special articulation agreements with many four-year institutions insuring transfer of coursework. 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.

Recommended Course Sequence:
First Semester: ENGL 110; ACCTG 120; MATH 115; BUS 110 or BUS 111; Humanities
Second Semester: ENGL 111; ACCTG 121; MATH 135; Social Science; Fine Arts
Third Semester: ECON 110; BUS 215; Humanities/Fine Arts; Physical Science
Fourth Semester: ECON 111; COMM 110; BUS 203; Life Science

Recommended High School Courses: business, Law, accounting, bookkeeping, general business, 4 years mathematics.

For Program Information Contact: Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Business Administration

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3-4 sem. hrs.
- Life Science* 4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ECON 111 Principles of Microeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 115 College Algebra** 3 sem. hrs.
- MATH 135 Calculus for Business and Social Sciences*** 4 sem. hrs.

REQUIRED PROGRAM COURSES

- ACCTG 120 Financial Accounting 4 sem. hrs.
- ACCTG 121 Managerial Accounting 4 sem. hrs.
- BUS 110 Introduction to Business 3 sem. hrs.
- BUS 203 Business Statistics 4 sem. hrs.
- BUS 215 Legal Environment of Business 3 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

** The appropriate mathematics sequence is contingent on the individual’s mathematics background and placement test.

*** When a student tests into MATH 135, 3 hours of the Mathematics requirement can be waived with the completion of MATH 135 and BUS 203 with a grade of “C” or better. Total credit hours for degree completion remains at a minimum of 60 credit hours.

NOTE

This degree program is offered online.
Please contact the Virtual Campus Office for more information, (309) 694-8888 or www.icc.edu/VirtualCampus.

NOTE

Transfer requirements at four-year colleges vary widely making meeting with an advisor imperative.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CAREER PROGRAM

Degree: Associate in Applied Science
Total Credit Hours: 73-76

Program Information: designed to prepare entry-level service technicians for Caterpillar dealerships throughout the world. During this full-time two year program, the student will develop the skills needed to be productive with little on-the-job training after graduation. Each semester will consist of eight weeks of classroom and eight weeks of required employment. Candidate applications will be screened by Caterpillar dealerships for program selection; each enrollee will be sponsored by a Caterpillar dealer. Applicants not selected for sponsorship into the Caterpillar Dealer Service Technology program are encouraged to enroll in the Diesel Powered Equipment Technology program or complete the general education requirement for the Associate in Applied Science degree and reapply the following academic year.

Recommended Course Sequence:
First Semester: CATTK 110; CATTK 111; WLDTR 120; CATTK 150; Approved Mathematics
Second Semester: CATTK 112; CATTK 113; CATTK 114; ENGL 110; CATTK 151
Summer: CATTK 115; CATTK 116; CATTK 117
Third Semester: CATTK 200; CATTK 201; CATTK 250; COMM 110; ENGL 201; Social Science
Fourth Semester: CATTK 202; CATTK 203; CATTK 204; CATTK 251; Social Science; CATTK 255

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 the use throughout the course of study. To remain in and graduate from the program students must maintain a 3.0 cumulative grade point average each semester.

For Program Information Contact: Agricultural and Industrial Technologies Department, Caterpillar Dealer Service Technology Building, Room 101, (309) 694-5716

Caterpillar Dealer Service Technology

REQUIRED GENERAL EDUCATION COURSES
- Approved Mathematics** 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 201 Technical Communications 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CATTK 110 Caterpillar Engine Fundamentals 4 sem. hrs.
- CATTK 111 Introduction to Caterpillar Service Industry 2 sem. hrs.
- CATTK 112 Fundamentals of Hydraulics 3 sem. hrs.
- CATTK 113 Caterpillar Engine Fuel Systems 3 sem. hrs.
- CATTK 114 Fundamentals of Electrical Systems 3 sem. hrs.
- CATTK 115 Air Conditioning 2 sem. hrs.
- CATTK 116 Fundamentals of Transmission and Torque Converters 3 sem. hrs.
- CATTK 150 Internship I 4 sem. hrs.
- CATTK 151 Internship II 4 sem. hrs.
- CATTK 200 Undercarriage/Final Drives 3 sem. hrs.
- CATTK 201 Machine Electronic Systems 3 sem. hrs.
- CATTK 202 Caterpillar Engine Performance 2 sem. hrs.
- CATTK 203 Diagnostic Testing 1 sem. hr.
- CATTK 204 Machine Specific Systems 4 sem. hrs.
- CATTK 250 Internship III 4 sem. hrs.
- CATTK 251 Internship IV 4 sem. hrs.
- WLDTR 120 Welding 2 sem. hrs.

ELECTIVE COURSES
- CATTK 255 Independent study*** 1-5 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** Approved Mathematics; AGBUS 118, BUS 120, MATH 110 or higher.
*** Optional elective credit course.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
## Chemistry

### REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- CHEM 130 General Chemistry 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.
- MATH 223 Calculus and Analytic Geometry II 4 sem. hrs.

### REQUIRED PROGRAM COURSES

- CHEM 132 General Chemistry 4 sem. hrs.
- CHEM 220 Organic Chemistry 5 sem. hrs.
- MATH 224 Calculus and Analytic Geometry III 4 sem. hrs.
- PHYS 211 Engineering Physics: Mechanics 4 sem. hrs.
- PHYS 212 Engineering Physics: Electricity & Magnetism 4 sem. hrs.
- PHYS 213 Engineering Physics: Thermodynamics 2 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 65-67

Program Information: prepares graduates to work in early childhood settings, including elementary schools as teaching assistants. Students who complete this degree will be teacher and director qualified in accordance with the Department of Children and Family Services standards.

Recommended Course Sequence:
First Semester: ENGL 110; FCS 111; SOC 110; CHILD 110; CHILD 120
Second Semester: COMM 110; CHILD 140; PSY 110; CHILD 130; CHILD 132; Laboratory Science
Third Semester: CHILD 230; CHILD 240; Elective; Mathematics; CHILD 200
Fourth Semester: CHILD 231; CHILD 241; Elective; Humanities

To Remain In And Graduate From Program: Students must attain a “C” grade or better in each program course.

For Program Information Contact: Social Science Department, Room 220D, (309) 694-5331

Child Development

REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- Laboratory Science* 4 sem. hrs.
- Mathematics* 3-5 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES

- CHILD 110 Introduction to Child Development 3 sem. hrs.
- CHILD 120 Human Growth and Development 3 sem. hrs.
- CHILD 130 Introduction to Creative Activities 3 sem. hrs.
- CHILD 132 Infant-Toddler Development 3 sem. hrs.
- CHILD 140 Child, Family and Community 3 sem. hrs.
- CHILD 200 Early Childhood Special Education 3 sem. hrs.
- CHILD 230 Program Planning 3 sem. hrs.
- CHILD 231 Literature for Children 3 sem. hrs.
- CHILD 240 Child Development Experiences 4 sem. hrs.
- CHILD 241 Child Development Experiences 6 sem. hrs.
- FCS 111 Early Childhood Nutrition Education 3 sem. hrs.

ELECTIVE COURSES

Electives** 6 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** All electives must be at the 110 level or above.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 31

Program Information: intended to provide students with the advanced skills needed to work with children in nursery schools, child care centers, and as assistants in public school classrooms. The program emphasizes opportunities for healthy social, physical, emotional, and intellectual growth of the child from birth through age eight. Student guides and supervises children in developmentally appropriate activities. Most classes are taught on campus with lectures, discussions, and student presentations. Observation opportunities and practical experience are provided in area child care centers as well as in the Illinois Central College Child Center. Some hours in the program transfer to senior institutions.

Recommended Course Sequence:
First Semester: CHILD 120; CHILD 130; CHILD 230
Summer Semester: CHILD 110; CHILD 240
Third Semester: CHILD 132; CHILD 231; CHILD 241; CHILD 140

To Remain In And Graduate From Program:
Students must attain a “C” grade or better in each CHILD course.

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5331

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Child Development ADVANCED

REQUIRED COURSES

- CHILD 110 Introduction to Child Development 3 sem. hrs.
- CHILD 120 Human Growth and Development 3 sem. hrs.
- CHILD 130 Introduction to Creative Activities 3 sem. hrs.
- CHILD 132 Infant-Toddler Development 3 sem. hrs.
- CHILD 140 Child, Family and Community 3 sem. hrs.
- CHILD 230 Program Planning 3 sem. hrs.
- CHILD 231 Literature for Children 3 sem. hrs.
- CHILD 240 Child Development Experiences 4 sem. hrs.
- CHILD 241 Child Development Experiences 6 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 12

Program Information: intended to provide students with the basic skills needed to work with children in nursery schools and child care centers. The program emphasizes opportunities for healthy social, physical, emotional, and intellectual growth of the child from birth through age eight. Student guides and supervises children in developmentally appropriate activities. Most classes are taught on campus with lectures, discussions, and student presentations. Observation opportunities are provided in area child care centers as well as in the Illinois Central College Child Center. Some hours in the program transfer to senior institutions.

Recommended Course Sequence:
First Semester: CHILD 110; CHILD 120;
Second Semester: CHILD 130; CHILD 230

To Remain In And Graduate From Program:
Students must attain a “C” grade or better in each CHILD course.

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5331

Child Development BASIC

REQUIRED COURSES

- CHILD 110 Introduction to Child Development 3 sem. hrs.
- CHILD 120 Human Growth and Development 3 sem. hrs.
- CHILD 130 Introduction to Creative Activities 3 sem. hrs.
- CHILD 230 Program Planning 3 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 16

Program Information: designed to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, safety, networking, networking terminology and protocols, network standards, LANs, WANs, OSI models, IPX addressing, Fast Ethernet standards, PPP, ISDN and Frame Relay. Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics, and communication 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 and all local, state, and federal safety, building, and environmental codes and regulations.

Program Accreditation: Cisco Certified Network Associate (CCNA) Certificate

Recommended Course Sequence:
First Semester: CMCIS 151; CMCIS 152
Second Semester: CMCIS 153; CMCIS 154

Other Information: students should apply for an “Application for Degree/Certificate” soon after completing 8 hours of the above program. The form is available in Enrollment Services, L211, or online at www.icc.edu/current. Students/graduating graduation fee should be paid in Enrollment Services, L210.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Cisco Certified Network Associate (CCNA)

REQUIRED COURSES
- CMCIS 151 Network Fundamentals 4 sem. hrs.
- CMCIS 153 LAN Switching 4 sem. hrs.
- CMCIS 154 WAN Communication 4 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 15

Program Information: designed to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to further their education and training in the computer networking field. Instruction includes, but is not limited to, safety, networking terminology and protocols, network standards, advanced routing configuration, advanced switching configuration, remote access configuration, and the training and practice required to develop internetwork troubleshooting skills. As this is a continuation of the Cisco Certified Network Associate (CCNA), students will be required to continue developing their decision-making and problem-solving techniques in applying science, mathematics, and communication concepts for solving advanced networking problems.

Program Accreditation: Cisco Certified Network Professional (CCNP) Certificate

Recommended Course Sequence:
First Semester: CMCIS 271
Second Semester: CMCIS 273; CMCIS 274; CMCIS 158 (only if CMCIS 156 or CMCIS 157 not completed)
Third Semester: CMCIS 156 or CMCIS 157

Other Information: students should apply for an “Application for Degree/Certificate” after completing 8 hours of the program. The form is available in Enrollment Services, L211, or online at www.icc.edu/currentStudents/graduating. Graduation fee should be paid in the Enrollment Services, L210.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

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Cisco Certified Network Professional (CCNP)

REQUIRED COURSES

- CMCIS 156 CCNA Voice* 3 sem. hrs.
  or CMCIS 157 CCNA Wireless* 4 sem. hrs.
  or CMCIS 158 CCNA Security* 4 sem. hrs.
- CMCIS 271 CCNP Route 4 sem. hrs.
- CMCIS 273 CCNP Switch 4 sem. hrs.
- CMCIS 274 CCNP Troubleshooting 4 sem. hrs.

* See advisor for recommendations

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Cisco Networking Specialist

REQUIRED GENERAL EDUCATION COURSES
- Communication* 3 sem. hrs.
- English* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Laboratory Science/Mathematics* 7 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.

PROGRAM COURSES
- CMCIS 147 Fundamentals of Voice and Data Cabling I 4 sem. hrs.
- CMCIS 151 Network Fundamentals 4 sem. hrs.
- CMCIS 153 LAN Switching 4 sem. hrs.
- CMCIS 154 WAN Communication 4 sem. hrs.
- CMCIS 156 CCNA Voice** 3 sem. hrs.
- or CMCIS 157 CCNA Wireless** 3 sem. hrs.
- or CMCIS 158 CCNA Security** 3 sem. hrs.
- CMCIS 271 CCNP Route 4 sem. hrs.
- CMCIS 273 CCNP Switch 4 sem. hrs.
- CMCIS 274 CCNP Troubleshooting 4 sem. hrs.
- CMNET 210 Windows Server Administration 3 sem. hrs.
- CMPSC 249 UNIX 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives*** 3-4 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** See advisor for recommendations
*** Electives may be from any of the following prefixes: CMCIS, CMPSC, CMGEN, CMNET, or CMWEB

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 25

Program Information: designed for the student who has had little previous training in typing and other business subjects but wants to develop office skills to qualify for entry-level jobs such as typist, file clerk, receptionist, and cashier. Training is available in word processing, electronic calendaring, filing, English skills, mathematics, calculators, and data entry. The certificate leads to an Office Professional degree, Customer Service certificate, and Word Processing Specialist certificate.

Recommended Course Sequence:
First Semester: BUS 120; OFOCC 151; TYPE 120; TYPE 121; OFACS 126
Second Semester: OFOCC 111; OFOCC 114; OFOCC 205; TYPE 141; ACCTG 105; WP 161

Other Information: students should apply for an “Application for Degree/Certificate” soon after completing 12-15 hours of the above program. The form is available in Enrollment Services, L211, or online at www.icc.edu/CurrentStudents/graduating. Graduation fee should be paid in Enrollment Services, L210. Contact the Business, Hospitality, and Information Systems Department for information regarding the TYPE 120 placement exam and the TYPE 121 proficiency exam.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Clerk Typist

REQUIRED GENERAL EDUCATION COURSES

- BUS 120 Business Mathematics 3 sem. hrs.

REQUIRED PROGRAM COURSES

- ACCTG 105 Bookkeeping/Accounting I 3 sem. hrs.
- OFACS 126 Outlook 1 sem. hr.
- OFOCC 111 Telephone Skills for the Office 1 sem. hr.
- OFOCC 114 Fundamentals of Transcription 3 sem. hrs.
- OFOCC 151 Professional Development for Office Employees 3 sem. hrs.
- OFOCC 205 Fundamentals of Records Control 3 sem. hrs.
- TYPE 120 Keyboard/Word Processing I 3 sem. hrs.
- TYPE 121 Keyboarding/Word Processing II 3 sem. hrs.
- TYPE 141 Typing Speed Development to 50 NWPM* 1 sem. hr.
- WP 161 Data Entry 1 sem. hr.

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

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Clinical Laboratory Technician

REQUIRED GENERAL EDUCATION COURSES
- Humanities/Fine Arts* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- BIOL 210 Microbiology** 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- MATH 115 College Algebra** 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CHEM 120 Principles of Chemistry** or CHEM 130 General Chemistry** 4 sem. hrs.
- CHEM 122 Principles of Chemistry** or CHEM 132 General Chemistry**
- CLT 110 Introduction to the Clinical Laboratory and Phlebotomy 2 sem. hrs.
- CLT 115 Introduction to General Clinical Laboratory Techniques and Urinalysis 4 sem. hrs.
- CLT 116 Fundamentals of Immunology and Immunohematology 4 sem. hrs.
- CLT 118 Fundamentals of Hematology and Hemostasis 5 sem. hrs.
- CLT 120 Applied Clinical Experience I 3 sem. hrs.
- CLT 214 Fundamentals of Clinical Microbiology I 2.5 sem. hrs.
- CLT 215 Fundamentals of Clinical Microbiology II 3 sem. hrs.
- CLT 216 Fundamentals of Clinical Chemistry I 3 sem. hrs.
- CLT 217 Applied Clinical Experience II 3 sem. hrs.
- CLT 218 Fundamentals of Clinical Chemistry II 2.5 sem. hrs.
- CLT 219 Professional Seminar 2 sem. hrs.
- CLT 220 Applied Clinical Experience III 3 sem. hrs.
- HEOCC 114 Introduction to Interdisciplinary Healthcare 1 sem. hr.

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

* See specific requirements for Associate in Applied Science Degree (page 8).
** If previously completed, these courses must be within 5 years of admission to the program.

RELATED MLT COURSES – HISTOTECHNOLOGY CERTIFICATE

The following courses may be taken to develop additional skills for the CLT graduate or for the student interested in employment in a 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 technicians certification examination given by the American Society for Clinical Pathologists (ASCP).

- MEDLB 125 Histology I: General Techniques 8 sem. hrs.
- MEDLB 126 Histology II: Special Stains 5 sem. hrs.

Prerequisite: an associate degree or higher to include the following: ENGL 110; MAT 098 or MATH 115; BIOL 140; BIOL 210; CHEM 120; CHEM 122 or equivalent courses with a GPA of 2.5 or better.

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 9

Program Information: provides the basic skills required for individuals seeking entry-level employment as a CNC machine operator in a manufacturing facility. Individuals will gain skills in blueprint reading, precision measurement, machining, and CNC machine operation. Individuals will learn to operate manual milling machines, lathes, and grinders, and produce parts within tolerances specified on blueprints. Individuals will also learn basic CNC programming, data input, and CNC machine setup and operation.

Recommended Course Sequence:
First Semester: MACTR 110; MACTR 121; NCTK 110; NCTK 212
For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5171

CNC Machine Operator

REQUIRED COURSES

- MACTR 110 Print Reading – Mechanical 3 sem. hrs.
- MACTR 121 Machine Tool Operation I 3 sem. hrs.
- NCTK 110 Introduction to Numerical Control Systems 1 sem. hr.
- NCTK 212 CNC Machine Operations I 2 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 27

Program Information: intended for individuals to learn to repair and maintain refrigeration and air conditioning systems. Previous experience in refrigeration or air conditioning is not required to enter the program. Courses include extensive laboratory experience as well as lectures. Must complete basic skills placement testing before admission into the program.

Recommended Course Sequence:
First Semester: REACT 110; REACT 111
Second Semester: REACT 112; REACT 113; ARCTK 119
Summer Semester: REACT 118
Third Semester: REACT 130
Fourth Semester: REACT 131

For Program Information Contact: Agricultural and Industrial Technologies Department, Dirksen Hall, Room 9, (309) 694-5293

Commercial Refrigeration Technician

PROGRAM COURSES
- ARCTK 119 Blueprint Reading – Construction 1 sem. hr.
- REACT 110 Refrigeration I 4 sem. hrs.
- REACT 112 Residential Air Conditioning 4 sem. hrs.
- REACT 113 Duct Design 3 sem. hrs.
- REACT 118 Electricity As It Applies to HVAC/R 4 sem. hrs.
- REACT 130 Commercial Refrigeration & Ice Machines I 4 sem. hrs.
- REACT 131 Commercial Refrigeration & Ice Machines II 4 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

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 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.

Recommended Course Sequence:
First Semester: COMM 110; COMM 120; Social Science; COMM 212; Communication Theory
Second Semester: COMM 115; COMM 113; Social Science; ENGL 111
Third Semester: COMM 120; Interpersonal Communication; Social Science; ENGL 111
Fourth Semester: COMM 204; Social Science; Humanities; Fine Arts; MATH 111

For Program Information Contact:
Arts and Communication Department, Room 124A, (309) 694-5113

Communication GENERAL COMMUNICATION

REQUIRED GENERAL EDUCATION COURSES
- Fine Arts* 3 sem. hrs.
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 111 General Education Statistics 3 sem. hrs.

PROGRAM COURSES
- COMM 113 Business and Professional Speaking 3 sem. hrs.
- COMM 115 Introduction to Public Relations 3 sem. hrs.
- COMM 120 Interpersonal Communication 3 sem. hrs.
- COMM 203 Communication: Group Dynamics 3 sem. hrs.
- COMM 204 Intercultural Communication 3 sem. hrs.
- COMM 212 Public Speaking 3 sem. hrs.
- COMM 245 Introduction to Communication Theory 3 sem. hrs.
- MCOMM 113 Introduction to Radio, TV, and Emerging Media 3 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

NOTE

ICC provides three approaches to the study of communication – the General Communication Studies Option, the Mass Communication Option and the Public Relations Option.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
Communication: Public Relations

**REQUIRED PROGRAM COURSES**

- **BUS 110**: Introduction to Business  
- **COMM 115**: Introduction to Public Relations  
- **COMM 120**: Interpersonal Communication  
- **COMM 204**: Intercultural Communication  
- **COMM 248**: Special Topics in Public Relations  
- **COMM 255**: Communication Internship II  
- **MCOMM 113**: Introduction to Radio, TV, and Emerging Media

**RECOMMENDED COURSES**

- **COMM 110**: Communication: Process and Practice  
- **ENGL 110**: Composition I  
- **ENGL 111**: Composition II  
- **HUMAN 125**: Contemporary Humanities  
- **MATH 111**: General Education Statistics  
- **PSY 110**: Introduction to Psychology  
- **SSC 111**: Americans and Their Culture  

**ELECTIVE COURSES**

- Elective 1 sem. hr.

*See specific requirements for Associate in Arts Degree (page 5).*
CERTIFICATE PROGRAM

Total Credit Hours: 31

Program Information: designed to provide individuals interested in a career in mechanical drafting with entry level skills on a computer-aided design and drafting system. Knowledge of manufacturing processes, welding processes, and dimensional metrology are included. It also will provide an opportunity for upgrading technical skills needed in the associate or baccalaureate degree programs.

Recommended Course Sequence:
First Semester: MECTK 110; MECTK 138; MECTK 121; ENGL 110; MECTK 115
Second Semester: MECTK 123; MECTK 125; WLDTR 119; GENTK 202; MATH 130

Admission to the Program: Mathematical skills equivalent to 2 years of high school algebra and one year of high school geometry are required for admission to the program. Courses are available at the College for applicants who need to upgrade their math skills.

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-8447

Computer-Aided Mechanical Drafting

REQUIded COURSES

- ENGL 110 Composition I 3 sem. hrs.
- GENTK 202 Vocational Internship* 4 sem. hrs.
- MATH 130 Technical Algebra and Trigonometry 5 sem. hrs.
- MECTK 110 Introduction to the Tools of Technology 3 sem. hrs.
- MECTK 115 Principles of Dimensional Metrology 2 sem. hrs.
- MECTK 121 Introduction to Mechanical Computer-Aided Drafting 3 sem. hrs.
- MECTK 123 Mechanical Detailing With CAD 3 sem. hrs.
- MECTK 125 3-D Modeling In CAD 3 sem. hrs.
- MECTK 138 Manufacturing Processes I 3 sem. hrs.
- WLDTR 119 Welding Processes 2 sem. hrs.

* Optional

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Computer Information Systems  BUSINESS EMPHASIS

REQUIRED GENERAL EDUCATION COURSES
- Fine Arts* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ECON 111 Principles of Microeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 115 College Algebra 3 sem. hrs.
- MATH 122 Discrete Mathematics I 3 sem. hrs.

PROGRAM COURSES
- ACCTG 120 Financial Accounting 4 sem. hrs.
- CMPSC 120 Business Computer Systems 3 sem. hrs.
- CMPSC 125 CS I: Programming in C++ 3 sem. hrs.
  or CMPSC 135 CS I: Programming in Java
- CMPSC 212 CS II: Advanced Programming in C++ 3 sem. hrs.
  or CMPSC 235 CS II: Advanced Programming in Java
- MATH 135 Calculus for Business and Social Sciences 4 sem. hrs.

ELECTIVE COURSES
- Approved Electives 3 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

NOTE
Transfer requirements at four-year colleges vary widely making meeting with an advisor imperative.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
TRANSFER PROGRAM

Degree: Associate in Science
Total Credit Hours: 60-64

Program Information: 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.

Recommended Course Sequence:
First Semester: ENGL 110; MATH 222; CMPSC 125 or 135; CHEM 130
Second Semester: ENGL 111; MATH 223; CMPSC 212 or 235; Life Science, PHYS 211
Summer Semester: Social Science
Third Semester: COMM 110; Humanities; Social Science; MATH 224
Fourth Semester: MATH 122; Humanities/Fine Arts; Social Science; Fine Arts

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Computer Information Systems TECHNICAL EMPHASIS

REQUIRED GENERAL EDUCATION COURSES
- Fine Arts* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- CHEM 130 General Chemistry 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 122 Discrete Mathematics I 3 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.

PROGRAM COURSES
- CMPSC 125 CS I: Programming in C++ 3 sem. hrs.
  or CMPSC 135 CS I: Programming in Java
- CMPSC 212 CS II: Advanced Programming in C++ 3 sem. hrs.
  or CMPSC 235 CS II: Advanced Programming in Java
- MATH 223 Calculus and Analytic Geometry II 4 sem. hrs.
- MATH 224 Calculus and Analytic Geometry III 4 sem. hrs.
- PHYS 211 Engineering Physics: Mechanics 4 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

NOTE
Transfer requirements at four-year colleges vary widely making meeting with an advisor imperative.

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 67

Program Information: designed to prepare students for computer programming positions
- students will obtain in-depth programming skills in two different programming languages, selecting one language sequence for each year of the program
- variety of computer platforms and languages are available to allow students diversification to meet their personal and career interests

Recommended Course Sequence:
First Semester: CMWEB 110; CMPSC 115; CMPSC 249; Humanities; English
Second Semester: CMGEN 123; Communication; CMPSC 125 or 135; Approved Elective; CMPSC 140
Summer Semester: Laboratory Science/Mathematics
Third Semester: CMPSC 245; CMPSC 124; Social Science; CMPSC 212 or 235; Approved Elective
Fourth Semester: Approved Elective; CMPSC 265; CMPSC 224; CMPSC 270; Social Science

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Computer Programming and Database Development

REQUIRED GENERAL EDUCATION COURSES
- Communication* 3 sem. hrs.
- English* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Laboratory Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- CMGEN 123 Computer Mathematics 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CMPSC 115 Essentials of Programming 3 sem. hrs.
- CMPSC 125 CS I: Programming in C++ 3 sem. hrs.
  or CMPSC 135 CS I: Programming in Java 3 sem. hrs.
- CMPSC 140 Introduction to Relational Databases 3 sem. hrs.
- CMPSC 212 CS II: Advanced Programming in C++ 3 sem. hrs.
  or CMPSC 235 CS II: Advanced Programming in Java 3 sem. hrs.
- CMPSC 224 Advanced Visual Basic 3 sem. hrs.
- CMPSC 245 Structured Query Language 3 sem. hrs.
- CMPSC 249 UNIX 3 sem. hrs.
- CMPSC 265 Database Administration 3 sem. hrs.
- CMPSC 270 Structured System Analysis 3 sem. hrs.
- CMWEB 110 HTML and Advanced Internet 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives** 12 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** Electives: May come from any of the computer areas; CMPSC, CMGEN, CMWEB, CMNET, or CMCIS

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 42

Program Information: designed to offer students a working knowledge of the principles, techniques, and skills to program in a computer environment. Individuals following this sequence of courses are preparing for entry-level employment or enhancement of their skills as a computer programmer.

Recommended Course Sequence:
First Semester: CMWEB 110; CMPSC 115; CMPSC 249
Second Semester: CMPSC 140; CMPSC 124; Approved Electives
Third Semester: CMPSC 245; CMPSC 125 or CMPSC 135; Approved Electives
Fourth Semester: CMPSC 265; CMPSC 270; CMPSC 224; CMPSC 212 or CMPSC 235;

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Computer Programming and Database Development

REQUIRED COURSES
- CMPSC 115 Essentials of Programming 3 sem. hrs.
- CMPSC 125 CS I: Programming in C++ 3 sem. hrs.
- CMPSC 135 CS I: Programming in Java 3 sem. hrs.
- CMPSC 140 Introduction to Relational Databases 3 sem. hrs.
- CMPSC 212 CS II: Advanced Programming in C++ 3 sem. hrs.
- CMPSC 235 CS II: Advanced Programming in Java 3 sem. hrs.
- CMPSC 224 Advanced Visual Basic 3 sem. hrs.
- CMPSC 245 Structured Query Language 3 sem. hrs.
- CMPSC 249 UNIX 3 sem. hrs.
- CMPSC 265 Database Administration 3 sem. hrs.
- CMPSC 270 Structured System Analysis 3 sem. hrs.
- CMWEB 110 HTML and Advanced Internet 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives* 9 sem. hrs.

* Electives may come from any of the computer areas; CMPSC, CMGEN, CMNET, CMCIS, or CMWEB

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science
Total Credit Hours: 68

Program Information: designed to prepare the student for employment as a crime scene technician, criminalist, evidence custodian or crime scene investigator

Program Accreditation: students completing this program will be prepared to take the certification exam given by the International Association for Identification (IAI)

Recommended Course Sequence:
First Semester: ENGL 110; BIOL 140; CRJ 110; MATH 110; FORSC 231
Second Semester: ENGL 111; PSY 110; CHEM 115; FORSC 240; MATH 111
Summer: Humanities
Third Semester: CRJ 225; FORSC 241; COMM 110; SOC 110; FORSC 123
Fourth Semester: FORSC 242; CMNET 155; CRJ/FORSC Elective; CRJ 227 or CRJ 230
Summer: FORSC 243

Admission to the Program: program has specific academic requirements and students are encouraged to seek counseling from an advisor within the program. Many courses in the degree program have prerequisites that must be met prior to enrollment

Other Information: Illinois Central College encourages graduates to seek certification through professional associations such as the International Association for Identification (www.theiai.org)

For Program Information Contact:
Public Services and Community Outreach Department, ICC North, (309) 690-6863

Crime Scene Technology

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- BIOL 140 Human Anatomy and Physiology 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 110 Concepts of Mathematics 3 sem. hrs.
- MATH 111 General Education Statistics 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CHEM 115 Foundations of Chemistry 4 sem. hrs.
- CMNET 155 Introduction to Computer Forensics 3 sem. hrs.
- CRJ 110 Introduction to the Criminal Justice System 3 sem. hrs.
- CRJ 225 Criminal Law 3 sem. hrs.
- CRJ 227 Administration of Justice 3 sem. hrs.
- CRJ 230 Court Procedures and Evidence 3 sem. hrs.
- FORSC 123 Forensic Photography 3 sem. hrs.
- FORSC 231 Crime Scene Investigation 3 sem. hrs.
- FORSC 240 Forensic Science I 4 sem. hrs.
- FORSC 241 Forensic Science II 4 sem. hrs.
- FORSC 242 Forensic Science III 4 sem. hrs.
- FORSC 243 Crime Scene/Forensic Internship** 3 sem. hrs.

ELECTIVE COURSES
- CRJ/FORSC Elective 3 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).

** Enrollment in FORSC 243 requires a separate application process and placement with a law enforcement agency. While an approved elective may be substituted for this course, enrollment is highly recommended for those seeking employment in the field. FORSC 243 or elective is taken upon completion of CRJ 130 or FORSC 231, and FORSC 240, FORSC 241, and FORSC 242 and department approval.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 38

Program Information: designed for the student who already has a bachelor's or associate degree and is seeking the specific skills to be a crime scene technician. Students completing the certificate program will be able to demonstrate that they have the skills required to process evidence at crime scenes. Students completing this program will seek employment as crime scene technicians, criminalists, evidence technicians, evidence custodians and crime scene investigators.

Recommended Course Sequence:
First Semester: BIOL 140; FORSC 231; CRJ 225
Second Semester: FORSC 240; CRJ 227 or CRJ 230; FORSC 123
Summer Semester: CHEM 115
Third Semester: FORSC 241; CRJ/FORSC Elective
Fourth Semester: FORSC 242; FORSC 243

Admission to the Program: official transcripts from other institutions must be mailed directly from the institution to Enrollment Services at Illinois Central College.

Other Information: Illinois Central College encourages graduates to seek certification through professional associations such as the International Association for Identification (www.theiai.org). Illinois Central College encourages graduates to seek certification.

For Program Information Contact:
Public Services and Community Outreach Department, ICC North, (309) 690-6863

Crime Scene Technology

REQUIRED GENERAL EDUCATION COURSES

- BIOL 140 Human Anatomy and Physiology 4 sem. hrs.
- CHEM 115 Foundations of Chemistry 4 sem. hrs.
- CRJ 225 Criminal Law 3 sem. hrs.
- CRJ 227 Administration of Justice 3 sem. hrs.
  or CRJ 230 Court Procedures and Evidence 3 sem. hrs.
- FORSC 123 Forensic Photography 3 sem. hrs.
- FORSC 231 Crime Scene Investigation 3 sem. hrs.
- FORSC 240 Forensic Science I 4 sem. hrs.
- FORSC 241 Forensic Science II 4 sem. hrs.
- FORSC 242 Forensic Science III 4 sem. hrs.
- FORSC 243 Crime Scene/Forensic Internship 3 sem. hrs.
- CRJ/FORSC Elective 3 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

Program Information: designed for students intending to prepare for a career in the criminal justice 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.

Recommended Course Sequence:
First Semester: CRJ 110; CRJ 118; SOC 110; ENGL 110; POLSC 119
Second Semester: CRJ 114; ENGL 111; PSY 110; Fine Arts; Elective
Summer Semester: COMM 110
Third Semester: POLSC 115; Humanities; Life Science; Mathematics
Fourth Semester: CRJ 119 or CRJ 225; SOC 210; Humanities/Fine Arts; Mathematics; Physical Science

Admission to the Program: students must complete basic skills placement testing before admission into this program.

For Program Information Contact:
Public Services and Community Outreach Department, ICC North, Cedar Hall, Room C53, (309) 690-6863

Criminal Justice

REQUIRED GENERAL EDUCATION COURSES
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- POLSC 115 American National Government 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- POLSC 115 American National Government 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CRJ 110 Introduction to Criminal Justice System 3 sem. hrs.
- CRJ 114 Introduction to Corrections 3 sem. hrs.
- CRJ 118 Juvenile Delinquency 3 sem. hrs.
- CRJ 119 Correctional Law 3 sem. hrs.
or CRJ 225 Criminal Law
- POLSC 119 State and Local Government 3 sem. hrs.
- SOC 219 Introduction to Criminology 3 sem. hrs.

ELECTIVE COURSES
- Elective** 3 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).
** Suggested electives: CRJ 111, 112, 121, 130, 227, 230, or 250

NOTE

This degree program is offered online.
Please contact the Virtual Campus Office for more information.
(309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog
Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 70

Program Information: provides the knowledge needed to work in a variety of food service areas; students will learn through hands-on experience; instruction will include discussion of culinary arts processes, demonstration of the cooking and baking procedure, and practice in the teaching kitchen; while being exposed to a wide range of cooking and baking methods, also learn about proper food preparation techniques, sanitation and hygiene; learn about and practice supervisory techniques, management duties and quality management in the food industry.

Recommended Course Sequence:
First Semester: CA 150; CA 151; ENGL 110; BUS 120 or Approved Mathematics; HOS 110
Second Semester: CA 153; CA 253; CA 212; CA 213; HLTH 120
Summer Semester: Social Science
Third Semester: CA 155; CA 157; CA 211, CA 215; Laboratory Science
Fourth Semester: CA 156; CA 220; CA 225; ENGL 125 or COMM 110; Humanities
Summer Semester: CA 175; Economics

For Program Information Contact: Culinary Arts Program, ICC North, Dogwood Hall; Last name A-I phone (309) 690-6890; J-O phone (309) 690-6846; P-Z phone (309) 690-6889

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 37

Program Information: the program involves three semesters of coursework that will prepare the student for an entry-level job in food service. It also will provide an overview of the skills needed to advance in the food service and restaurant business.

Program 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.

Recommended Course Sequence:
First Semester: CA 150; CA 151; CA 153; CA 155
Second Semester: CA 211; CA 213; CA 215; BUS 120 or Approved Mathematics
Third Semester: HOS 110; ENGL 110; CA 212; CA 157

Admission to the Program: students must complete basic skills placement testing prior to admission to this program.

For Program Information Contact: Culinary Arts Program, ICC North, Dogwood Hall; Last name A-I phone (309) 690-6890; J-O phone (309) 690-6846; P-Z phone (309) 690-6889

Culinary Arts Management

REQUIRED COURSES
- BUS 120 Business Mathematics
- CA 150 Professional Cooking
- CA 151 Advanced Sanitation and Safety
- CA 153 Baking
- CA 155 Meat, Poultry and Fish
- CA 157 Garde Manger
- CA 211 Foodservice Marketing
- CA 212 Foodservice Cost Control
- CA 213 Beverage Management
- CA 215 Foodservice Nutrition and Menu Planning
- ENGL 110 Composition I
- HOS 110 Introduction to Hospitality Management

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Customer Service Professional

REQUIRED COURSES

- ACCTG 120   Financial Accounting   3-4 sem. hrs.
  or ACCTG 105   Bookkeeping/Accounting I
- BUS 120   Business Mathematics   3 sem. hrs.
- BUS 121   Principles of Customer Service   3 sem. hrs.
- BUS 215   Legal Environment of Business   3 sem. hrs.
- MGMT 113   Principles of Management   3 sem. hrs.
- OFACS 132   Electronic Spreadsheets   3 sem. hrs.
  or OFACS 211   Integrated Office Projects
- OFOCC 111   Telephone Skills for the Office   1 sem. hr.
- OFOCC 151   Professional Development for Office Employees   3 sem. hrs.
- OFOCC 205   Fundamentals of Records Control   3 sem. hrs.
- OFOCC 210   Administrative Office Procedures   3 sem. hrs.
- TYPE 121   Keyboarding/Word Processing II   3 sem. hrs.

Admission to the Program: Students are expected to be computer literate, to know the Windows operating system, and be able to touch type. If not, TYPE 120 is a prerequisite for entering this program. Contact Business, Hospitality, and Information Systems Department regarding the TYPE 120 placement exam and the TYPE 121 proficiency exam.

For Program Information Contact: Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: designed for students planning to transfer to a four-year university to major in Dance after four semesters at Illinois Central College

Recommended Course Sequence:

First Semester: DANCE 110; DANCE 130; ENGL 110; THTRE 110; COMM 110; Life Science

Second Semester: DANCE 120; DANCE 131; ENGL 111; Physical Science; Social Science; Social Science

Third Semester: DANCE 140; DANCE 150; DANCE 210; MUS 150; THTRE 115; Social Science

Fourth Semester: DANCE 141; DANCE 151; DANCE 211; THTRE 113; PHYED 116; Humanities; Mathematics

For Program Information Contact:
Arts and Communication Department, Room 124A, (309) 694-5113

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

Dance

REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Communication: Process and Practice 3 sem. hrs.
- Composition I 3 sem. hrs.
- Composition II 3 sem. hrs.
- What to Listen For in Music 3 sem. hrs.
- Theatre Appreciation 3 sem. hrs.

PROGRAM COURSES

- Beginning Techniques of Classical Ballet 2 sem. hrs.
- Intermediate Techniques of Classical Ballet 2 sem. hrs.
- Jazz Dance I 1 sem. hr.
- Jazz Dance II 2 sem. hrs.
- Modern Dance I 1 sem. hr.
- Modern Dance II 2 sem. hrs.
- Tap Dance I 1 sem. hr.
- Tap Dance II 2 sem. hrs.
- Advanced Techniques of Classical Ballet 2 sem. hrs.
- Advanced Techniques of Classical Ballet 2 sem. hrs.
- Introduction to Recreation 2 sem. hrs.
- Basic Techniques for Technical Theatre 3 sem. hrs.
- Stage Make-Up 2 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CERTIFICATE PROGRAM

Total Credit Hours: 7

Program Information: designed for those students who wish to be employed in the area of data entry, utilizing numeric and alphanumeric keypads. The student who completes the program will acquire the knowledge, speed, and accuracy necessary for entry level employment.

Recommended Course Sequence:
First Semester: TYPE 121 or CMGEN 110; OFOCC 111; TYPE 140; TYPE 141; WP 161

Other information: students should apply for an “Application for Degree/Certificate” soon after completing 5 hours of the above program. The form is available in Enrollment Services, L211, or online at www.icc.edu/Current Students/Graduating. Graduation fee should be paid in Enrollment Services, L210.

Admission to the Program: students are expected to be computer literate, to know the Windows operating system, and be able to touch type. If not, TYPE 120 is a prerequisite for entering this program. Contact Business, Hospitality, and Information Systems Department regarding the TYPE 120 placement exam and the TYPE 121 proficiency exam.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Data Entry Clerk

REQUIRED COURSES

- OFOCC 111 Telephone Skills for the Office 1 sem. hr.
- TYPE 121 Keyboarding/Word Processing II 3 sem. hrs.
- CMGEN 110 Introduction to Windows
- TYPE 140 Typing Speed Development to 40 NWPM* 1 sem. hr.
- TYPE 141 Typing Speed Development to 50 NWPM* 1 sem. hr.
- WP 161 Data Entry 1 sem. hr.

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

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours Required: 81.5

Program Information: Dental hygienists work under the supervision of a dentist in dental offices and other health agencies. Duties include cleaning teeth, exposing x-rays, giving oral health care instructions to patients, maintaining patient records, etc. Extensive clinical experience provided in the ICC Dental Hygiene Clinic and selected agencies. Graduates are eligible to take the National Board Dental Hygiene exam and the regional exams for registration as a Dental Hygienist in Illinois and other states.

Program Accreditation: Commission on Dental Accreditation, a specialized accrediting body recognized by the American Dental Association.

Recommended Course Sequence:

**Summer Session 1:** BIOL 140; CHEM 115
**Fall Semester 1:** ENGL 110; BIOL 210; DHYGN 110; DHYGN 113; DHYGN 115; DHYGN 117; Humanities
**Spring Semester 1:** COMM 110; FCS 110; DHYGN 111; DHYGN 131; DHYGN 133; DHYGN 135; DHYGN 137; DHYGN 139

**Fall Semester 2:** DHYGN 222; DHYGN 230; DHYGN 243
**Fall Semester 2:** DHYGN 228; DHYGN 231; DHYGN 244;
**Fall Semester 2:** DHYGN 245; DHYGN 248

**Spring Semester 2:** SOC 110; PSY 110; DHYGN 232; DHYGN 246; DHYGN 247; DHYGN 249

Admission to the Program: High school graduate or equivalent; academic placement test scores into READ 115 and ENGL 110; 2 years high school science including chemistry, 1 year high school algebra and 1 year high school geometry with grade average of “C” or better in each; an ACT composite score of 20 or above (18 or above if tested prior to October 28, 1989) in the case of students not initially admissible to the program: (1) completion of algebra and geometry at ICC or equivalent courses taken at other colleges or placement test scores into MAT 098 and out of MAT 095; (2) completion of chemistry at ICC or equivalent course taken at another college; (3) completion of 18 or more semester hours of approved courses taken at ICC or equivalent course at other colleges including BIOL 140, BIOL 210, CHEM 115 with at least a “C” in each (courses numbered below 110 will not apply toward the 18-hour requirement); drug screen, criminal background check, physical examination, and immunizations required upon admission.

For Program Information Contact: Health Careers Department, Thomas Building, (309) 999-4600

Dental Hygienist

**REQUIRED GENERAL EDUCATION COURSES**

- BIOL 140 Human Anatomy & Physiology** 4 sem. hrs.
- BIOL 210 Microbiology** 4 sem. hrs.
- CHEM 115 Foundations of Chemistry** 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

**REQUIRED PROGRAM COURSES**

- DHYGN 110 Dental Science I*** 3 sem. hrs.
- DHYGN 111 Dental Science II*** 3 sem. hrs.
- DHYGN 113 Fundamentals of Dental Hygiene*** and Infection Control 1.5 sem. hrs.
- DHYGN 115 Introduction to Dental Hygiene*** 1 sem. hr.
- DHYGN 117 Dental Specialties*** 1 sem. hr.
- DHYGN 131 Introduction to Dental Hygiene*** Clinical Applications 2 sem. hrs.
- DHYGN 133 Preclinical Dental Hygiene*** 2 sem. hrs.
- DHYGN 135 Dental Radiology*** 3 sem. hrs.
- DHYGN 137 Medical Emergencies*** 1 sem. hr.
- DHYGN 139 Special Populations*** 1 sem. hr.
- DHYGN 210 Community Dental Health*** 3 sem. hrs.
- DHYGN 212 Dental Materials*** 2 sem. hrs.
- DHYGN 220 Nitrous Oxide Analgesia*** .5 sem. hr.
- DHYGN 222 Preventive Modalities*** 3 sem. hrs.
- DHYGN 226 Local Anesthetics for the Dental Hygienist*** 1 sem. hr.
- DHYGN 228 New Dimensions in Dental Hygiene*** 2 sem. hrs.
- DHYGN 230 Dental Hygiene Clinic*** 2 sem. hrs.
- DHYGN 231 Dental Hygiene Clinic II*** 5 sem. hrs.
- DHYGN 232 Dental Hygiene Clinic III*** 4 sem. hrs.
- DHYGN 243 Oral Pathology I*** 1 sem. hr.
- DHYGN 244 Periodontology*** 2 sem. hrs.
- DHYGN 245 Oral Pathology II*** 2 sem. hrs.
- DHYGN 246 Transitions for the Dental Hygienist*** 3 sem. hrs.
- DHYGN 247 Office Practices in Dentistry*** 1.5 sem. hrs.
- DHYGN 248 Pharmacology I for Dental Hygienists*** 1 sem. hr.
- DHYGN 249 Pharmacology II for Dental Hygienists*** 1 sem. hr.
- FCS 110 Basic Nutrition** 2 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).

** These courses must be completed within five (5) years of admission into the program.

*** Students must attain a “C” grade or better in all DHYGN preclinical and clinical courses and BIOL 140, BIOL 210, CHEM 115, FCS 110 in order to be retained in and graduate from the program.

All Required General Education courses may be taken prior to admission into program.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
**CAREER PROGRAM**

Degree: Associate in Applied Science  
Total Credit Hours: 74

**Program Information:** rigorous two-year diesel powered equipment technology program. Graduates are prepared to repair, service, adjust, maintain, and diagnose: hydraulic systems, electrical systems, electronic controls/monitoring systems, diesel engines, power trains, air conditioning, truck suspension and brakes, diesel fuel systems, and agricultural machinery. 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. Graduate’s salary is 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.

**Program Accreditation:** Associated Equipment Distributors (AED)

**Recommended Course Sequence:**
- **First Semester:** DPET 132; DPET 130; DPET 229; AGBUS 118 or MAT 098; ENGL 110
- **Second Semester:** DPET 133; DPET 234; DPET 235; DPET 240; WLDTR 120; Social Science; English
- **Summer:** DPET 230; DPET 231; DPET 232; DPET 134
- **Third Semester:** DPET 233; DPET 245; DPET 241; DPET 242; Humanities
- **Fourth Semester:** DPET 236; DPET 238; DPET 239; DPET 243; DPET 246; Social Science

**Admission to the Program:** high school graduate or equivalent. Candidate applications are screened. Acceptance is based on the caliber of competing applications and department 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 at the DPET Building or by calling (309) 694-8445 or 694-5616. Students entering the program during the fall semester only must schedule dates for complete applications are Dec. 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 coursework.

**For Program Information Contact:** Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-8445 or 694-5616

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**Diezel Powered Equipment Technology**

**REQUIRED GENERAL EDUCATION COURSES**
- English* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science 3 sem. hrs.
- AGBUS 118 Agricultural Computations 3 sem. hrs.
- or MAT 098 Intermediate Algebra 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

**REQUIRED PROGRAM COURSES**
- DPET 130 Principles of Internal Combustion Engines 4 sem. hrs.
- DPET 132 Electrical Systems of Heavy Equipment 3 sem. hrs.
- DPET 133 Engine Rebuilding, Theory and Practice 3 sem. hrs.
- DPET 134 Air-Conditioning of Heavy Equipment 2 sem. hrs.
- DPET 229 Hydraulics 2 sem. hrs.
- DPET 230 Harvesting Equipment 2 sem. hrs.
- DPET 231 Planting and Tillage Equipment 2 sem. hrs.
- DPET 232 Transmissions and Final Drive 2 sem. hrs.
- DPET 233 Occupational Internship and Seminar I 4 sem. hrs.
- DPET 234 Introduction to Diesel Fuel Systems 2 sem. hrs.
- DPET 235 Electronic Controls/monitoring Systems 3 sem. hrs.
- DPET 236 Hydraulic System Analysis and Repairs 3 sem. hrs.
- DPET 238 Occupational Internship and Seminar II 4 sem. hrs.
- DPET 239 Power Train Diagnostics 2 sem. hrs.
- DPET 240 Service Center Management 1 sem. hr.
- DPET 241 Mechanical Diesel Fuel Systems 3 sem. hrs.
- DPET 242 Electronic Fuel Systems 3 sem. hrs.
- DPET 243 Engine Performance Analysis 2 sem. hrs.
- DPET 245 Truck Suspension, Brakes and Chassis 3 sem. hrs.
- DPET 246 Industry Qualifications 2 sem. hrs.
- WLDTR 120 Welding 2 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).

**NOTE** 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. Students must provide their own tools for use throughout the course of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog. Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Transfer Program

Degree: Associate in Science

Total Credit Hours: 60-64

Program Information: Dietitians 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. Dietitians also counsel individuals and groups on nutritional practices, supervise food service personnel, and participate in dietetic research and education.

To become a Registered Dietitian (RD), a four-year degree in Dietetics/Nutrition is required. Dietetics course of study at Illinois Central College allows students to readily transfer into the junior year at a four-year institution after completion of the bachelor’s degree. Students must apply for an internship, which is approximately 6 to 12 months long. Internships are highly competitive and therefore require the student to maintain a good grade point average to make himself/herself more marketable.

Upon completion of the internship, the student is then eligible to take the Academy of Nutrition and Dietetics registration examination.

Recommended Course Sequence:

First Semester: ENGL 110; COMM 110; PSY 110; Mathematics; BIOL 140
Second Semester: ENGL 111; Humanities; BIOL 210; Mathematics; Social Science
Third Semester: CHEM 120; Social Science; Fine Arts; FCS 120
Fourth Semester: CHEM 122; Humanities/Fine Arts; Electives

Admission to the Program: Students enrolling in this curriculum should have academic placement tests scores for reading at college level. Completion of high school algebra and geometry, and/or placement test scores into MATH 110 or 115 at Illinois Central College are favorable.

High School Recommendations: 2-3 years laboratory science, including biology and chemistry; 3-4 years English; 1 year algebra and 1 year geometry with grade average of “C” or better in each.

For Program Information Contact: Agricultural and Industrial Technologies Department, Dietetics Program, East Peoria Campus, Room 226G; Last name A-L phone (309) 694-5117; Last name M-Z phone (309) 694-5496

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Dietetics

Required General Education Courses

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Mathematics** 3 sem. hrs.
- Mathematics** 3 sem. hrs.
- Social Science** 3 sem. hrs.
- Social Science** 3 sem. hrs.
- BIOL 210 Microbiology 4 sem. hrs.
- CHEM 120 Principles of Chemistry I 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

Required Program Courses

- BIOL 140 Human Anatomy and Physiology 4 sem. hrs.
- CHEM 122 Principles of Chemistry 4 sem. hrs.
- FCS 120 Principles of Nutrition 3 sem. hrs.

Elective Courses

- Approved Electives*** 8-9 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

** Mathematics and Social Sciences should be chosen with the help of an advisor to meet requirements of the transfer institution.

*** Electives should be chosen with the help of an advisor. Suggested courses: BIOL 111, BIOL 160, BUS 110, CMPSC 120, ACCTG 120.

Note: The student is encouraged to select electives that will provide additional expertise in medical terminology, math, business, economics, marketing, and accounting. Only transferrable courses numbered 110 or higher will apply towards the 60 credit hours graduation degree requirements.

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CERTIFICATE PROGRAM

Total Credit Hours: 34

Program Information: provides instruction in the techniques and skills needed to work in areas involved in desktop publishing using computers and appropriate software, the student will learn to: do page layout, scan images, digital photography, make vector graphics, preform typeset and assemble document for both conventional and digital publications delivery.

Recommended Course Sequence:
First Semester: GCOMM 110; GCOMM 112; GCOMM 130; GCOMM 250; GCOMM 245
Second Semester: GCOMM 230; GCOMM 235; GCOMM 251; GCOMM 247; GCOMM 248; GRDSN 143

For Program Information Contact: Graphic Arts/Desktop Publishing Program Coordinator, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5147

Digital Publishing
(Formerly Desktop Publishing)

REQUIRED COURSES

- GCOMM 110  Introduction to Graphic Communications 4 sem. hrs.
- GCOMM 112  Vector Graphics with Adobe Illustrator 3 sem. hrs.
- GCOMM 130  Page Layout with Adobe Indesign 3 sem. hrs.
- GCOMM 230  Advanced Page Layout and Interactive Cross Media 3 sem. hrs.
- GCOMM 235  Digital Photography and Scanning for Publishing 3 sem. hrs.
- GCOMM 245  Web Publishing with Adobe Dreamweaver 3 sem. hrs.
- GCOMM 248  Modeling and Animation with Autodesk Maya 3 sem. hrs.
- GCOMM 250  Beginning Adobe Photoshop Techniques 3 sem. hrs.
- GCOMM 251  Advanced Adobe Photoshop Techniques 3 sem. hrs.
- GRDSN 143  Computer Illustration I 3 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 64

Program Information: designed to provide a broad range of information and skills which will qualify the student to (1) sit for the Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification exam, and (2) work as a professional in the field of drug and alcohol treatment. 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. 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. 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. All DACT courses must be pre-approved.

Program Accreditation: Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification exam

Recommended Course Sequence:
First Semester: PSY 110; BIOL 140; DACT 110; DACT 111; HUMSV 110; ENGL 110
Second Semester: COMM 110; SOC 110; DACT 112; DACT 113; Mathematics
Third Semester: PSY 112; DACT 210; DACT 211; PSY 225; Humanities; PSY/SOC Elective
Fourth Semester: PSY 250; DACT 212

For Program Information Contact: Public Services and Community Outreach Department, Drug and Alcohol Counselor Training Office, ICC North, (309) 690-6898

Drug and Alcohol Counselor Training

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- BIOL 140 Human Anatomy and Physiology 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- DACT 110 Foundations I 3 sem. hrs.
- DACT 111 Addiction Counseling I 3 sem. hrs.
- DACT 112 Foundations II 3 sem. hrs.
- DACT 113 Addiction Counseling II 3 sem. hrs.
- DACT 210 Addiction Counseling III 3 sem. hrs.
- DACT 211 Counseling and Human Change 3 sem. hrs.
- DACT 212 Internship Seminar 9 sem. hrs.
- HUMSV 110 Introduction to Human Services 3 sem. hrs.
- PSY 112 Personality 3 sem. hrs.
- PSY 225 Abnormal Psychology 3 sem. hrs.
- PSY 250 Introduction to Research Methods in the Behavioral Sciences 3 sem. hrs.

ELECTIVE COURSES
- Psychology/Sociology Elective** 3 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).
** SOC 120, SOC 219, PSY 202, PSY 210

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog
CERTIFICATE PROGRAM

Total Credit Hours: 27

Program Information: designed for those individuals who may or may not be currently working in mental health or social service agencies and are in need of Illinois Alcohol and Other Drug Alcohol Counselor certification. Successful completion of this certificate will result in the student’s eligibility to sit for the Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification examination.

Program Accreditation: Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification examination.

Recommended Course Sequence:
First Semester: DACT 110; DACT 111
Second Semester: DACT 112; DACT 113
Third Semester: DACT 210; DACT 211
Fourth Semester: DACT 212

For Program Information Contact: Public Services and Community Outreach Department, Drug and Alcohol Counselor Training Office, ICC North, (309) 690-6863

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 27-28

Program Information: designed to train those individuals interested in (or further train those already employed in) e-commerce site creation for business and industry. Students will develop skills in a hands-on working environment. Current technologies (hardware and software) will be utilized as part of each class. Instruction includes lecture, demonstration, skill development and practical application. The program is designed to provide students the commonly used technology in e-commerce site creation, as well as provide an overview of the legal environment such sites exist within. Marketing will also be covered. Students will have the opportunity to develop a portfolio of work through comprehensive class projects. The portfolio will build with components from each class.

Recommended Course Sequence:
First Semester: CMWEB 110; BUS 110; ACCTG 105 or 120; MKTG 112
Second Semester: CMWEB 120; CMWEB 130; CMWEB 140; Elective; Elective

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

E-Commerce

REQUIRED COURSES
- ACCTG 105 or ACCTG 120: Bookkeeping/Accounting I, 4 sem. hrs.
- BUS 110: Introduction to Business, 3 sem. hrs.
- CMWEB 110: HTML and Advanced Internet, 3 sem. hrs.
- CMWEB 120: Building Web Pages With HTML and CSS, 3 sem. hrs.
- CMWEB 130: Web Technology and Business, 3 sem. hrs.
- CMWEB 140: Electronic Commerce, 3 sem. hrs.
- MKTG 112: Principles of Marketing, 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives*: 6 sem. hrs.

* Approved Electives: select (6) hours from the following: CMWEB 150, 160, 200, 250; BUS 215

NOTE
This certificate program is offered online.
Please contact the Virtual Campus Office for more information, (309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Economics

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3-4 sem. hrs.
- Humanities/Fine Arts* 3-4 sem. hrs.
- Humanities* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ECON 111 Principles of Microeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 4 sem. hrs.
- MATH 134 Finite Math 4 sem. hrs.
- MATH 223 Calculus and Analytic Geometry II 4 sem. hrs.
- MATH 135 Calculus for Business and Social Sciences 4 sem. hrs.

PROGRAM COURSES

- Computer Course (Transfer) 3 sem. hrs.
- ACCTG 120 Financial Accounting 4 sem. hrs.
- BUS 203 Business Statistics 4 sem. hrs.
- or MATH 211 Statistical Analysis 4 sem. hrs.

ELECTIVE COURSES

- Electives 9-11 sem. hr.

* See specific requirements for Associate in Science Degree (page 6).

NOTE

This degree program is offered online.
Please contact the Virtual Campus Office for more information,
(309) 694-8888 or www.icc.edu/VirtualCampus.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

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 this program. 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.

Recommended Course Sequence:
First Semester: ENGL 110; PSY 110; EDUC 111; Life Science (BIOL); ART 110
Second Semester: ENGL 111; PSY 202; INTST 132 or INTST 133; EDUC 212; HLTH 150
Third Semester: COMM 110; HIST 201 or HIST 202; MATH 200; Elective
Fourth Semester: MUS 148 or MUS 150; POLSC 115; MATH 201; Physical Science; Elective

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5331

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

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 this program. 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.

Recommended Course Sequence:
First Semester: ENGL 110; PSY 110; EDUC 111; POLSC 115; Fine Arts
Second Semester: ENGL 111; INTST 132 or INTST 133; EDUC 212; Life Science
Third Semester: COMM 110; HIST 201 or HIST 202; Humanities/Fine Arts; Mathematics; Physical Science
Fourth Semester: EDUC 211; SOC 110; HLT 150; PSY 200; Mathematics; Elective

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5331

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

Education SECONDARY

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Mathematics* 3-4 sem. hrs.
- Physical Science* 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- INTST 132 Latin American Humanities 3 sem. hrs.
- or INTST 133 Cultures and Civilizations of Sub-Saharan Africa
- POLSC 115 American National Government 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES

- EDUC 111 Introduction to American Education 3 sem. hrs.
- EDUC 211 The Exceptional Individual 3 sem. hrs.
- EDUC 212 Field Experience in Education 2 sem. hrs.
- HIST 201 American History to 1877 3 sem. hrs.
- or HIST 202 American History Since 1877
- HLTH 150 Foundations of Health 3 sem. hrs.
- PSY 200 Educational Psychology 3 sem. hrs.

ELECTIVE COURSES

- Elective** 1-2 sem. hr.

* See specific requirements for Associate in Science Degree (page 6).
** Suggested Elective: EDUC 230.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

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 Science Degree

Recommended Course Sequence:
First Semester: ENGL 110; PSY 110; EDUC 111; POLSC 115; ART 110
Second Semester: ENGL 111; PSY 202; EDUC 212; BIOL 140; INTST 132 or INTST 133
Third Semester: COMM 110; PSY 200; Mathematics; HLTH 150; Elective
Fourth Semester: HIST 201 or HIST 202; MUS 148 or MUS 150; Physical Science; Mathematics; Elective

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5331

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

Education SPECIAL

REQUIRED GENERAL EDUCATION COURSES

☐ Mathematics* 3 sem. hrs.
☐ Mathematics* 3 sem. hrs.
☐ Physical Science* 4 sem. hrs.
☐ ART 110 Art Appreciation 3 sem. hrs.
☐ BIOL 140 Human Anatomy and Physiology** 4 sem. hrs.
☐ COMM 110 Communication: Process and Practice 3 sem. hrs.
☐ ENGL 110 Composition I 3 sem. hrs.
☐ ENGL 111 Composition II 3 sem. hrs.
☐ HIST 201 American History to 1877 3 sem. hrs.
☐ or HIST 202 American History Since 1877 3 sem. hrs.
☐ MUS 148 Introduction to Jazz 3 sem. hrs.
☐ or MUS 150 What to Listen for in Music 3 sem. hrs.
☐ PSY 110 Introduction to Psychology 3 sem. hrs.
☐ PSY 202 Child and Adolescent Development 3 sem. hrs.

PROGRAM COURSES

☐ EDUC 111 Introduction to American Education 3 sem. hrs.
☐ EDUC 212 Field Experience in Education 2 sem. hrs.
☐ HLTH 150 Foundations of Health 3 sem. hrs.
☐ INTST 132 Latin American Humanities 3 sem. hrs.
☐ or INTST 133 Cultures and Civilizations of Sub-Saharan Africa 3 sem. hrs.
☐ POLSC 115 American National Government 3 sem. hrs.
☐ PSY 200 Educational Psychology 3 sem. hrs.

ELECTIVE COURSES

☐ Electives*** 6 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).
** May choose BIOL 205 and 206.
*** Suggested electives: CHILD 231; EDUC 230.

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
Electronics Servicing

REQUIRED COURSES

- ELCTS 131 Introduction to Basic Electricity 2 sem. hrs.
- ELCTS 133 Service Electronics – A.C. Circuits 2 sem. hrs.
- ELCTS 134 Service Electronics – Basic Solid State 2 sem. hrs.
- MAT 106 Applied Algebra, Geometry and Trigonometry 4 sem. hrs.

ELECTIVE COURSES

- Electives* 12 sem. hrs.

* Electives are to be chosen from the following: ELCTS 135; ELCTK 117, 150, 151, 201, 202, 215, 245, 246, or 250

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 69-73

Program Information: rigorous two-year program graduates are prepared to do electronic design and testing using the latest sophisticated electronic equipment employment may be found in areas including research, development, industrial process control, calibration, and the servicing of the latest electronic circuits opportunities exist throughout industry for electronics technicians graduates are limited only by their own talent and motivation upon completion of this program, salary is directly commensurate with the technician’s ability, resourcefulness, and drive many of the courses in this program are transferable to some four-year colleges and universities students wishing to pursue a four-year or other degree should discuss this with their advisor it is possible to transfer credit to this program from Caterpillar Inc. and other apprentice training programs apprentices and apprentice graduates should contact the department office for further information program assumes no prior knowledge of electricity or electronics

Recommended Course Sequence:
First Semester: ELCTS 131; ELCTS 132; ELCTS 133; ELCTK 111; MATH 130; English
Second Semester: ELCTS 134; ELCTS 135; ELCTS 136; ELCTK 112; ELCTK 150; PHYS 112
Third Semester: ELCTK 220; ELCTK 245; ELCTK 250; CMCIS 147 or CMCIS 151; MECTK 231; Communication
Fourth Semester: ELCTK 230; ELCTK 246; ELCTK 255; Social Science; Social Science; Humanities

Admission to the Program: acceptance into this curriculum is subject to department approval based upon high school records and math skills students must complete basic skills placement testing before admission into this program

High School Recommendations: 3 years mathematics, including geometry 2 years algebra

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5526

Electronics Technology

REQUIRED GENERAL EDUCATION COURSES
- Communication* 3 sem. hrs.
- English* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- MATH 130 Technical Algebra and Trigonometry 5 sem. hrs.
- PHYS 112 Technical Physics I 4 sem. hrs.

REQUIRED PROGRAM COURSES
- CMCIS 147 Fundamentals of Voice and Data Cabling I 4 sem. hrs.
- or CMCIS 151 Network Fundamentals
- ELCTK 111 Residential and Commercial Wiring 2 sem. hrs.
- ELCTK 112 Electronic CAD Applications I 2 sem. hrs.
- ELCTK 150 Industrial Electricity 4 sem. hrs.
- ELCTK 220 Transducers and Electronic Instruments 4 sem. hrs.
- ELCTK 230 Advanced Solid State Electronics 3 sem. hrs.
- ELCTK 245 Microprocessors and Microcontrollers 3 sem. hrs.
- ELCTK 246 Microcontroller Systems and Applications 3 sem. hrs.
- ELCTK 250 Electronic Communications 3 sem. hrs.
- ELCTK 255 Independent Study 1-5 sem. hrs.
- ELCTS 131 Introduction to Basic Electricity 2 sem. hrs.
- ELCTS 133 Service Electronics – A.C. Circuits 2 sem. hrs.
- ELCTS 134 Service Electronics – Basic Solid State 2 sem. hrs.
- ELCTS 135 Service Electronics – Advanced Solid State 2 sem. hrs.
- MECTK 231 Industrial Fluid Power 3 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
CERTIFICATE PROGRAM

Total Credit Hours Required: 12

Program Information: program is designed for first responders in management positions, or who aspire to management positions, who want to enhance their skills to coordinate the community’s response to natural and man made disasters. Persons who serve in this capacity are already employed in law enforcement, fire service, or emergency medical service and work with all other agencies to ensure a timely and effective response to emergency situations.

Recommended Course Sequence:
First Semester: CRJ 113; CRJ 122
Second Semester: CRJ 282; CRJ 283

Other Information: while the program is designed for first responders in management positions or who aspire to management positions, any of the courses can be taken to upgrade skills or can be used as electives in the criminal justice, law enforcement, and fire science programs at Illinois Central College. Courses in this program will generally be offered online in an 8-week format, with one course offered in each 8-week segment, making it possible for participants to complete the certificate program in two semesters.

For Program Information Contact:
Public Services and Community Outreach Department, ICC North
(309) 690-6863

Emergency Management

REQUIRED COURSES

- CRJ 113 Introduction to Homeland Security 3 sem. hrs.
- CRJ 122 Understanding Terrorism 3 sem. hrs.
- CRJ 282 Security Management 3 sem. hrs.
- CRJ 283 Emergency Management 3 sem. hrs.

NOTE

This certificate program is offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 64

Program Information: prepares the graduate for licensure as an EMT-Paramedic. Students complete didactic coursework at ICC, participate in supervised clinical experiences and participate in field clinical experiences with local emergency medical services agencies. Graduates can find employment with private and municipal ambulance services, air medical services, hospitals, private security/safety agencies, commercial and industrial settings and fire departments offering emergency medical services.

Program Accreditation: Illinois Department of Public Health

Recommended Course Sequence:
First Semester: EMT 110; EMT 111; ENGL 110; BIOL 145; Approved Electives, RNRS 150
Second Semester: EMT 120; EMT 210; SOC 110; BIOL 146; Approved Electives
Summer: EMT 215
Third Semester: EMT 220; EMT 230; EMT 231; EMT 232; EMT 233; COMM 110 or ENGL 111
Fourth Semester: EMT 115; EMT 118; PSY 110; HLTH 111; Humanities Elective; Approved Electives
Summer: EMT 240

Admission to the Program: high school graduate or equivalent with placement scores into ENGL 110 and READ 115 ACT composite score of 20 or above (18 or above if tested prior to October 28, 1989) one year of high school algebra or MAT 094 with a grade of “C” or better, or placement into MAT 098 by the math placement test a grade of “C” or better in courses taken at other colleges in the case of students not initially admissible to the program, a grade of “C” or better in 18 or more approved semester hours taken at ICC physical examination

To Remain In And Graduate From Program: “C” or better in RNRS 150, BIOL 145, BIOL 146 and all EMT/HLTH courses

High School Recommendations: 1 year biology 1 year chemistry

For Program Information Contact: Health Careers Department, Thomas Building, (309) 999-4600

Emergency Medical Services

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- BIOL 145 Principles of Human Anatomy & Physiology I 4 sem. hrs.
- BIOL 146 Principles of Human Anatomy & Physiology II 4 sem. hrs.
- COMM 110 or ENGL 111 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- RNRS 150 Principles of Safe Medication Administration 1 sem. hr.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- EMT 110 Emergency Medical Technician-Basic I 3 sem. hrs.
- EMT 111 Emergency Medical Technician-Basic II 3 sem. hrs.
- EMT 115 Trauma Life Support 1 sem. hr.
- EMT 118 Pediatric Education for Prehospital Providers (PEPP) 1 sem. hr.
- EMT 120 Emergency Medical Technician-Basic Practicum 1 sem. hr.
- EMT 210 Emergency Medical Technician-Intermediate I 6 sem. hrs.
- EMT 220 Emergency Medical Technician-Intermediate Practicum 3 sem. hrs.
- EMT 230 Emergency Medical Technician-Paramedic I 1 sem. hr.
- EMT 231 Emergency Medical Technician-Paramedic II 1 sem. hr.
- EMT 232 Emergency Medical Technician-Paramedic III 2 sem. hrs.
- EMT 233 Emergency Medical Technician-Paramedic IV 1 sem. hr.
- EMT 240 Emergency Medical Technician-Paramedic Practicum 4 sem. hrs.
- HLTH 111 Advanced Cardiac Life Support 1 sem. hr.

ELECTIVE COURSES
- Approved Electives** 9 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).

** Approved Electives: BIO 210; CHEM 115, 130; ENGL 111, 125; EMT 255; FRSTK 183, 250; HEM 110, 120, 130, 150, 230; HEOCC 112, 114, 200, 220; HLTH 121; MGMT 113, 114; PHIL 113, 114, 115; POLSC 119; PSY 220; SOC 221.

Student is eligible for licensure as an EMT-Basic after successful completion of EMT 110 and 111. The student is also eligible for licensure as an EMT-Intermediate after successful completion of EMT 110, 111, 120, 210, 215, and 220.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CERTIFICATE PROGRAM

Total Credit Hours Required: 7

Program Information: graduates of this program are prepared to function as an EMT-Basic, which is the first level of emergency medical technician training. Students complete didactic coursework on the ICC campus, participate in supervised clinical experiences at various local hospital emergency departments, and participate in field clinical experiences with local emergency medical services agencies.

Program Accreditation: Illinois Department of Public Health

Recommended Course Sequence:

First Semester: EMT 110; EMT 111
Second Semester: EMT 120; EMT 210
Summer: EMT 215
Third Semester: EMT 220

Admission to the Program: high school graduate or equivalent. ACT composite score 12 or above (tested prior to Oct. 28, 1989) or 16 or above (tested Oct. 28, 1989 or later) are recommended. Physical examination.

To Remain In And Graduate From Program: “C” or better in all EMT courses.

Other Information: Graduates of this program find employment with private and municipal ambulance services, volunteer ambulance services, hospitals, private security/safety agencies, commercial and industrial facilities, and fire departments offering emergency medical services.

High School Recommendation: 1 year biology

For Program Information Contact:
Health Careers Department, Thomas Building, (309) 999-4600

Emergency Medical Technician-Basic

REQUIRED COURSES

- EMT 110 Emergency Medical Technician-Basic I* 3 sem. hrs.
- EMT 111 Emergency Medical Technician-Basic II* 3 sem. hrs.
- EMT 120 Emergency Medical Technician-Basic Practicum* 1 sem. hr.

ENHANCED COURSES

- EMT 210 Emergency Medical Technician-Intermediate I** 6 sem. hrs.
- EMT 215 Emergency Medical Technician-Intermediate II** 3 sem. hrs.
- EMT 220 Emergency Medical Technician-Intermediate Practicum** 3 sem. hrs.

* Student must attain a “C” or higher in each EMT course in order to be retained in and graduate from the program.
** Student meeting the class requirements may enroll in these enhanced EMT courses.

Student is eligible to take the Illinois Department of Public Health-EMT Basic licensure exam, and/or the National Registry of Emergency Medical Technicians licensure exam after successful completion of EMT 110 and 111.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
## Engineering

### GENERAL EDUCATION REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110</td>
<td>Composition I</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>ENGL 111</td>
<td>Composition II</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>or COMM 110</td>
<td>Communication: Process and Practice</td>
<td></td>
</tr>
</tbody>
</table>

### REQUIRED PROGRAM COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 222</td>
<td>Calculus and Analytic Geometry I</td>
<td>5 hrs.</td>
</tr>
<tr>
<td>MATH 223</td>
<td>Calculus and Analytic Geometry II</td>
<td>4 hrs.</td>
</tr>
<tr>
<td>MATH 224</td>
<td>Calculus and Analytic Geometry III</td>
<td>4 hrs.</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>Engineering Physics: Mechanics</td>
<td>4 hrs.</td>
</tr>
<tr>
<td>PHYS 212</td>
<td>Engineering Physics: Electricity and Magnetism</td>
<td>4 hrs.</td>
</tr>
<tr>
<td>PHYS 213</td>
<td>Engineering Physics: Thermodynamics</td>
<td>2 hrs.</td>
</tr>
</tbody>
</table>

### ELECTIVE COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR Elective***</td>
<td></td>
<td>5 hrs.</td>
</tr>
<tr>
<td>ENGR, Math, or Science Elective**</td>
<td></td>
<td>4 hrs.</td>
</tr>
</tbody>
</table>

### ENHANCED COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 214</td>
<td>Engineering Physics: Modern Physics</td>
<td>2 hrs.</td>
</tr>
</tbody>
</table>

* See specific requirements for Associate in Engineering Degree (page 8).

** Engineering, mathematics, and science electives should be chosen from the following list with the help of an advisor in order to meet the entrance requirements for junior standing at the student’s chosen university: ENGR 113, 240, 241, 251, 252; MATH 230; PHYS 214; CHEM 220, 230; BIOL 160.

*** Engineering Electives: (At least six hours must be selected) ENGR 113, 240, 241, 242, 251, 252, 253.

Courses listed here are recommended for an Associate in Engineering Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
**TRANSFER PROGRAM**

**Degree:** Associate in Arts

**Total Credit Hours:** 60-64

**Program Information:** 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. 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.

**Recommended Course Sequence:**

First Semester: ENGL 110; Foreign Language I; PSY 110; Mathematics; Humanities; Life Science;  
Second Semester: ENGL 111; Foreign Language II; Physical Science; LIT 110 or 111  
Third Semester: Intermediate Foreign Language I; Social Science; COMM 110; Literature; Science  
Fourth Semester: Intermediate Foreign Language II; Social Science; Literature; Fine Arts

**Admission to the Program:** English majors should complete 4 years of high school English

**For Program Information Contact:** English and Language Studies Department, Room 314C, (309) 694-5342

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**English**

**REQUIRED GENERAL EDUCATION COURSES**

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Intermediate Foreign Language II** 4 sem. hrs.
- Life Science* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

**REQUIRED PROGRAM COURSES**

- Elementary Foreign Language I 4 sem. hrs.
- Elementary Foreign Language II 4 sem. hrs.
- Intermediate Foreign Language I 4 sem. hrs.
- Literature*** 3 sem. hrs.
- Literature*** 3 sem. hrs.
- LIT 110 Introduction to Literature or LIT 111 The Short Story and the Novel 3 sem. hrs.

**ELECTIVE COURSES**

- Elective 1 sem. hr.

* See specific requirements for Associate in Arts Degree (page 5).
** Serves as Humanities.
*** 200 level Literature

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For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.
## Environmental Science

### REQUIRED GENERAL EDUCATION COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 160</td>
<td>Bioprinclules I</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>CHEM 130</td>
<td>General Chemistry</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>COMM 110</td>
<td>Communication: Process and Practice</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>ECON 110</td>
<td>Principles of Macroeconomics</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>Composition I</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>ENGL 111</td>
<td>Composition II</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>MATH 111</td>
<td>General Education Statistics</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>MATH 165</td>
<td>Precalculus</td>
<td>5 sem. hrs.</td>
</tr>
</tbody>
</table>

### PROGRAM COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOL 161</td>
<td>Bioprinclules II</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>CHEM 132</td>
<td>General Chemistry</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>CHEM 220 or PHYS 120</td>
<td>Organic Chemistry</td>
<td>5 sem. hrs.</td>
</tr>
<tr>
<td>CHEM 230 or PHYS 121</td>
<td>Organic Chemistry</td>
<td>5 sem. hrs.</td>
</tr>
<tr>
<td>EASC 116</td>
<td>Introduction to Geology</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>EASC 118</td>
<td>Introduction to Weather and Climate</td>
<td>4 sem. hrs.</td>
</tr>
</tbody>
</table>

* See specific requirements for Associate in Science Degree (page 6).

Courses listed here are recommended for Associate in Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: [www.icc.edu/catalog](http://www.icc.edu/catalog)

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
TRANSFER PROGRAM

Degree: Associate in Science
Total Credit Hours: 60-64

Program Information: course 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. A 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.

Recommended Course Sequence:
First Semester: ENGL 110; COMM 110; PSY 110; Mathematics; Humanities
Second Semester: ENGL 111; Mathematics; SOC 110; Life Science; Fine Arts
Third Semester: Physical Science; Social Science; Humanities/Fine Arts; BUS 110; FCS 120
Fourth Semester: PSY 202; SOC 120; Electives

Admission to the Program: students must complete basic skills placement testing before admission into this program.

For Program Information Contact: Agricultural and Industrial Technologies Department, Family and Consumer Sciences Program, East Peoria Campus, Rooms 226G, last name A-L: phone (309) 694-5117, last name M-Z phone (309) 694-5496

Family and Consumer Sciences

REQUIRED GENERAL EDUCATION COURSES
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

PROGRAM COURSES
- BUS 110 Introduction to Business 3 sem. hrs.
- FCS 120 Principles of Nutrition 3 sem. hrs.
- PSY 202 Child and Adolescent Development 3 sem. hrs.
- SOC 120 Marriage and the Family 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives** 7 sem. hrs.

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

* See specific requirements for Associate in Science Degree (page 6).
** Suggested electives include BUS 111; MGMT 113; CMPSC 120; ACCTG 120; PSY 220; SOC 114. Electives should be chosen with the help of an advisor.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 69

Program Information: ■ designed for students preparing for finance positions in financial institutions and other positions in industry and government that relate to financial matters ■ positions may be with banking and savings and loan institutions or other thrift organizations or with companies in the private sector whereby the employee would be working in a position dealing with finances ■ program requirements can be completed in four semesters of full-time study, or on a part-time evening and/or daytime basis ■ program is not designed for college transfer, although some individual courses and/or the program may transfer with approval from four-year institutions ■ consult with your academic advisor on this possibility ■ program would be ideal for those who wish to upgrade their skills for possible promotion or for an increase or change in job responsibilities

Recommended Course Sequence:
First Semester: ENGL 110; BUS 115 or BANK 115; BUS 120; ACCTG 120; MGMT 113
Second Semester: BUS 116 or BANK 116; BUS 200; MKTG 201; ACCTG 121; Laboratory Science/Mathematics
Summer Semester: Social Science
Third Semester: BANK 125; BUS 220; ECON 105 or ECON 110; BUS 121; BUS 240
Fourth Semester: BANK 120; MKTG 112; ENGL 125; BUS 230; CMGEN 120 or CMPSC 120; COMM 110

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Finance

REQUIRED GENERAL EDUCATION COURSES
- Laboratory Science/Mathematics* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Business Mathematics 3 sem. hrs.
- Communication: Process and Practice 3 sem. hrs.
- Survey of Economic Principles 3 sem. hrs.
- Principles of Macroeconomics 3 sem. hrs.
- Business Communications 3 sem. hrs.
- Composition I 3 sem. hrs.

REQUIRED PROGRAM COURSES
- Financial Accounting 4 sem. hrs.
- Managerial Accounting 4 sem. hrs.
- Money and Banking 3 sem. hrs.
- Analyzing Financial Statements 3 sem. hrs.
- Business Law 3 sem. hrs.
- Law and Banking 3 sem. hrs.
- Business Law 3 sem. hrs.
- Law and Banking Applications 3 sem. hrs.
- Principles of Customer Service 3 sem. hrs.
- Human Relations in Business 3 sem. hrs.
- Introduction to Business Finance 3 sem. hrs.
- Principles of Investments 3 sem. hrs.
- Personal Finance 3 sem. hrs.
- Computer Applications 3 sem. hrs.
- Business Computer Systems 3 sem. hrs.
- Principles of Marketing 3 sem. hrs.
- Principles of Management 3 sem. hrs.
- Sales 3 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).
Fire Science Technology

REQUIRED GENERAL EDUCATION COURSES

- Humanities*  
- Laboratory Science**  
- Mathematics*  
- COMM 110 Communication: Process and Practice  
- ENGL 110 Composition I  
- PSY 110 Introduction to Psychology  
- SOC 110 An Introduction to Sociology

REQUIRED PROGRAM COURSES

- FRSTK 110 Introduction to Fire Science  
- FRSTK 114 Firefighting Tactics and Strategy  
- FRSTK 190 Legal Issues in the Fire Service  
- FRSTK 201 Internship, Fire Service or Approved Elective  
- FRSTK 227 Chemistry of Flammable Hazardous Materials or FRSTK 228 Chemistry of Explosive and Toxic Materials  
- FRSTK 230 Fire Service Hydraulics  
- FRSTK 250 Fire Service Management I

ELECTIVE COURSES

- Approved Electives  
- Approved Fire Science Electives***  
- Health Elective****

* See specific requirements for the Associate in Applied Science Degree (page 8).
** PHYSC 110 recommended.
**** HLTH 120, 125, or EMT 110, 125

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: students are offered three areas of specialty: French, German and Spanish – each offers coursework that must be taken in sequence. Completion of this course of study will enable students to go to a four-year institution and continue their major language during junior and senior years.

Recommended Course Sequence:
First Semester: Elementary Foreign Language I or Intermediate Foreign Language I; ENGL 110; Social Science; Life Science
Second Semester: Elementary Foreign Language II or Intermediate Foreign Language II; ENGL 111; Social Science; Physical Science; Fine Arts
Third Semester: Intermediate Foreign Language I or Second Foreign Language I; COMM 110; PSY 110; Social Science; Mathematics
Fourth Semester: Intermediate Foreign Language II or Second Foreign Language II; Literature; Social Science; Humanities Elective

For Program Information Contact: English and Language Studies Department, Room 314C, (309) 694-5342

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

Foreign Language

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Life Science* 4 sem. hrs.
- Literature* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

PROGRAM COURSES

- Elementary Foreign Language I 4 sem. hrs.
- Intermediate Foreign Language I 4 sem. hrs.
- Elementary Foreign Language II 4 sem. hrs.
- Intermediate Foreign Language II 4 sem. hrs.
- Intermediate Foreign Language I** 4 sem. hrs.
- Second Foreign Language I 4 sem. hrs.
- Intermediate Foreign Language II** 4 sem. hrs.
- Second Foreign Language II 4 sem. hrs.
- Social Science 6 sem. hrs.

ELECTIVE COURSES

- Elective 1 sem. hr.

* See specific requirements for Associate in Arts Degree (page 5).
** Serves as a Humanities Elective.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
TRANSFER PROGRAM

Degree: Associate in Science
Total Credit Hours: 60-64

Program Information: program is designed for the student who seeks employment in the Crime Laboratory as a Forensic Scientist. The student will have the ability to analyze body fluids, drugs, firearms, ballistics, fingerprints, toolmarks, DNA analysis, and other evidence that requires chemical, physical and biological examination.

Recommended Course Sequence:
First Semester: ENGL 110; SOC 110; Mathematics; FORSC 231; BIOL 140
Second Semester: ENGL 111; PSY 110, Mathematics; FORSC 240; Fine Arts
Third Semester: CHEM 120; POLSC 115; FORSC 241; Humanities/Fine Arts; COMM 110
Fourth Semester: Humanities; FORSC 242; Electives

For Program Information Contact:
Public Services and Community Outreach Department, ICC North, (309) 690-6863

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

Forensic Science

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Fine Arts* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Mathematics* 3-4 sem. hrs.
- BIOL 140 Human Anatomy and Physiology 4 sem. hrs.
- CHEM 120 Principles of Chemistry I 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- POLSC 115 American National Government 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

PROGRAM COURSES
- FORSC 231 Crime Scene Investigation 3 sem. hrs.
- FORSC 240 Forensic Science I 4 sem. hrs.
- FORSC 241 Forensic Science II 4 sem. hrs.
- FORSC 242 Forensic Science III 4 sem. hrs.

ELECTIVE COURSES
- Electives** 3 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).
** Suggested electives: CHEM 122; CMNET 155; CRJ 110, 121

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
### Game Design

**General Courses**
- COMM 110: Communication: Process and Practice (3 sem. hrs.)
- ENGL 110: Composition I (3 sem. hrs.)
- HIST 117 or HIST 118: Early Western Civilization or Modern Western Civilization (3 sem. hrs.)
- LIT 115 or LIT 214: Mythology or Shakespeare (3 sem. hrs.)
- MATH 115: College Algebra (3 sem. hrs.)
- MUS 150: What to Listen For in Music (3 sem. hrs.)
- PHYS 104 or PHYS 110: Pre-Technical Physics or Foundations of Physics (4 sem. hrs.)
- PSY 110: Introduction to Psychology (3 sem. hrs.)
- THTRE 110 or THTRE 111: Theatre Appreciation or Modern Drama (3 sem. hrs.)

**Required Program Courses**
- ART 112 or ART 120: 3-D Design or Basic Drawing (3 sem. hrs.)
- CMPSC 125: CS I: Programming in C++ (3 sem. hrs.)
- CMPSC 128: Introduction to Games and Their Design (3 sem. hrs.)
- CMPSC 129: Introduction to Game Programming (3 sem. hrs.)
- CMWEB 110: HTML and Advanced Internet (3 sem. hrs.)
- CMWEB 225: Flash Fundamentals and Actionscript (3 sem. hrs.)
- GCOMM 245: Web Publishing with Adobe Dreamweaver (3 sem. hrs.)
- GCOMM 248: Modeling and Animation with Autodesk Maya (3 sem. hrs.)
- GRDSN 140: Graphic Design I (3 sem. hrs.)
- GRDSN 143 or GRDSN 150: Computer Illustration I or Graphic Design II (3 sem. hrs.)
- MCOMM 217: Audio Production (3 sem. hrs.)
- MCOMM 220: Scriptwriting (3 sem. hrs.)

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 72

Program Information: A two-year automotive program designed to educate and train individuals for careers as GM automotive service technicians. This ASE certified program leads to an Associate in Applied Science degree. 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 GM 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 in a GM dealership. 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.

Program Accreditation: Automotive Service Excellence (ASE) certified program

Recommended Course Sequence:

First Semester: ASEP 112; ASEP 115; ASEP 117; ENGL 110; ASEP 150
Second Semester: ASEP 125; ASEP 129; ASEP 151; Mathematics; Social Science
Summer: ASEP 132; ASEP 133; ASEP 137; Humanities
Third Semester: ASEP 210; ASEP 215; ASEP 217; ASEP 201; ASEP 250; AGBUS 118
Fourth Semester: ASEP 221; ASEP 229; Communications; ASEP 251; Social Science

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5192 or (309) 694-5616

General Motors Automotive Service Educational Program (GM-ASEP)

REQUIRED GENERAL EDUCATION COURSES

- Communication* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- AGBUS 118 Agricultural Computations 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

REQUIRED PROGRAM COURSES

- ASEP 112 Introduction to GM-ASEP 2 sem. hrs.
- ASEP 115 Electrical Systems I 3 sem. hrs.
- ASEP 117 Automotive Suspension, Steering and Alignment 3 sem. hrs.
- ASEP 125 Electrical Systems II 3 sem. hrs.
- ASEP 129 Automotive Brake Systems 3 sem. hrs.
- ASEP 132 Automotive HVAC 3 sem. hrs.
- ASEP 133 Engine Performance I 3 sem. hrs.
- ASEP 137 Manual Drivetrains 3 sem. hrs.
- ASEP 150 Internship 4 sem. hrs.
- ASEP 151 Internship 4 sem. hrs.
- ASEP 210 Engine Performance II 2 sem. hrs.
- ASEP 215 Electrical Systems III 3 sem. hrs.
- ASEP 217 Automatic Transmissions 3 sem. hrs.
- ASEP 221 Internal Combustion Engines 4 sem. hrs.
- ASEP 229 Emissions and Driveability 3 sem. hrs.
- ASEP 250 Internship 4 sem. hrs.
- ASEP 251 Internship 4 sem. hrs.

* See specific requirements for Associate in Applied Science (page 8).

NOTE

Students must provide their own tools for use throughout the course of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Geography

**REQUIRED GENERAL EDUCATION COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine Arts*</td>
<td>3 sem. hrs.</td>
<td></td>
</tr>
<tr>
<td>Humanities*</td>
<td>3 sem. hrs.</td>
<td></td>
</tr>
<tr>
<td>Humanities/Fine Arts*</td>
<td>3 sem. hrs.</td>
<td></td>
</tr>
<tr>
<td>Life Science*</td>
<td>4 sem. hrs.</td>
<td></td>
</tr>
<tr>
<td>Mathematics*</td>
<td>4 sem. hrs.</td>
<td></td>
</tr>
<tr>
<td>Social Science**</td>
<td>3 sem. hrs.</td>
<td></td>
</tr>
<tr>
<td>COMM 110</td>
<td>Communication: Process and Practice</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>EASC 116</td>
<td>Introduction to Geology</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>ECON 110</td>
<td>Principles of Macroeconomics</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>Composition I</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>ENGL 111</td>
<td>Composition II</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>MATH 115</td>
<td>College Algebra</td>
<td>3 sem. hrs.</td>
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</tbody>
</table>

**REQUIRED PROGRAM COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EASC 118</td>
<td>Introduction to Weather and Climate</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>GEOG 112</td>
<td>Cultural Geography</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>GEOG 116</td>
<td>Geography of the Developing World</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>GEOG 118</td>
<td>Geography of the Developed World</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>GEOG 200</td>
<td>Economic Geography</td>
<td>3 sem. hrs.</td>
</tr>
</tbody>
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**ELECTIVE COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td></td>
<td>1 sem. hr.</td>
</tr>
<tr>
<td>Sociology Elective</td>
<td>3 sem. hrs.</td>
<td></td>
</tr>
<tr>
<td>Approved Electives</td>
<td>8-9 sem. hrs.</td>
<td></td>
</tr>
</tbody>
</table>

* See specific requirements for Associate in Science Degree (page 6).
** Social Sciences Electives: HIST 117, 118; INTST 130, 134; POLSC 122; SOC 213

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

Program Information: 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 curriculum. The 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.

Recommended Course Sequence:
First Semester: EASC 116; MATH 165; CHEM 130; ENGL 110
Second Semester: MATH 222; CHEM 132; ENGL 111; Social Science
Third Semester: PHYS 120; BIOL 130; Humanities; Fine Arts; Social Science
Fourth Semester: PHYS 121; COMM 110; Elective; Social Science; Humanities/Fine Arts

For Program Information Contact:
Math, Science, and Engineering Department, Room 320B, (309) 694-5365

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

Geology

REQUIRED GENERAL EDUCATION COURSES
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- BIOL 130 General Zoology 4 sem. hrs.
- CHEM 130 General Chemistry 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 165 Precalculus 5 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.

PROGRAM COURSES
- CHEM 132 General Chemistry 4 sem. hrs.
- EASC 116 Introduction to Geology 4 sem. hrs.
- PHYS 120 General Physics 5 sem. hrs.
- PHYS 121 General Physics 5 sem. hrs.

ELECTIVE COURSES
- Elective 1 sem. hr.

* See specific requirements for Associate in Science Degree (page 6).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog.
Geospatial Technologies

PROGRAM COURSES
- GIS 102 Introduction to Geographic Information Systems 3 sem. hrs.
- GIS 104 Applied Geographic Information Systems 3 sem. hrs.
- GIS 106 Global Positioning Systems 1 sem. hr.

ELECTIVE COURSES
- Approved GIS Elective* 3 sem. hrs.

*Approved Electives: GIS 108 or both GIS 100 and GIS 110

Program Information: designed to help prepare the student for employment in a field which utilizes geospatial technologies or enhances the skills of individuals currently employed in a field utilizing geospatial technology. Geospatial technologies refers to any of the geospatial (geographic) information technologies, including geographic information systems (GIS), global positioning systems (GPS), and remote sensing. These technologies allow for the mapping and analysis of information for various activities and at various scales.

Recommended Course Sequence:
First Semester: GIS 102; Approved GIS Elective
Second Semester: GIS 104; GIS 106

Other Information: students enrolled in this program can utilize courses within this certificate program to meet the elective requirement for many Agricultural programs of study. Students are encouraged to meet with their assigned Agricultural advisor.

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5334

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM
Degree: Associate in Applied Science
Total Credit Hours: 64

Program Information: program provides job skills for technician-level employment within the publication industry and allied graphic communication fields, as well as a solid technical background for individuals interested in production management. It includes page layout and traditional printing, electronic publishing, digital imaging manipulation, computer graphics, website development, digital photography, silk screening as well as three dimension modeling and animation. Blending of computer based and practical publishing knowledge prepares graduates of the program for the rapidly changing technologies found within the diverse areas of the graphic communications industry.

Recommended Course Sequence:
First Semester: GCOMM 110; GCOMM 112; GCOMM 130; GCOMM 235; GCOMM 250
Second Semester: GCOMM 140; GCOMM 150; GCOMM 230; GCOMM 251; ENGL 110
Third Semester: GCOMM 245; GRDSN 140; COMM 110; PSY 110; Mathematics; Approved Elective
Fourth Semester: GCOMM 247; GRDSN 142; Laboratory Science; Social Science; Humanities

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5147

Graphic Communications
FORMERLY GRAPHIC ARTS/DESKTOP PUBLISHING

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Laboratory Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- GCOMM 110 Introduction to Graphic Communications 4 sem. hrs.
- GCOMM 112 Vector Graphics with Adobe Illustrator 3 sem. hrs.
- GCOMM 130 Page Layout with Adobe Indesign 3 sem. hrs.
- GCOMM 140 Printing Methods 4 sem. hrs.
- GCOMM 150 Production Techniques and Processes 3 sem. hrs.
- GCOMM 230 Advanced Page Layout and Interactive Cross Media 3 sem. hrs.
- GCOMM 235 Digital Photography and Scanning for Publishing 3 sem. hrs.
- GCOMM 245 Web Publishing with Adobe Dreamweaver 3 sem. hrs.
- GCOMM 250 Beginning Adobe Photoshop Techniques 3 sem. hrs.
- GCOMM 251 Advanced Adobe Photoshop Techniques 3 sem. hrs.
- GRDSN 140 Graphic Design I 3 sem. hrs.
- GRDSN 142 Topography 3 sem. hrs.

ELECTIVE COURSES
- Approved Elective 1 sem. hr.

* See specific requirements for the Associate in Applied Science Degree (page 8).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: course of study prepares students interested in the concept, design, technologies, and practical aspects of visual communications creation and production. Upon completion, students could pursue graphic design careers in the related fields of advertising, communication, marketing, education, multimedia, and publishing. 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.

Recommended Course Sequence:
First Semester: GRDSN 140; ART 111; ENGL 110; COMM 110; MM140
Second Semester: GRDSN 142; GRDSN 150; ENGL 111; Physical Science; Art 120
Third Semester: MM 142; ART 150; Humanities; Social Science; GRDSN 130
Fourth Semester: ART 151; Mathematics; Social Science; Social Science; Life Science

For Program Information Contact:
Arts and Communication Department, Room 124A, (309) 694-5113

Graphic Design

REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 3-4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- ART 150 Art History I 3 sem. hrs.
- ART 151 Art History II 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.

PROGRAM COURSES

- ART 111 Color and Design 3 sem. hrs.
- ART 120 Basic Drawing 3 sem. hrs.
- GRDSN 130 Graphic Design Software Topics** 1 sem. hr.
- GRDSN 140 Graphic Design I 3 sem. hrs.
- GRDSN 142 Typography 3 sem. hrs.
- GRDSN 150 Graphic Design II 3 sem. hrs.
- MM 140 Multimedia Production I 3 sem. hrs.
- MM 142 Digital Photography 3 sem. hrs.

* See specific requirements for the Associate in Arts Degree (page 5).
** GRDSN 130 is repeatable up to three times when content of topics is different.

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
**CAREER PROGRAM**

**Degree:** Associate in Applied Science

**Total Credit Hours:** 64-65

**Program Information:** course of study prepares students interested in the concept, design, technologies, and practical aspects of visual communications creation and production. Upon completion, students could pursue graphic design careers in the related fields of advertising, communication, marketing, education, multimedia, and publishing. Students are strongly advised to develop and maintain a creative portfolio, as expected by employers. Those planning to transfer to a senior institution may elect the Graphic Design Associate in Arts degree option.

**Recommended Course Sequence:**

**First Semester:** ART 111; COMM 110; GRDSN 140; GRDSN 143; Mathematics

**Second Semester:** GRDSN 142; GRDSN 150; Laboratory Science; ART 120; ENGL 110

**Third Semester:** GRDSN 141; GRDSN 240; GCOMM 110; GCOMM 130; PSY 110

**Fourth Semester:** GRDSN 241; GCOMM 230; Social Science; MM 140; MM 142; ART 151

**For Program Information Contact:**

Arts and Communication Department, Room 124A, (309) 694-5113

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**Graphic Design**

**REQUIRED GENERAL EDUCATION COURSES**

- Laboratory Science* 4 sem. hrs.
- Mathematics* 3-4 sem. hrs.
- Social Science* 3 sem. hrs.
- ART 151 Art History II 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

**REQUIRED PROGRAM COURSES**

- ART 111 Color and Design 3 sem. hrs.
- ART 120 Basic Drawing 3 sem. hrs.
- GRDSN 140 Graphic Design I 3 sem. hrs.
- GRDSN 141 Introduction to Illustration 3 sem. hrs.
- GRDSN 142 Typography 3 sem. hrs.
- GRDSN 143 Computer Illustration I 3 sem. hrs.
- GRDSN 150 Graphic Design II 3 sem. hrs.
- GRDSN 240 Advanced Graphic Design I 3 sem. hrs.
- GRDSN 241 Advanced Graphic Design II 3 sem. hrs.
- GCOMM 110 Introduction to Graphic Communications 4 sem. hrs.
- GCOMM 130 Page Layout with Adobe Indesign 3 sem. hrs.
- GCOMM 230 Advanced Page Layout and Interactive Cross Media 3 sem. hrs.
- MM 140 Multimedia Production I 3 sem. hrs.
- MM 142 Digital Photography 3 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
**CAREER PROGRAM**

**Degree:** Associate in Applied Science  
**Total Credit Hours:** 65  

**Program Information:** The program is intended to provide the student with the knowledge to work in the energy areas, building environment, and building management and other jobs yet to be defined. This is an area that is still evolving and developing, where the student will learn what sustainability and green is all about and become better stewards of the environment.

**Recommended Course Sequence:**  
**First Semester:** REACT 110; REACT 111; MAT 106; ENGL 110; BUS 110  
**Second Semester:** GRBE 110; GRBE 120; PHYSC 110; ARCTK 119; Social Science  
**Summer Semester:** Social Science; Humanities  
**Third Semester:** GRBCR 150; CMPSC 120; GRBE 130; GRBE 140  
**Fourth Semester:** GRBE 150; BUS 200; MGMT 113; ARCTK 228; ENGL 125

**Admission to the Program:** 1 year high school algebra or MAT 094 with a grade of “C” or better

**To Remain In And Graduate From Program:** “C” or better in each course

**For Program Information Contact:** Agriculture and Industrial Technologies Department, Dirksen Hall, Room 9, (309) 694-8566

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**GREEN BUILDING ENVIRONMENT**

**REQUIRED GENERAL EDUCATION COURSES**
- **Humanities*** 3 sem. hrs.  
- **Social Science** 3 sem. hrs.  
- **Social Science** 3 sem. hrs.  
- **ENGL 110** Composition I 3 sem. hrs.  
- **ENGL 125** Business Communications 3 sem. hrs.  
- **MAT 106** Applied Algebra, Geometry and Trigonometry 4 sem. hrs.  
- **PHYSC 110** Energy and Environment 4 sem. hrs.

**REQUIRED PROGRAM COURSES**
- **ARCTK 119** Blueprint Reading – Construction 1 sem. hr.  
- **ARCTK 228** Construction Management 3 sem. hrs.  
- **BUS 110** Introduction to Business 3 sem. hrs.  
- **BUS 200** Human Relations in Business 3 sem. hrs.  
- **CMPSC 120** Business Computer Systems 3 sem. hrs.  
- **GRBCR 150** Building Envelope Evaluation 3 sem. hrs.  
- **GRBE 110** Introduction to Green Building Needs 3 sem. hrs.  
- **GRBE 120** Building Energy Analysis 3 sem. hrs.  
- **GRBE 130** Central Heating and Cooling Plant 3 sem. hrs.  
- **GRBE 140** Indoor Air Quality and Green Buildings 4 sem. hrs.  
- **GRBE 150** Green Building Environmental Projects 3 sem. hrs.  
- **MGMT 113** Principles of Management 3 sem. hrs.  
- **REACT 110** Refrigeration I 4 sem. hrs.  
- **REACT 111** Air Conditioning Systems I 3 sem. hrs.

*Recommended Humanities COMM 110

**Recommended Social Science** ECON 110; PSY 110; HIST 201

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours Required: 36

Program Information: intended to provide the student with the knowledge to work in the energy areas, building environment, and building management and other jobs yet to be defined; this is an area that is still evolving and developing; the student will learn what sustainability and green is all about and become better stewards of the environment

Recommended Course Sequence:
First Semester: REACT 110; REACT 111; ARCTK 119; BUS 110
Second Semester: GRBE 110; GRBE 120
Third Semester: ARCTK 227; GRBE 130; CMPSC 120
Fourth Semester: GRBE 140; GRBE 150; ARCTK 228

Admission to the Program: completion of MAT 108 with a grade of “C” or better or equivalent placement score

For Program Information Contact: Agriculture and Industrial Technologies Department, Dirksen Hall, Room 9, (309) 694-8566

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science
Total Credit Hours: 60-64

Program Information: requirements for admission to baccalaureate programs in the paramedical professions listed at right vary considerably. Students planning to enter a professional school in one of these fields should seek specific information from the school they wish to attend as early as possible. A solid background in math and science is desirable. Suggested course of studies listed at right will satisfy freshman-sophomore requirements of most four-year colleges and universities. Because differences exist between programs offered at senior institutions, students are encouraged to review specific requirements of the college or university to which they plan to transfer.

Recommended Course Sequence:
First Semester: ENGL 110; PSY 110; MATH 115; CHEM 120; Humanities
Second Semester: ENGL 111; BIOL 130; MATH 211 or Mathematics; BIOL 205
Third Semester: CHEM 122; Humanities/Fine Arts; COMM 110; Social Science; Electives
Fourth Semester: BIOL 206; Fine Arts; Social Science; Electives

For Program Information Contact:
Health Careers Department, Thomas Building, (309) 999-4600

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

Health Career Professions

Dental Hygienist* (baccalaureate)  Physical Therapist*
Medical Technologist*  Occupational Therapist*
Nursing (baccalaureate)  Radiologic Technologist**

REQUIRED GENERAL EDUCATION COURSES
- Fine Arts*  3 sem. hrs.
- Humanities*  3 sem. hrs.
- Humanities/Fine Arts*  3 sem. hrs.
- Social Science*  3 sem. hrs.
- Social Science*  3 sem. hrs.
- BIOL 130 General Zoology  4 sem. hrs.
- CHEM 120 Principles of Chemistry I  4 sem. hrs.
- COMM 110 Communication: Process and Practice  3 sem. hrs.
- ENGL 110 Composition I  3 sem. hrs.
- ENGL 111 Composition II  3 sem. hrs.
- MATH 115 College Algebra  3 sem. hrs.
- MATH 211 Statistical Analysis  3 sem. hrs.
- MATH 211 or Mathematics*  3 sem. hrs.
- PSY 110 Introduction to Psychology  3 sem. hrs.

PROGRAM COURSES
- BIOL 205 Principles of Human Anatomy & Physiology I  4 sem. hrs.
- BIOL 206 Principles of Human Anatomy & Physiology II  4 sem. hrs.
- CHEM 122 Principles of Chemistry II  4 sem. hrs.

ELECTIVE COURSES
- Electives  10-11 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).

The Bachelor of Science Degree in Radiologic Sciences granted by Southern Illinois University is the only degree specific to the Radiography Program curriculum within Illinois, and as a “capstone” degree, applicants must first complete the Radiography Program professional courses.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CERTIFICATE PROGRAM

Total Credit Hours Required: 44

Program Information: healthcare emergency manager (HEM) is a professional who is responsible for an all-hazards response of a healthcare agency or region. The HEM oversees healthcare regulations, inter-agency team building, exercise design, and business continuity. Courses are taught in accordance with National Incident Management System standards.

Recommended Course Sequence:
First Semester: HEM 110; ENGL 201; POLSC 119; BUS 215; CRJ 122
Second Semester: BUS 220; COMM 115; HEM 130; CRJ 116; ENGL 130
Third Semester: HEM 240; HEM 230; HEM 150; HEM 210
Fourth Semester: HEM 120; HEM 280; HEM 220

Admission to the Program: requires department approval. Students must have experience working within a healthcare agency such as hospitals, nursing homes, off-site clinics, ambulatory care center, public health or emergency medical service agency. Clinical background is not necessary but will assist with program integration. Students must show successful completion of FEMA ICS 100, 200, 700, and 800 courses.

Other Information: students successfully completing this program will be prepared to take the Certified Emergency Manager certification exam offered by the International Association of Emergency Managers.

For Program Information Contact: Health Careers Department, Thomas Building, (309) 999-4600

Healthcare Emergency Manager

REQUIRED PROGRAM COURSES

- BUS 215 Legal Environment of Business 3 sem. hrs.
- BUS 220 Introduction to Business Finance 3 sem. hrs.
- COMM 115 Introduction to Public Relations 3 sem. hrs.
- CRJ 116 Introduction to Industrial and Business Security 3 sem. hrs.
- CRJ 122 Understanding Terrorism 3 sem. hrs.
- ENGL 130 Grant Writing Basics 3 sem. hrs.
- ENGL 201 Technical Communications 3 sem. hrs.
- HEM 120 Exercise Design and Evaluation 3 sem. hrs.
- HEM 130 Healthcare Regulation and Policy 2 sem. hrs.
- HEM 150 The Incident Management Team 2 sem. hrs.
- HEM 210 Mass Care of the Special Needs Population 1 sem. hr.
- HEM 230 Healthcare Response to Biological or Chemical Threats 2 sem. hrs.
- HEM 240 Crisis Leadership 3 sem. hrs.
- HEM 280 Healthcare Emergency Manager Practicum 3 sem. hrs.
- POLSC 119 State and Local Government 3 sem. hrs.

The majority of this program delivery is web-based.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: 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.

Recommended Course Sequence:
First Semester: ENGL 110; GEOG 113; Physical Science; History; Humanities
Second Semester: ENGL 111; PHIL 110; Life Science; Mathematics; History
Third Semester: COMM 110; ECON 110; History; Electives
Fourth Semester: Political Science; Fine Arts; History; Electives

Admission to the Program: two years of a foreign language may be required for undergraduate degree in history and for entry into most law schools — students should check with the school to which they intend to transfer.

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5331

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

History

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities*** 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Political Science* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- GEOG 113 World Regional Geography 3 sem. hrs.
- PHIL 110 Introduction to Philosophy 3 sem. hrs.

PROGRAM COURSES

- History** 12 sem. hrs.

ELECTIVE COURSES

- Electives**** 11 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
** 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.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 65-67

Program Information: employment opportunities are available with schools, colleges, parks, golf courses, industrial plants, cemeteries, construction contractors and highway departments, to name only a few. A student will be employed in a nursery, garden center or golf course during the sophomore year. A student works eight weeks during the spring semester of the sophomore year for 40 hours per week.

Program Accreditation: National accreditation by the Professional Landcare Network (PLANET)

Recommended Course Sequence:

First Semester: ENGL 110; Mathematics; AGRI 112; HORT 110; HORT 114
Second Semester: Communication; Social Science; AGRI 113; HORT 124; HORT 125; HORT 126
Summer: HORT 130; HORT 132
Third Semester: Humanities; HORT 213; HORT 237; Approved Electives
Fourth Semester: Social Science; HORT 226; HORT 229; Approved Electives

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5415

Horticulture Landscape Management
FORMERLY HORTICULTURE

REQUIRED GENERAL EDUCATION COURSES

- Communication** 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Mathematics*** 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- AGRI 112 Basic Soils 4 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

REQUIRED PROGRAM COURSES

- AGRI 113 Principles of Soil Fertility 3 sem. hrs.
- HORT 110 Introduction to Horticultural Plants 4 sem. hrs.
- HORT 114 Turf Management I 3 sem. hrs.
- HORT 124 Landscape Construction 3 sem. hrs.
- HORT 125 Landscape Plants I 3 sem. hrs.
- HORT 126 Horticultural Plant Pruning 2 sem. hrs.
- HORT 130 Landscape Plants II 3 sem. hrs.
- HORT 132 Plant Diseases and Insects and Their Control 3 sem. hrs.
- HORT 213 Landscape Layout and Design 3 sem. hrs.
- HORT 226 Occupational Internship and Seminar 5 sem. hrs.
- HORT 229 Horticulture Business Management 3 sem. hrs.
- HORT 237 Garden Flowers 3 sem. hrs.

ELECTIVE COURSES

- Approved Electives**** 5-7 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).

** COMM 110 or 113 or 3 additional hours in composition courses numbered 111 or above, such as ENGL 111, 116, or 125.

*** Enroll in AGBUS 118; MAT 106, MATH 110 or higher based upon Math Placement Test.


For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CERTIFICATE PROGRAM

Total Credit Hours Required: 29-30

Program Information: The program trains individuals for entry-level positions in this field. It provides opportunities for individuals already employed in a horticultural business to gain knowledge and skills in their chosen field. Graduates will be employed as landscape planters, grounds workers, nursery workers, and landscape construction workers.

Recommended Course Sequence:
First Semester: AGBUS 118; HORT 110; HORT 114; Electives
Second Semester: AGRI 113; HORT 125; HORT 126; Electives
Summer: HORT 130; Electives

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5415

Horticulture-Landscaping

REQUIRED PROGRAM COURSES
- AGBUS 118 Agricultural Computations* 3 sem. hrs.
- AGRI 113 Principles of Soil Fertility 3 sem. hrs.
- HORT 110 Introduction to Horticultural Plants 4 sem. hrs.
- HORT 114 Turf Management I 3 sem. hrs.
- HORT 125 Landscape Plants I 3 sem. hrs.
- HORT 126 Horticultural Plant Pruning 2 sem. hrs.
- HORT 130 Landscape Plants II 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives** 8-9 sem. hrs.

* Math requirement may be waived if competence is shown.
** Approved electives: AGRI 112; HORT 124, 132, 210, 213, 214, 255.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Horticulture-Turfgrass Management

REQUIRED GENERAL EDUCATION COURSES
- Communication** 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Mathematics*** 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- AGRI 112 Basic Soils 4 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

REQUIRED PROGRAM COURSES
- AGRI 113 Principles of Soil Fertility 3 sem. hrs.
- HORT 110 Introduction to Horticultural Plants 4 sem. hrs.
- HORT 114 Turf Management I 3 sem. hrs.
- HORT 124 Landscape Construction 3 sem. hrs.
- HORT 125 Landscape Plants I 3 sem. hrs.
- HORT 126 Horticultural Plant Pruning 2 sem. hrs.
- HORT 130 Landscape Plants II 3 sem. hrs.
- HORT 132 Plant Diseases and Insects and Their Control 3 sem. hrs.
- HORT 213 Landscape Layout and Design 3 sem. hrs.
- HORT 226 Occupational Internship and Seminar 5 sem. hrs.
- HORT 229 Horticulture Business Management 3 sem. hrs.
- HORT 235 Advanced Turf Management 3 sem. hrs.
- HORT 237 Garden Flowers 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives**** 2-4 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).
** COMM 110 or 113 or 3 additional hours in composition courses numbered 111 or above, such as ENGL 111, 116, or 125.
*** Enroll in AGBUS 118; MAT 106, MATH 110 or higher based upon Math Placement Test.
**** Recommended Electives: HORT 214, 216, 218, 255; AGBUS 115.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CERTIFICATE PROGRAM

Total Credit Hours Required: 28

Program Information: program trains individuals for entry-level positions in the areas of home lawn care worker, turfgrass grower, golf course attendant and turf and grounds works for park districts, as well as public and private institutions. It provides opportunities for individuals already employed in a horticultural business to gain knowledge and skills necessary for upward mobility in their chosen field.

Recommended Course Sequence:
First Semester: AGBUS 118; HORT 110; HORT 114
Second Semester: AGRI 113; HORT 126; HORT 235
Summer: HORT 132
Third Semester: HORT 214; AGRI 112

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5415

Horticulture-Turfgrass Operations

REQUIRED PROGRAM COURSES
- AGBUS 118 Agricultural Computations* 3 sem. hrs.
- AGRI 112 Basic Soils 4 sem. hrs.
- AGRI 113 Principles of Soil Fertility 3 sem. hrs.
- HORT 110 Introduction to Horticultural Plants 4 sem. hrs.
- HORT 114 Turf Management I 3 sem. hrs.
- HORT 126 Horticultural Plant Pruning 2 sem. hrs.
- HORT 132 Plant Diseases and Insects and Their Control 3 sem. hrs.
- HORT 214 Horticultural Mechanics 3 sem. hrs.
- HORT 235 Advanced Turf Management 3 sem. hrs.

* Mathematics requirement may be waived if competence is shown.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Human Services

REQUIRED GENERAL EDUCATION COURSES
- English* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Laboratory Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- HUMSV 110 Introduction to Human Services 3 sem. hrs.
- HUMSV 111 Human Services Applications I 3 sem. hrs.
- HUMSV 125 Cultural Competence in the Human Services 3 sem. hrs.
  or SOC 219 The Sociology of Race and Ethnicity in America
  or COMM 204 Intercultural Communication
- HUMSV 126 Legal Issues in the Human Services 3 sem. hrs.
- HUMSV 127 Community Resources and Entitlement Programs 1 sem. hr.
- HUMSV 150 Human Services Topics-Issues in Residential Settings 1-3 sem. hrs.
- HUMSV 200 Human Services Applications II 3 sem. hrs.
- HUMSV 212 Understanding Dementia 3 sem. hrs.
- HUMSV 213 Issues in Abuse 3 sem. hrs.
- HUMSV 214 Issues in Care Giving 3 sem. hrs.
- HUMSV 250 Human Services Internship 2 sem. hrs.

ELECTIVE COURSES
- HEOCC 200 Disease Processes in Man** 3 sem. hrs.
- HLTH 120 First Aid** 2 sem. hrs.
- HLTH 121 Medical Terminology** 2 sem. hrs.
- HUMSV 105 Bridging to Human Services** 2 sem. hrs.
- HUMSV 120 Survey of Psychiatric Rehabilitation** 4 sem. hrs.
  or SOC 120 Marriage and the Family
- HUMSV 124 Family Systems in the Human Services** 3 sem. hrs.
  or SOC 120 Marriage and the Family
- HUMSV 151 Crisis and Suicide Intervention** 3 sem. hrs.
- PSY 112 Personality** 3 sem. hrs.
- PSY 220 Adulthood and Aging** 3 sem. hrs.
- SOC 221 Death and Dying** 3 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** Consultation with the Human Services Academic Advisor is strongly recommended.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 65

Program Information: provides education/training for prospective and current child care associates who desire knowledge and skills to work with special needs children and their families in child care centers and in human services agencies that offer programs for special needs pre-schoolers. Students who complete this degree will be teacher and director qualified in accordance with the Department of Children and Family Services regulations.

Recommended Course Sequence:
First Semester: ENGL 110; HUMSV 110; PSY 110; CHILD 110; CHILD 120
Second Semester: Mathematics; CHILD 130; CHILD 132; HUMSV 111; COMM 110
Third Semester: CHILD 140; CHILD 200; HUMSV 200; SOC 110; FCS 111; CHILD 240
Fourth Semester: CHILD 230; CHILD 231; Laboratory Science; CHILD 241

Admission to the Program: high school graduate or equivalent. Completion of COMPASS placement test (contact ICC Testing Office, 694-5234)

For Program Information Contact:
Public Services and Community Outreach Department, Human Services Program Coordinator, ICC North, (309) 690-6891

Human Services CHILD DEVELOPMENT

REQUIRED GENERAL EDUCATION COURSES

- Laboratory Science* 4 sem. hrs.
- Mathematics** 3 sem. hrs.
- CHILD 231 Literature for Children*** 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES

- CHILD 110 Introduction to Child Development*** 3 sem. hrs.
- CHILD 120 Human Growth and Development*** 3 sem. hrs.
- CHILD 130 Introduction to Creative Activities*** 3 sem. hrs.
- CHILD 132 Infant-Toddler Development*** 3 sem. hrs.
- CHILD 140 Child, Family and Community*** 3 sem. hrs.
- CHILD 200 Early Childhood Special Education*** 3 sem. hrs.
- CHILD 230 Program Planning*** 3 sem. hrs.
- CHILD 240 Child Development Experiences*** 4 sem. hrs.
- CHILD 241 Child Development Experiences*** 6 sem. hrs.
- FCS 111 Early Childhood Nutrition Education 3 sem. hrs.
- HUMSV 110 Introduction to Human Services 3 sem. hrs.
- HUMSV 111 Human Service Applications I 3 sem. hrs.
- HUMSV 200 Human Service Applications II 3 sem. hrs.

* Course depends on placement test scores.
** Course selection depends upon placement test scores; See specific requirements for Associate in Applied Science Degree (page 8)
*** Students must attain a “C” grade or better in each CHILD course to be retained in and graduate from the program.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 35

Program Information: provides prospective and current direct service providers with the information and training necessary to work at community agencies which serve adults with developmental disabilities. Completion of coursework in the curriculum will qualify students for placement on the Developmental Disabilities Aide portion of the Nurse Aide Registry of the State of Illinois.

Recommended Course Sequence:

First Semester: PSY 110; HLTH 121; HUMSV 112; HUMSV 113

Second Semester: HUMSV 114; PSY 118; IPP 110

Third Semester: HUMSV 115; PSY 220; PSY 225

Fourth Semester: HUMSV 200; HUMSV 210

Admission to the Program: high school graduate or equivalent. Completion of COMPASS Reading and Writing Test (contact ICC Testing Office, 694-5234)

For Program Information Contact:
Public Services and Community Outreach Department, Human Services Program Coordinator, ICC North, (309) 690-6891

Human Services

REQUIRED PROGRAM COURSES

- HLTH 121 Medical Terminology 2 sem. hrs.
- HUMSV 112 Habilitation Training* 3 sem. hrs.
- HUMSV 113 Habilitation Training Field Experience* 1 sem. hr.
- HUMSV 114 Introduction to Developmental Disabilities 3 sem. hrs.
- HUMSV 115 Introduction to Assistive Technology 4 sem. hrs.
- HUMSV 200 Human Services Applications II 3 sem. hrs.
- HUMSV 210 Advocacy in the Human Services 3 sem. hrs.
- IPP 110 American Sign Language I 4 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- PSY 118 Human Sexuality 3 sem. hrs.
- PSY 220 Adulthood and Aging 3 sem. hrs.
- PSY 225 Abnormal Psychology 3 sem. hrs.

ELECTIVE COURSES

- HUMSV 117 Medication Administration** 1 sem. hr.

* Students who have already completed DHS training will substitute courses related to this field of study, such as HLTH 086, HUMSV 110, HUMSV 111, and IPP 111.

** Students seeking employment in residential facilities need to take this course.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.


**CAREER PROGRAM**

**Degree:** Associate in Applied Science

**Total Credit Hours:** 64

**Program Information:** prospective and current direct service providers gain information and skills necessary to work at community agencies and programs that serve families and youth who are experiencing disruption, change, and stress in their lives. Graduates can be employed as family program assistants, case managers, or family service aides.

**Recommended Course Sequence:**

- **First Semester:** English; PSY 110; HUMSV 110; Humanities; Mathematics
- **Second Semester:** HUMSV 126; COMM 110; SOC 110; HUMSV 213; Laboratory Science; HUMSV 124; or SOC 120
- **Summer Semester:** Elective
- **Third Semester:** HUMSV 250; HUMSV 127; Elective; Elective; Elective
- **Fourth Semester:** HUMSV 126; Community Resources and Entitlement Programs; HUMSV 150; Crisis and Suicide Intervention; HUMSV 200; Human Services Applications II; HUMSV 213; Issues in Abuse; HUMSV 250; Human Services Internship

**Admission to the Program:** high school graduate or equivalent. Completion of COMPASS placement test (contact ICC Testing Office, 694-5234)

**For Program Information Contact:**

Public Services and Community Outreach Department, Human Services Program Coordinator, ICC North, (309) 690-6891

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**Human Services**

**REQUIRED GENERAL EDUCATION COURSES**

- English* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Laboratory Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

**REQUIRED PROGRAM COURSES**

- HUMSV 110 Introduction to Human Services 3 sem. hrs.
- HUMSV 111 Human Service Applications I 3 sem. hrs.
- HUMSV 124 Family Systems in Human Services 3 sem. hrs.
- or SOC 120 Marriage and the Family
- HUMSV 125 Cultural Competence in the Human Services 3 sem. hrs.
- or SOC 219 The Sociology of Race and Ethnicity in America
- or COMM 204 Intercultural Communication
- HUMSV 126 Legal Issues in the Human Services 3 sem. hrs.
- HUMSV 127 Community Resources and Entitlement Programs 1 sem. hr.
- HUMSV 150 Human Services Topics 1-3 sem. hrs.
- HUMSV 151 Crisis and Suicide Intervention 3 sem. hrs.
- HUMSV 200 Human Services Applications II 3 sem. hrs.
- HUMSV 213 Issues in Abuse 3 sem. hrs.
- HUMSV 250 Human Services Internship 2 sem. hrs.

**ELECTIVE COURSES**

- CHILD 120 Human Growth and Development** 3 sem. hrs.
- CHILD 140 Child, Family and Community** 3 sem. hrs.
- CRJ 110 Introduction to the Criminal Justice System** 3 sem. hrs.
- or CRJ 118 Juvenile Delinquency**
- or SOC 210 Introduction to Criminology
- DACT 110 Foundations I** 3 sem. hrs.
- DACT 111 Addictions Counseling I** 3 sem. hrs.
- HLTH 121 Medical Terminology** 2 sem. hrs.
- HUMSV 105 Bridging to Human Services** 2 sem. hrs.
- HUMSV 114 Introduction to Developmental Disabilities** 3 sem. hrs.
- HUMSV 120 Survey of Psychiatric Rehabilitation** 4 sem. hrs.
- HUMSV 210 Advocacy in Human Services** 3 sem. hrs.
- HUMSV 214 Issues in Care Giving** 3 sem. hrs.
- PSY 112 Personality** 3 sem. hrs.
- PSY 118 Human Sexuality** 3 sem. hrs.
- PSY 202 Child and Adolescent Development** 3 sem. hrs.
- PSY 225 Abnormal Psychology** 3 sem. hrs.
- SOC 114 Social Problems** 3 sem. hrs.

* See specific requirements for Associate in Applied Science degree (page 8).

** Consultation with the Human Services Academic Advisor is strongly recommended.

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
**CAREER PROGRAM**

**Degree:** Associate in Applied Science

**Total Credit Hours:** 65

**Program Information:** provides prospective and current human services employees with the information and skills necessary to work effectively in a variety of direct service positions in human services agencies. Students enrolled in this option will gain a broad overview of at-risk populations who seek assistance from human services agencies as well as specific skills to work with them professionally and successfully.

**Recommended Course Sequence:**

**First Semester:** HUMSV 110; PSY 110; Humanities; ENGL 110; HUMSV 151

**Second Semester:** COMM 110; SOC 110; Mathematics; ENGL 111; HUMSV 125 or SOC 219

**Summer Semester:** HUMSV 213; SSC 115

**Third Semester:** HUMSV 155; HUMSV 111; HUMSV 200; HUMAN 124 or SOC 120

**Fourth Semester:** HUMSV 250; HUMSV 127; HUMSV 150; Approved Elective

**Admission to the Program:** High school graduate or equivalent completion of COMPASS placement test (contact ICC Testing Office, 694-5234).

**To Remain In And Graduate From Program:** Students may be dismissed from the program if there is a failure to meet one or more of the following standards maintaining at least a 2.0 GPA in all coursework, maintaining high integrity, personal responsibility, and satisfactory demonstration of skills and abilities prerequisite to the ethical delivery of services in the field; maintaining professional standards at all times representing the college following the National Organization of Human Services Code of Ethics, minimal absences in all coursework, completion of prior Human Services coursework does not guarantee permission to take the internship course and to graduate from the program, successful, timely completion of internship, felony convictions may prevent a student from successfully obtaining employment in the human services field.

**For Program Information Contact:**
Public Services and Community Outreach Department, Human Service Program Coordinator, ICC North, (309) 690-6891

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**Human Services**

**GENERALIST**

**REQUIRED GENERAL EDUCATION COURSES**

- Humanities* 3 sem. hrs.
- Laboratory Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

**REQUIRED PROGRAM COURSES**

- HUMSV 124 Family Systems in Human Services 3 sem. hrs.
  or SOC 120 Marriage and Family 3 sem. hrs.
- HUMSV 125 Cultural Competency in Human Services 3 sem. hrs.
  or SOC 219 The Sociology of Race and Ethnicity in America 3 sem. hrs.
- HUMSV 110 Introduction to Human Services 3 sem. hrs.
- HUMSV 111 Human Services Applications I 3 sem. hrs.
- HUMSV 127 Community Resources and Entitlement Programs 1 sem. hr.
- HUMSV 150 Human Services Topics 1-3 sem. hrs.
- HUMSV 151 Crisis and Suicide Intervention 3 sem. hrs.
- HUMSV 155 Social Class and the Helping Professions 3 sem. hrs.
- HUMSV 200 Human Services Applications II 3 sem. hrs.
- HUMSV 213 Issues in Abuse 3 sem. hrs.
- HUMSV 250 Human Services Internship 2 sem. hrs.
- SSC 115 Leadership and Community Service 2 sem. hrs.

**ELECTIVE COURSES**

- Approved Electives 9 sem. hrs.

* See specific requirements for Associate in Applied Science degree (page 8).
**CAREER PROGRAM**

**Degree:** Associate in Applied Science  
**Total Credit Hours:** 64

**Program Information:** prepares individuals for employment as entry level professionals in mental health facilities, hospitals, and nursing homes that serve children, youth, and adults with serious mental illness in these settings. Entry level professionals provide direct service to clients such as encouraging them to follow their medication plan, assisting them with activities of daily living and helping them access community resources available in the community.

**Recommended Course Sequence:**  
**First Semester:** English; HUMSV 110; Humanities; HUMSV 120; PSY 110  
**Second Semester:** HUMSV 121; COMM 110; SOC 110; Mathematics; Approved Elective; HUMSV 150  
**Summer Semester:** Approved Elective; DACT 105  
**Third Semester:** HUMSV 122; HUMSV 111; HUMSV 200; HUMSV 151; HUMSV 127  
**Fourth Semester:** HUMSV 123; HUMSV 250; Laboratory Science

**Admission to the Program:** high school graduate or equivalent completion of COMPASS placement test (contact ICC Testing Office, 694-5234)

**For Program Information Contact:**  
Public Services and Community Outreach Department, Human Services Program Coordinator, ICC North, (309) 690-6891

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**Human Services**

**MENTAL HEALTH SERVICES**

**REQUIRED GENERAL EDUCATION COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMSV 101</td>
<td>English*</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 111</td>
<td>Humanities*</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 121</td>
<td>Laboratory Science*</td>
<td>4 sem. hrs.</td>
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<tr>
<td>HUMSV 122</td>
<td>Mathematics*</td>
<td>3 sem. hrs.</td>
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<tr>
<td>COMM 110</td>
<td>COMM 110 Communication: Process and Practice</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>PSY 110</td>
<td>PSY 110 Introduction to Psychology</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>SOC 110</td>
<td>SOC 110 An Introduction to Sociology</td>
<td>3 sem. hrs.</td>
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</table>

**REQUIRED PROGRAM COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>DACT 105</td>
<td>Introduction to Substance Abuse and Recovery</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 110</td>
<td>Introduction to Human Services</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 111</td>
<td>Human Service Applications I</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 120</td>
<td>Survey of Psychiatric Rehabilitation</td>
<td>4 sem. hrs.</td>
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<tr>
<td>HUMSV 121</td>
<td>Psychiatric Rehabilitation Skills</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 122</td>
<td>Psychiatric Rehabilitation Health Skills</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 123</td>
<td>Vocational and Community Living Skills</td>
<td>4 sem. hrs.</td>
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<tr>
<td>HUMSV 127</td>
<td>Community Resources and Entitlement Programs</td>
<td>1 sem. hr.</td>
</tr>
<tr>
<td>HUMSV 150</td>
<td>Human Services Topics</td>
<td>1-3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 151</td>
<td>Crisis and Suicide Intervention</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 200</td>
<td>Human Services Applications II</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>HUMSV 250</td>
<td>Human Services Internship</td>
<td>2 sem. hrs.</td>
</tr>
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</table>

**ELECTIVE COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Electives**</td>
<td></td>
<td>6 sem. hrs.</td>
</tr>
</tbody>
</table>

* See specific requirements for Associate in Applied Science Degree (page 8).

**Approved Electives:** CHILD 120, HLTH 121; HUMSV 114, 124, 125, 126, 214; PSY 118, 202, 225; SOC 114, 120, 219

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Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 15-17

Program Information: prepares individuals for employment as mental health aides and case managers in hospitals, forensic settings, nursing homes, and other community agencies serving individuals with serious mental illnesses.

Recommended Course Sequence:
First Semester: HUMSV 120
Second Semester: HUMSV 121; HUMSV 150
Third Semester: HUMSV 122
Fourth Semester: HUMSV 123

Admission to the Program: high school graduate or equivalent - completion of COMPASS reading and writing tests (contact ICC Testing Center, 694-5234)

For Program Information Contact:
Public Services and Community Outreach Department, Human Services Program Coordinator, ICC North, (309) 690-6891

Human Services

REQUIRED COURSES
- HUMSV 120 Survey of Psychiatric Rehabilitation 4 sem. hrs.
- HUMSV 121 Psychiatric Rehabilitation Skills 3 sem. hrs.
- HUMSV 122 Psychiatric Rehabilitation Health Skills 3 sem. hrs.
- HUMSV 123 Vocational and Community Living Skills 4 sem. hrs.
- HUMSV 150 Human Services Topics 1-3 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
HVAC Technician
FORMERLY: REFRIGERATION AND AIR CONDITIONING TECHNICIAN

REQUIRED COURSES
- ARCTK 119 Blueprint Reading - Construction 1 sem. hr.
- REACT 110 Refrigeration I 4 sem. hrs.
- REACT 111 Air Conditioning Systems I 3 sem. hrs.
- REACT 112 Refrigeration II 4 sem. hrs.
- REACT 113 Duct Design 3 sem. hrs.
- REACT 118 Electricity As It Applies to HVAC/R 4 sem. hrs.
- REACT 119 Sheetmetal for HVAC/R 4 sem. hrs.
- REACT 120 Residential Furnaces 4 sem. hrs.
- REACT 121 Heat Pumps and Geothermal 4 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
### CAREER PROGRAM

**Degree:** Associate in Applied Science  
**Total Credit Hours:** 65

**Program Information:** intended to provide students with enough entry-level skills to be employed in this field. After completing this program, the graduates will go to work as entry-level technicians in the following job classifications: heating, air conditioning and refrigeration mechanics, sheet metal duct installers, and general facilities repair persons. Although this program is not intended to be transferable to a four-year college, many of the courses will transfer.

**Recommended Course Sequence:**

**First Semester:** REACT 110; REACT 111; MAT 106; REACT 118  
**Second Semester:** REACT 112; REACT 113; ELCTK 111; ARCTK 119; REACT 119; Humanities  
**Summer:** ENGL 110; REACT 137; Social Science  
**Third Semester:** REACT 120; REACT 130; PHYS 110; REACT 138  
**Fourth Semester:** REACT 121; REACT 131; ENGL 125; REACT 139; Social Science

**Admission to the Program:** 1 year of high school algebra or MAT 094 with a grade of "C" or better

**To remain in and graduate from the program:** "C" or better in each course. Student must take the Residential and Light Commercial Refrigeration ICE exams in order to graduate.

**For Program Information Contact:** Agricultural and Industrial Technologies Department, Dirksen Building, Room 9, (309) 694-5293

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### HVAC/R Technology

**FORMERLY: REFRIGERATION, HEATING, AND AIR CONDITIONING TECHNOLOGY**

#### REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- Social Science** 3 sem. hrs.
- Social Science** 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 125 Business Communications 3 sem. hrs.
- MAT 106 Applied Algebra, Geometry and Trigonometry 4 sem. hrs.
- PHYS 110 Energy and Environment 4 sem. hrs.

#### REQUIRED PROGRAM COURSES

- ARCTK 119 Blueprint Reading-Construction 1 sem. hr.
- ELCTK 111 Commercial and Residential Wiring 2 sem. hrs.
- REACT 110 Refrigeration I 4 sem. hrs.
- REACT 111 Air Conditioning Systems I 3 sem. hrs.
- REACT 112 Refrigeration II 4 sem. hrs.
- REACT 113 Duct Design 3 sem. hrs.
- REACT 118 Electricity As It Applies to HVAC/R 4 sem. hrs.
- REACT 119 Sheetmetal for HVAC/R 2 sem. hrs.
- REACT 120 Residential Furnaces 4 sem. hrs.
- REACT 121 Heat Pumps and Geothermal 4 sem. hrs.
- REACT 130 Commercial Refrigeration and Ice Machines I 4 sem. hrs.
- REACT 131 Commercial Refrigeration and Ice Machines II 4 sem. hrs.
- REACT 137 Occupation Internship I 1 sem. hr.
- REACT 138 Occupation Internship II 1 sem. hr.
- REACT 139 Residential Systems Installation 1 sem. hr.

*Recommended Humanities: COMM 110  
**Recommended Social Sciences: ECON 110; PSY 110; HIST 201

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For the most up-to-date program requirements, go online to the College catalog: [www.icc.edu/catalog](http://www.icc.edu/catalog)

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 28

Program Information: designed to provide Illinois State Certification of the student as a security officer and also develop other skills that are needed by an individual who seeks entry level employment in this field.

Recommended Course Sequence:
First Semester: CRJ 110 or CRJ 116; CRJ 115; CRJ 130; CRJ 225 or CRJ 226; CRJ 282 or MGMT 114
Second Semester: FRSTK 112; FRSTK 132; EMT 125 or HLTH 120; ENGL 201; CRJ 201 or Approved Elective

Admission to the Program: students must complete basic skills placement testing

Other Information: CRJ 115 – Basic Training for Private Security Officers meets the requirements for licensure as a Private Security Officer in Illinois

For Program Information Contact:
Public Services and Community Outreach Department, ICC North, (309) 690-6863

Industrial and Business Security

REQUIRES COURSES

- CRJ 110 or CRJ 116: Introduction to the Criminal Justice System; 3 sem. hrs.
- CRJ 115: Basic Training for Private Security Officers; 2 sem. hrs.
- CRJ 130: Introduction to Investigation; 3 sem. hrs.
- CRJ 201 or CRJ 201: Internship in Criminal Justice; 3 sem. hrs.
- CRJ 225 or CRJ 226: Criminal Law; 3 sem. hrs.
- CRJ 282 or MGMT 114: Security Management; 3 sem. hrs.
- EMT 125 or HLTH 120: First Responder; 2 sem. hrs.
- ENGL 201: Technical Communications*; 3 sem. hrs.

* ENGL 201 requires a prerequisite of an appropriate test score.

** Approved Electives: FRSTK 229; EMT 110, 111; CRJ 110; FRSTK 110.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 70-74

Program Information: prepares the graduate to service and repair industrial electrical and electronic machines and systems. Students will work with a wide variety of modern industrial machines and controls, learning to install and maintain this type of equipment. Graduates are prepared to work in many manufacturing and industrial facilities with modern electrical and electronic systems. Many of the courses can also be transferred to technology programs at some four-year institutions. Graduates from apprentice programs at Caterpillar Inc. or other apprentice programs may be able to transfer credits to this program. Further information may be obtained by contacting the department office.

Recommended Course Sequence:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
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<tbody>
<tr>
<td>First Semester</td>
<td>ELCTS 131; ELCTS 132; ELCTS 133; ELCTK 111; MATH 130; English</td>
</tr>
<tr>
<td>Second Semester</td>
<td>ELCTS 134; ELCTS 135; ELCTS 136; ELCTK 150; ELCTK 112; PHYS 112</td>
</tr>
<tr>
<td>Third Semester</td>
<td>ELCTK 151; ELCTK 215; ELCTK 245; CMCIS 147 or CMCIS 151; MECTK 231; Communication</td>
</tr>
<tr>
<td>Fourth Semester</td>
<td>ELCTK 231; ELCTK 232; ELCTK 255; Social Science; Social Science; Humanities</td>
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</tbody>
</table>

Admission to the Program: math skills equivalent to two years of high school algebra and one year of high school geometry. Students should have high school transcripts and ACT scores or college transcripts sent to the Admission Office (309) 694-5235 or should make an appointment with the Testing Office (309) 694-5234 for math and reading tests. Students must also complete basic skills placement testing.

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5526

![Industrial Electrical Technology](image)

### REQUIRED GENERAL EDUCATION COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELCTK 151 or CMCIS 151</td>
<td>Fundamentals of Voice and Data Cabling I or Networking Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ELCTK 111</td>
<td>Residential and Commercial Wiring</td>
<td>2</td>
</tr>
<tr>
<td>ELCTK 112</td>
<td>Electronic CAD Applications I</td>
<td>2</td>
</tr>
<tr>
<td>ELCTK 150</td>
<td>Industrial Electricity</td>
<td>4</td>
</tr>
<tr>
<td>ELCTK 151</td>
<td>Electronic Systems Troubleshooting</td>
<td>3</td>
</tr>
<tr>
<td>ELCTK 215</td>
<td>Programmable Controllers</td>
<td>4</td>
</tr>
<tr>
<td>ELCTK 231</td>
<td>Industrial Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ELCTK 232</td>
<td>Electronics Systems Troubleshooting</td>
<td>3</td>
</tr>
<tr>
<td>ELCTK 245</td>
<td>Microprocessors and Microcontrollers</td>
<td>4</td>
</tr>
<tr>
<td>ELCTK 255</td>
<td>Independent Study</td>
<td>1-5</td>
</tr>
<tr>
<td>ELCTS 131</td>
<td>Introduction to Basic Electricity</td>
<td>2</td>
</tr>
<tr>
<td>ELCTS 132</td>
<td>Service Electronics-D.C. Circuits</td>
<td>2</td>
</tr>
<tr>
<td>ELCTS 133</td>
<td>Service Electronics-A.C. Circuits</td>
<td>2</td>
</tr>
<tr>
<td>ELCTS 134</td>
<td>Service Electronics-Basic Solid State</td>
<td>2</td>
</tr>
<tr>
<td>ELCTS 135</td>
<td>Service Electronics-Advanced Solid State</td>
<td>2</td>
</tr>
<tr>
<td>ELCTS 136</td>
<td>Service Electronics-Digital Circuits</td>
<td>2</td>
</tr>
<tr>
<td>MECTK 231</td>
<td>Industrial Fluid Power</td>
<td>3</td>
</tr>
</tbody>
</table>

* See specific requirements for the Associate in Applied Science Degree (page 8).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Transfer Program

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: 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.

Recommended Course Sequence:
First Semester: INDSN 140; ART 111; ENGL 110; BUS 110; ART 120
Second Semester: INDSN 141; ART 151; ENGL 111; PSY 110; Life Science
Third Semester: MKTG 112; COMM 110; Physical Science; Art Elective or Architecture Elective
Fourth Semester: BUS 200; SOC 110; Social Science; Mathematics; Humanities; Fine Arts

Other Information: 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.

For Program Information Contact:
Arts and Communication Department, Room 124A, (309) 694-5113

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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Interior Design

Required General Education Courses

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- ART 151 Art History II 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

Program Courses

- ART 111 2D Design 3 sem. hrs.
- ART 120 Drawing I 3 sem. hrs.
- BUS 110 Introduction to Business 3 sem. hrs.
- INDSN 140 Basic Interior Design 4 sem. hrs.
- INDSN 141 History of Furniture and Furnishings 4 sem. hrs.
- MKTG 112 Principles of Marketing 3 sem. hrs.
- Art Elective 3 sem. hrs.
- Architecture Elective 3 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
## International Business

### REQUIRED GENERAL EDUCATION COURSES

- **Fine Arts**
- **Humanities**
- **Humanities/Fine Arts**
- **Life Science**
- **Physical Science**
- **Social Science**
- **COMM 110 Communication: Process and Practice**
- **ECON 110 Principles of Macroeconomics**
- **ECON 111 Principles of Microeconomics**
- **ENGL 110 Composition I**
- **ENGL 111 Composition II**
- **MATH 115 College Algebra**

### PROGRAM COURSES

- **ACCTG 120 Financial Accounting**
- **ACCTG 121 Managerial Accounting**
- **BUS 111 International Business**
- **BUS 203 Business Statistics**
- **BUS 215 Legal Environment of Business**

* See specific requirements for Associate in Science Degree (page 6).
** The appropriate mathematics sequence is contingent on the individual’s mathematics background and placement test.

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**NOTE**

This degree program is offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
TRANSFER PROGRAM

**Degree:** Associate in Arts

**Total Credit Hours:** 60-64

**Program Information:** 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. A student is required to take a foreign language to deepen his/her understanding of another culture. Study abroad is encouraged with this program. A 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.

**Recommended Course Sequence:**
- **First Semester:** ENGL 110; HIST 117 or HIST 118; POLSC 124; Intermediate Foreign Language
- **Second Semester:** ENGL 111; COMM 110; Mathematics; Intermediate Foreign Language II; INTST 132 or INTST 133
- **Third Semester:** PHIL 112; POLSC 122; ECON 110; Life Science; INTST 130 or INTST 134
- **Fourth Semester:** GEOG 116; HIST 111 or HIST 112; Physical Science; Fine Arts; Elective

**For Program Information Contact:**
Social Sciences Department, Room 220D, (309) 694-5331

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**INTERNATIONAL STUDIES**

**REQUIRED GENERAL EDUCATION COURSES**
- Fine Arts* 3 sem. hrs.
- Intermediate Foreign Language II** 4 sem. hrs.
- Life Science* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- HIST 117 Early Western Civilization or HIST 118 Modern Western Civilization 3 sem. hrs.
- PHIL 112 Comparative Religions 3 sem. hrs.
- POLSC 122 Introduction to International Relations 3 sem. hrs.

**PROGRAM COURSES**
- Intermediate Foreign Language I** 4 sem. hrs.
- GEOG 116 Geography of the Developing World 3 sem. hrs.
- HIST 111 Early World Civilizations or HIST 112 Modern World Civilizations 3 sem. hrs.
- INTST 130 The Society and Culture of China or INTST 134 Introduction to Middle Eastern Cultures 3 sem. hrs.
- INTST 132 Latin American Humanities or INTST 133 Cultures and Civilizations of Sub-Saharan Africa 3 sem. hrs.
- POLSC 124 Comparative Political Systems 3 sem. hrs.

**ELECTIVE COURSES**
- Elective*** 3 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
** Foreign languages offered are French, German, Spanish, and Arabic and it is assumed students have tested out of 110 and 111.
*** Recommended Electives: ART 110, 150, 151; FILM 110; HUMAN 128; MUS 149 and 150

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 66-68

Program Information: designed to train hearing people to become interpreters for the hard of hearing. It is designed to provide students with entry level interpreting/transliterating skills, a general knowledge of deafness, an understanding of interpreting profession, and a general education component which will assist the student in interpreting a variety of social settings. Upon completion of the program students will be eligible to apply for approved certification.

Recommended Course Sequence:
First Semester: IPP 110; IPP 115; IPP 120; ENGL 110; COMM 110; Social Science
Second Semester: IPP 111, IPP 118; IPP 121; Social Science; Mathematics/Science
Summer: IPP 112
Third Semester: IPP 210; IPP 216; IPP 220; IPP 230; Mathematics/Science
Fourth Semester: IPP 211; IPP 221; IPP 231; IPP 260; Humanities

For Program Information Contact:
English and Language Studies Department, Room 314C, (309) 694-5342

Interpreter Preparation

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Mathematics/Science* 3-4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

REQUIRED PROGRAM COURSES
- IPP 110 American Sign Language I 4 sem. hrs.
- IPP 111 American Sign Language II 4 sem. hrs.
- IPP 112 American Sign Language III 3 sem. hrs.
- IPP 115 Deaf Culture I 3 sem. hrs.
- IPP 118 American Sign Language: Fingerspelling and Numbering I 2 sem. hrs.
- IPP 120 Introduction to Interpreting 2 sem. hrs.
- IPP 121 Practical and Ethical Applications of Interpreting 3 sem. hrs.
- IPP 210 American Sign Language IV 3 sem. hrs.
- IPP 211 American Sign Language V 3 sem. hrs.
- IPP 216 Occupational Interpreting 3 sem. hrs.
- IPP 220 Interpreting I 3 sem. hrs.
- IPP 221 Interpreting II 3 sem. hrs.
- IPP 230 Voice Interpreting I 3 sem. hrs.
- IPP 231 Voice Interpreting II 3 sem. hrs.
- IPP 260 Interpreting Internship 3 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 45

Program Information: designed to train hearing people to become interpreters for the hard of hearing. Designed to provide students with entry level interpreting/transliterating skills, a general knowledge of deafness, and an understanding of interpreting profession. Upon completion of the program students will be eligible to apply for approved certification.

Recommended Course Sequence:
First Semester: IPP 110; IPP 115; IPP 120
Second Semester: IPP 111; IPP 118; IPP 121
Summer: IPP 112
Third Semester: IPP 210; IPP 216; IPP 220; IPP 230
Fourth Semester: IPP 211; IPP 221; IPP 231; IPP 260

For Program Information Contact:
English and Language Studies Department, Room 314C, (309) 694-5342

Interpreter Preparation

REQUIRED COURSES

- IPP 110 American Sign Language I 4 sem. hrs.
- IPP 111 American Sign Language II 4 sem. hrs.
- IPP 112 American Sign Language III 3 sem. hrs.
- IPP 115 Deaf Culture I 3 sem. hrs.
- IPP 118 American Sign Language: Fingerspelling and Numbering I 2 sem. hrs.
- IPP 120 Introduction to Interpreting 2 sem. hrs.
- IPP 121 Practical and Ethical Applications of Interpreting 3 sem. hrs.
- IPP 210 American Sign Language IV 3 sem. hrs.
- IPP 211 American Sign Language V 3 sem. hrs.
- IPP 216 Occupational Interpreting 3 sem. hrs.
- IPP 220 Interpreting I 3 sem. hrs.
- IPP 221 Interpreting II 3 sem. hrs.
- IPP 230 Voice Interpreting I 3 sem. hrs.
- IPP 231 Voice Interpreting II 3 sem. hrs.
- IPP 260 Interpreting Internship 3 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: 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, public relations, and business reporting. A suggested course of study is basically 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.

Recommended Course Sequence:
First Semester: ENGL 110; COMM 110; Mathematics; JOURN 122; Social Science;
Second Semester: ENGL 111; JOURN 123; MCOMM 110; POLSC 115 or POLSC 119; Elective
Third Semester: Fine Arts; Life Science or Physical Science; Humanities; MM 140; Elective
Fourth Semester: GEOG 113; Humanities/Fine Arts; Life Science or Physical Science; Elective

For Program Information Contact:
English and Language Studies Department, Room 314C, (309) 694-5342

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

ILLINOIS CENTRAL COLLEGE   2013-2014   PROGRAMS OF STUDY

Journalism

REQUIRED GENERAL EDUCATION COURSES
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 3-4 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- GEOG 113 World Regional Geography 3 sem. hrs.
- POLSC 115 American National Geography 3 sem. hrs.
- or POLSC 119 State and Local Government

PROGRAM COURSES
- JOURN 122 Beginning Reporting** 3 sem. hrs.
- JOURN 123 Basic News Editing 3 sem. hrs.
- MCOMM 110 Introduction to Mass Media 3 sem. hrs.
- MM 140 Multimedia Production I 3 sem. hrs.

ELECTIVE COURSES
- Electives*** 12 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
** Typing ability is a prerequisite. If a student enters without it, TYPE 120 is recommended as an additional course beyond the requirements for the degree.
*** Recommended electives: COMM 115; ECON 110; ENGL 117, 210; GRDSN 130; JOURN 142, 210; MCOMM 113, 140, 214, 215, 230

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.


Law Enforcement

REQUIRED GENERAL EDUCATION COURSES

- **Humanities**
- **Laboratory Science**
- **Mathematics**
- **COMM 110** Communication: Process and Practice
- **ENGL 110** Composition I
- **PSY 110** Introduction to Psychology
- **SOC 110** An Introduction to Sociology

REQUIRED PROGRAM COURSES

- **CMGEN 120** Computer Applications
- **CRJ 110** Introduction to the Criminal Justice System
- **CRJ 112** Police Operations
- **CRJ 114** Introduction to Corrections
- **CRJ 118** Juvenile Delinquency
- **CRJ 130** Introduction to Investigation
- **CRJ 201** Internship in Criminal Justice**
  
  or
  
- **CRJ 225** Criminal Law
- **CRJ 227** Administration of Justice
- **CRJ 250** Police Organization and Administration
- **ENGL 111** Composition II
- **POLSC 119** State and Local Government
- **SOC 210** Introduction to Criminology

ELECTIVE COURSES

- **Approved Elective***

* See specific requirements for the Associate in Applied Science Degree (page 8).

** 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 the Law Enforcement Program and have completed a minimum of 20 semester hours.

*** Approved Electives are such courses as FORSC 241; CRJ 230, 255; EMT 110; or any course approved by your advisor.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. The sequence intends to provide a strong, general foundation in the humanities, providing breadth in a variety of disciplines rather than aiming at depth in any one. Each course 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.

Recommended Course Sequence:
First Semester: ENGL 110; Social Science; Mathematics; Humanities/Fine Arts; Elective
Second Semester: ENGL 111; Social Science; Life Science; Humanities/Fine Arts; Elective
Third Semester: Social Science; Social Science; Physical Science; Elective
Fourth Semester: Communication; Humanities/Fine Arts; Social Science; Elective

For Program Information Contact:
English and Language Studies Department, Room 314C, (309) 694-5342

Liberal Arts

REQUIRED GENERAL EDUCATION COURSES
- Communication* 3 sem. hrs.
- Fine Arts* 3-6 sem. hrs.
- Humanities* 3-6 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* - 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.

ELECTIVE COURSES
- Electives 9-10 sem. hrs.
- Foreign Language 8 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 64-65

Program Information: 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.

Recommended Course Sequence:
First Semester: LIB 110; LIB 114; ENGL 110; CMGEN 120; Elective
Second Semester: LIB 125; LIB 216; ENGL 111; PSY 110; Mathematics; Elective
Third Semester: LIB 127; LIB 231; Laboratory Science; Social Science; Elective
Fourth Semester: LIB 210; LIB 250; COMM 110; Humanities; Electives

For Program Information Contact: LTA Program Coordinator, East Peoria Campus, Library, Room L445, (309) 694-5508

Library Technical Assistant

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Laboratory Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CMGEN 120 Computer Applications 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- LIB 110 Introduction to Libraries 3 sem. hrs.
- LIB 114 Audiovisual Equipment Operation 2 sem. hrs.
- LIB 125 Cataloging and Classification 3 sem. hrs.
- LIB 127 MARC Record and Technical Processing 3 sem. hrs.
- LIB 210 Reference 3 sem. hrs.
- LIB 216 Introduction to Collection Development 3 sem. hrs.
- LIB 231 Introduction to Patron Services 3 sem. hrs.
- LIB 250 Library Practicum 1-3 sem. hrs.

ELECTIVE COURSES
- Electives** 14 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).

** Recommended Electives: CHILD 231; EDUC 230; HLTH 121; LIB 111, 200, 222.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 27-30

Program Information: designed to prepare individuals for immediate entry into library positions assisting library professionals in their job of acquiring, preparing, and organizing materials. LTAs may also 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.

Recommended Course Sequence:
First Semester: LIB 110; LIB 114; LIB 125
Second Semester: LIB 127; LIB 216; CMGEN 120
Third Semester: LIB 210; LIB 231;
Fourth Semester: LIB 250; Elective

For Program Information Contact: LTA Program Coordinator, East Peoria Campus, Library, Room L445, (309) 694-5508

Library Technical Assistant

GENERAL COURSES
- CMGEN 120 Computer Applications 3 sem. hrs.
- LIB 110 Introduction to Libraries 3 sem. hrs.
- LIB 114 Audiovisual Equipment Operation 2 sem. hrs.
- LIB 125 Cataloging and Classification 3 sem. hrs.
- LIB 127 MARC Record and Technical Processing 3 sem. hrs.
- LIB 210 Reference 3 sem. hrs.
- LIB 216 Introduction to Collection Development 3 sem. hrs.
- LIB 231 Introduction to Patron Services 3 sem. hrs.
- LIB 250 Library Practicum 1-3 sem. hrs.

ELECTIVE COURSES
- Elective* 3-4 sem. hrs.

* Recommended Electives: CHILD 231; EDUC 230; HLTH 121; LIB 111, 200, 222

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours Required: 42

Program Information: prepares the nursing graduate to give nursing care to clients at the bedside under the direction of a registered nurse, licensed physician or dentist. Clinical experience will be at nursing homes, hospitals and other community health agencies in the Peoria area. It consists of two semesters and one summer session.

Program Accreditation: Illinois Department of Financial and Professional Regulation. Graduates will be eligible to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN) for licensed practical nurses and apply for licensure as a Licensed Practical Nurse (LPN).

Recommended Course Sequence:
First Semester: PRNRS 110; PRNRS 114; BIOL 140; HEOCC 114; RNRS 150
Second Semester: PRNRS 111; ENGL 110; HLTH 121; FCS 110
Summer Session: PRNRS 112; PSY 110

Admission to the Program: graduation from high school or equivalent. ACT composite score of 14 or above (tested prior to Oct. 28, 1989) or 16 or above (tested after Oct. 28, 1989) at least a “C” in courses taken at other colleges. Grade of “C” in nine or more approved semester hours taken at Illinois Central College. One year of high school algebra or MAT 094 with a grade “C” or better or math placement test into MAT 098. Placement test scores into READ 115. Cumulative score of 0.80 or higher on Evolve HESI A2 Examination. Physical exam, immunizations, criminal background check, drug screen will be required upon acceptance into the program.

To Remain In And Graduate From Program: “C” or better in each course to receive a “C” or better grade, the student must (1) maintain a grade average of 75% or better, (2) demonstrate satisfactory clinical performance and meet all clinical requirements in each course with a clinical practicum and (3) meet all course requirements within specified time limits.

High School Recommendations: 3 years English, 1 year biology, 2 years mathematics, including one year of algebra.

For Program Information Contact:
Health Careers Department, Thomas Building, (309) 999-4600

Licensed Practical Nursing

REQUIRED COURSES
- BIOL 140 Human Anatomy and Physiology 4 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- FCS 110 Basic Nutrition 2 sem. hrs.
- HEOCC 114 Introduction to Interdisciplinary Health Care 1 sem. hr.
- HLTH 121 Medical Terminology 2 sem. hrs.
- PRNRS 110 Practical Nursing I 8 sem. hrs.
- PRNRS 111 Practical Nursing II 11 sem. hrs.
- PRNRS 112 Practical Nursing III 5 sem. hrs.
- PRNRS 114 Pharmacology for Practical Nursing 2 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- RNRS 150 Principles of Safe Medication Administration 1 sem. hr.

UNDERLINED COURSES MAY BE TAKEN PRIOR TO ADMISSION INTO PROGRAM.

NOTE

The National League for Nursing Accrediting Commission (NLNAC) is a resource for the nursing information contained here. The Commission may be contacted as follows: National League for Nursing Accrediting Commission (NLNAC), 33343 Peachtree Road NE, Suite 850, Atlanta, GA 30326. Phone (404) 975-5000, Fax: (404) 975-5020

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
LPN to RN Completion

REQUIRED GENERAL EDUCATION COURSES

- Humanities*  3 sem. hrs.
- BIOL 205 Principles of Human Anatomy & Physiology I**  4 sem. hrs.
- BIOL 206 Principles of Human Anatomy & Physiology II**  4 sem. hrs.
- ENGL 110 Composition I  3 sem. hrs.
- ENGL 111 Composition II or COMM 110 Communication: Process and Practice  3 sem. hrs.
- PSY 110 Introduction to Psychology  3 sem. hrs.
- SOC 110 An Introduction to Sociology  3 sem. hrs.

REQUIRED PROGRAM COURSES

- BIOL 210 Microbiology**  4 sem. hrs.
- FCS 110 Basic Nutrition or FCS 120 Principles of Nutrition  3 sem. hrs.
- HLTH 121 Medical Terminology  2 sem. hrs.
- RNRS 111 Pharmacology for Nurses**  2 sem. hrs.
- RNRS 125 Nursing: LPN to RN Transition  2 sem. hrs.
- RNRS 150 Principles of Safe Medication Administration**  1 sem. hr.
- RNRS 210 Health Assessment of the Adult Patient**  2 sem. hrs.
- RNRS 220 Nursing III  10 sem. hrs.
- RNRS 221 Nursing IV  10 sem. hrs.
- RNRS 222 Nursing Management and Leadership  2 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).
** These courses must be completed within five (5) years of admission to the program, BIOL 205, BIOL 206, BIOL 210, RNRS 111, RNRS 210, RNRS 150.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Machinist

**CERTIFICATE PROGRAM**

**Total Credit Hours:** 34

**Program Information:** intended to provide students with entry level skills needed to gain employment as machine operators of traditional manual machines and computer assisted numerically-controlled machines, and to upgrade the ability levels of practicing machinists in addition, the program provides the opportunity for students to broaden their knowledge of the total manufacturing process, thus improving their performance level and increasing the opportunities for advancement.

**Recommended Course Sequence:**

**First Semester:** MACTR 110; MACTR 121; MACTR 122; MAT 106; NCTK 110

**Second Semester:** MACTR 123; MACTR 124; PHYS 104; MECTK 232; NCTK 210

**Summer:** MECTK 138; NCTK 212; NCTK 214

**For Program Information Contact:** Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5510 or (309) 694-5171

**REQUIRED COURSES**

- MACTR 110 Print Reading - Mechanical 3 sem. hrs.
- MACTR 121 Machine Tool Operation I 3 sem. hrs.
- MACTR 122 Machine Tool Operation II 3 sem. hrs.
- MACTR 123 Machine Tool Operation III 2 sem. hrs.
- MACTR 124 Special Machining Skills 2 sem. hrs.
- MECTK 138 Manufacturing Processes I 3 sem. hrs.
- MECTK 232 Materials Science and Physical Metallurgy 3 sem. hrs.
- NCTK 110 Introduction to Numerical Control Systems 1 sem. hr.
- NCTK 210 Fundamentals of CNC Programming 2 sem. hrs.
- NCTK 212 CNC Machine Operation I 2 sem. hrs.
- NCTK 214 CNC Machine Operation II 2 sem. hrs.
- PHYS 104 Pre-Technical Physics 4 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: [www.icc.edu/catalog](http://www.icc.edu/catalog)

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM
Degree: Associate in Applied Science
Total Credit Hours: 69

Program Information: The program is designed to develop a strong foundation in traditional and automated machining practices. The program is a blend of skills development and associated theory and is intended for students who wish to become apprentices in the metal-working machining industry. The curriculum prepares graduates for employment opportunities as an apprentice in the following skilled trades: precision machinist, mold maker, die maker, tool maker, and related professions. Students will be introduced to potential employers over the course of the program, and the student will intern at a local metal-working machining company that employs apprentices. On completion of this program, the formal educational and training components of an apprenticeship will be satisfied, with on-the-job training remaining. Students who complete the program will be able to receive up to three credit hours toward the completion of the degree.

Recommended Course Sequence:
First Semester:
- MECTK 115; MECTK 116; MACTR 118; MACTR 121; ENGL 110; MAT 109
Second Semester:
- MECTK 121 or MECTK 125; MACTR 122; COMM 110 or COMM 113; ENGL 201; MATH 130
Summer:
- NCTK 210; MACTR 221
Third Semester:
- NCTK 212; NCTK 214; MACTR 123; NCTK 118; PHYS 112; Social Science
Fourth Semester:
- MACTR 124; MECTK 232; MECTK 231; MECTK 204; WLDTR 119; Social Science

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 Enrollment Services, 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 (these courses are available at the College for applicants who need to upgrade their mathematics skills).

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5510 or (309) 694-5171

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science
Total Credit Hours: 67-70

Program Information: designed to develop a strong foundation in mechanical systems commonly found in both manufacturing and process industries. The program also includes mathematics and physical science for understanding basic manufacturing related technologies. The curriculum prepares graduates for employment or advancement in industrial skilled trades careers including millwright, machine repair, and maintenance mechanic. With industrial experience, careers may also be pursued in plant engineering, maintenance supervision, and manufacturing engineering.

Recommended Course Sequence:
First Semester: MECTK 149; MECTK 110; MECTK 121; Mathematics; English
Second Semester: MECTK 150; MECTK 152; ELCTS 131; ELCTS 132; PHYS 112; Humanities/Fine Arts
Third Semester: MECTK 151; MECTK 231; ELCTS 133; MECTK 155; Social Science; Communications
Fourth Semester: MECTK 226; MECTK 232; MECTK 252; Social Science; Elective

Admission to the Program: students applying for admission to the program should have high school transcripts and ACT scores or college transcripts sent to Student Service Center or should make an appointment with the Testing Office for a math test and a reading test. 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 mathematics skills.

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5510 or (309) 694-5171

Maintenance Mechanic Technology

REQUIRED GENERAL EDUCATION COURSES
- Communication* 3 sem. hrs.
- English* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Mathematics** 3 sem. hrs.
- Social Science 3 sem. hrs.
- Social Science 3 sem. hrs.
- PHYS 112 Technical Physics I 4 sem. hrs.

REQUIRED PROGRAM COURSES
- ELCTS 131 Introduction to Basic Electricity 2 sem. hrs.
- ELCTS 132 Service Electroncs-D.C. Circuts 2 sem. hrs.
- ELCTS 133 Service Electroncs-A.C. Circuts 2 sem. hrs.
- MACTR 110 Print Reading-Mechanical 3 sem. hrs.
- MACTR 121 Machine Tool Operation I 3 sem. hrs.
- MECTK 149 Basic Power Transmission 2 sem. hrs.
- MECTK 150 Mechanical Systems I 2 sem. hrs.
- MECTK 151 Mechanical Systems II 2 sem. hrs.
- MECTK 152 Industrial Rigging 2 sem. hrs.
- MECTK 155 Piping Systems 1 sem. hr.
- MECTK 226 Statistics and Quality Control 3 sem. hrs.
- MECTK 231 Industrial Fluid Power 3 sem. hrs.
- MECTK 232 Materials Science and Physical Metallurgy 3 sem. hrs.
- MECTK 252 Advanced Troubleshooting 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives*** 8-9 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).
** Students should take the math placement test to determine math placement.
*** ELCTK 111, 150, 151; MECTK 250; NCTK 110, 212, 214; REACT 110, 111, 112

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM
Degree: Associate in Applied Science

Total Credit Hours: 71

Program Information: designed for students preparing for managerial positions but provides the student with the opportunity to specialize by pursuing electives in one of three management career options: Supervision; Supply Chain; or Hospitality Management. 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. Requirements can be completed in four semesters of full-time study or on a part-time basis. Program is not designed for college transfer, although some courses may transfer with approval from four-year institutions.

Recommended Course Sequence:
First Semester: ENGL 110; BUS 112; BUS 120; MGMT 113; ACCTG 120; CMGEN 120 or CMPSC 120
Second Semester: BUS 215; ENGL 125 or COMM 110; BUS 121; MKTG 112; Business Elective; Social Science
Third Semester: BUS 111; HOS 110; HOS 111; ECON 105 or 110; BUS 220; Humanities
Fourth Semester: HOS 112; CA 151; MGMT 205; MGMT 213 or 260; BUS 151; Laboratory Science/Mathematics

High School Recommendations: 3 years of mathematics, data processing, general business, accounting/bookkeeping, business law

Other Information: students should apply for an “Application for Degree/Certificate” after completing 40 or more hours of the above program – the form is available in Enrollment Services, L211, or online at www.icc.edu/currentStudents/graduating

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Management

REQUdRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Laboratory Science/Mathematics* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- BUS 120 Business Mathematics 3 sem. hrs.
- ECON 105 Survey of Economic Principles 3 sem. hrs.
- BUS 112 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 125 Business Communications 3 sem. hrs.
- or COMM 110 Communication: Process and Practice 3 sem. hrs.

REQUdRED PROGRAM COURSES
- ACCTG 120 Financial Accounting 4 sem. hrs.
- BUS 111 International Business 3 sem. hrs.
- BUS 112 Introduction to Business Careers 1 sem. hr.
- BUS 121 Principles of Customer Service 3 sem. hrs.
- BUS 151 Job Orientation 2 sem. hrs.
- BUS 215 Legal Environment of Business 3 sem. hrs.
- BUS 220 Introduction to Business Finance 3 sem. hrs.
- CA 151 Advanced Sanitation and Safety 3 sem. hrs.
- CMGEN 120 Computer Applications 3 sem. hrs.
- or CMPSC 120 Business Computer Systems
- HOS 110 Introduction to Hospitality Management 3 sem. hrs.
- HOS 111 Front Office Operations 3 sem. hrs.
- HOS 112 Facilities Management 3 sem. hrs.
- MGMT 113 Principles of Management 3 sem. hrs.
- MGMT 205 Personnel Management 3 sem. hrs.
- MGMT 213 Management Cases and Problems 3 sem. hrs.
- or MGMT 260 Management Internship
- MKTG 112 Principles of Marketing 3 sem. hrs.

ELECTIVE COURSES
- Business Elective** 3 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).
** Business Electives: ACCTG; BANK; SCM; MGMT; MKTG; RLST; TRAV or others with department approval.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
**CAREER PROGRAM**

**Degree:** Associate in Applied Science  
**Total Credit Hours:** 68

**Program Information:** designed for students preparing for managerial positions but provides the student with the opportunity to specialize by pursuing electives in one of three management career options: Supervision; Supply Chain; or Hospitality Management. 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. Program is not designed for college transfer, although some courses may transfer with approval from four-year institutions.

**Recommended Course Sequence:**

**First Semester:** ENGL 110; BUS 112; BUS 120; MGMT 113; ACCTG 120; CMGEN 120 or CMPSC 120  
**Second Semester:** BUS 215; ENGL 125 or COMM 110; BUS 200; MKTG 112; Business Elective; Social Science  
**Third Semester:** MGMT 114; ECON 105 or ECON 110; Approved MGMT Elective; Laboratory Science/Mathematics  
**Fourth Semester:** MGMT 205; BUS 220; MGMT 213; MGMT 260 or Approved MGMT Elective; BUS 151; Humanities

**Other Information:** students should apply for an “Application for Degree/Certificate” after completing 40 or more hours of the above program – the form is available in Enrollment Services, L211, or online at www.icc.edu/currentStudents/graduating

**For Program Information Contact:**  
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

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**Management Supervision**

**REQUIRED GENERAL EDUCATION COURSES**

- Humanities*  
- Laboratory Science/Mathematics*  
- Social Science*  
- BUS 120 Business Mathematics  
- ECON 105 Survey of Economic Principles or ECON 110 Principles of Macroeconomics  
- ENGL 110 Composition I  
- ENGL 125 Business Communications or COMM 110 Communication: Process and Practice

**REQUIRED PROGRAM COURSES**

- ACCTG 120 Financial Accounting  
- BUS 112 Introduction to Business Careers  
- BUS 151 Job Orientation  
- BUS 200 Human Relations in Business  
- BUS 215 Legal Environment of Business  
- BUS 220 Introduction to Business Finance  
- CMGEN 120 Computer Applications or CMPSC 120 Business Computer Systems  
- MGMT 113 Principles of Management  
- MGMT 114 Principles of Supervision  
- MGMT 205 Personnel Management  
- MGMT 213 Management Cases and Problems  
- MGMT 260 Management Internship or MGMT Approved Elective**  
- MKTG 112 Principles of Marketing

**ELECTIVE COURSES**

- Approved MGMT Elective**  
- Business Elective***  

* See specific requirements for the Associate in Applied Science Degree (page 8).  
** Approved MGMT electives: MGMT 203, 211, 215, or 216.  
*** Business Electives: ACCTG; BANK; BUS; MAMM; MGMT; MKTG; RLST; TRAV or others with department approval

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 69

Program Information: designed for students preparing for managerial positions but provides the student with the opportunity to specialize by pursuing electives in one of three management career options: Supervision; Supply Chain; or Hospitality Management. 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. 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.

Recommended Course Sequence:

First Semester: ENGL 110; BUS 112; BUS 120; MGMT 113; ACCTG 120; CMGEN 120 or CMPSC 120

Second Semester: ENGL 125 or COMM 110; BUS 215; BUS 200; MKTG 112; Business Elective; Social Science

Third Semester: MGMT 205; Laboratory Science/Mathematics; SCM 220; SCM 231; SCM 233; MGMT 211

Fourth Semester: MGMT 213 or MGMT 260; ECON 105 or ECON 110; BUS 151; Humanities; SCM 232; SCM 234; SCM 111

Other Information: students should apply for an “Application for Degree/Certificate” after completing 40 or more hours of the above program – the form is available in Enrollment Services, L211, or online at www.icc.edu/currentStudents/graduating

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

MANAGEMENT

SUPPLY CHAIN

REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- Laboratory Science/Mathematics* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- BUS 120 Business Mathematics 3 sem. hrs.
- ECON 105 Survey of Economic Principles 3 sem. hrs.
- or ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 125 Business Communications 3 sem. hrs.
- or COMM 110 Communication: Process and Practice 3 sem. hrs.

REQUIRED PROGRAM COURSES

- ACCTG 120 Financial Accounting 4 sem. hrs.
- BUS 112 Introduction to Business Careers 1 sem. hr.
- BUS 151 Job Orientation 2 sem. hrs.
- BUS 200 Human Relations in Business 3 sem. hrs.
- BUS 215 Legal Environment of Business 3 sem. hrs.
- CMGEN 120 Computer Applications 3 sem. hrs.
- or CMPSC 120 Business Computer Systems 3 sem. hrs.
- MGMT 113 Principles of Management 3 sem. hrs.
- MGMT 205 Personnel Management 3 sem. hrs.
- MGMT 211 Managing the Supply Chain 3 sem. hrs.
- MGMT 213 Management Cases and Problems 3 sem. hrs.
- or MGMT 260 Management Internship 3 sem. hrs.
- MKTG 112 Principles of Marketing 3 sem. hrs.
- SCM 111 Contemporary Logistics 3 sem. hrs.
- SCM 220 Basics of Supply Chain Management 2 sem. hrs.
- SCM 231 Master Planning of Resources 2 sem. hrs.
- SCM 232 Detailed Scheduling and Planning 2 sem. hrs.
- SCM 233 Execution and Control of Operations 2 sem. hrs.
- SCM 234 Strategic Management of Resources 2 sem. hrs.

ELECTIVE COURSES

- Business Elective** 3 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).

** BUS 111 is recommended for the Supply Chain Option.
CERTIFICATE PROGRAM

**Total Credit Hours:** 25-26

**Program Information:** designed to provide the vocational capabilities and skills required to effectively manage, implement, and execute the strategies and business plans needed to successfully compete in today’s manufacturing environment. It provides a focused curriculum for employees currently working in the field of Supply Chain Management and serves to enhance the qualifications for those desiring to enter this field. Courses stress the practical knowledge techniques, and theory needed to work effectively, to solve current problems, and to develop new strategies and direction. The program prepares the student for the American Production and Inventory Control Society (APICS) National Certification.

**Recommended Course Sequence:**

**First Semester:** MKTG 112; SCM 220; SCM 231; SCM 233; MGMT 211

**Second Semester:** (2) Approved Electives; SCM 111; SCM 232; SCM 234

**For Program Information Contact:**
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

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**Management - Supply Chain**

**REQUIRED PROGRAM COURSES**

- MKTG 112 Principles of Marketing 3 sem. hrs.
- MGMT 211 Managing the Supply Chain 3 sem. hrs.
- SCM 111 Contemporary Logistics 3 sem. hrs.
- SCM 220 Basics of Supply Chain Management 2 sem. hrs.
- SCM 231 Master Planning of Resources 2 sem. hrs.
- SCM 232 Detailed Scheduling and Planning 2 sem. hrs.
- SCM 233 Execution and Control of Operations 2 sem. hrs.
- SCM 234 Strategic Management of Resources 2 sem. hrs.

**ELECTIVE COURSES**

- Electives* 6-7 sem. hrs.

* Choose two of the following recommended electives: ACCTG 120, 121; BUS 111, 115, 200; ECON 110; MGMT 113; MKTG 260

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For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science
Total Credit Hours: 63-67

Program Information: learn manufacturing, process control, technical communication, machine tool research, solid part modeling, and programming 3D tool paths are just a few of the engineering technologists responsibilities. It provides students with a strong technology knowledge base, preparing them for their advancement into higher education at several Illinois universities, or to begin their vocational career in an entry-level position. ICC maintains articulation agreements with several universities from which students may pursue a bachelor’s degree upon graduating.

Recommended Course Sequence:
First Semester: MECTK 110 or MACTR 110; MECTK 138; MECTK 115; Mathematics; ENGL 110
Second Semester: MECTK 121 or MECTK 125; MECTK 238; Mathematics; PHYS 112; WLDTR 119
Third Semester: MECTK 204; MECTK 231; PHYS 113; Technical Elective(s); Social Science
Fourth Semester: MECTK 226; MECTK 232; COMM 110 or COMM 113; ENGL 201; Social Science; Technical Elective(s)

Admission to the Program: students must complete basic skills placement test before entering the program

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5510 or (309) 694-5171

Manufacturing Engineering Technology

GENERAL EDUCATION COURSES

- Mathematics** 3-5 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- or COMM 113 Business and Professional Speaking
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 201 Technical Communications 3 sem. hrs.
- PHYS 112 Technical Physics I 4 sem. hrs.

PROGRAM COURSES

- Mathematics** 3-5 sem. hrs.
- MECTK 110 Introduction to the Tools of Technology 3 sem. hrs.
- or MACTR 110 Print Reading – Mechanical
- MECTK 115 Principles of Dimensional Metrology 2 sem. hrs.
- MECTK 121 Introduction to Mechanical Computer-Aided Drafting 3 sem. hrs.
- or MECTK 125 3-D Modeling with CAD
- MECTK 138 Manufacturing Processes I 3 sem. hrs.
- MECTK 204 Statics and Strength of Materials 4 sem. hrs.
- MECTK 226 Statistics and Quality Control 3 sem. hrs.
- MECTK 231 Industrial Fluid Power 3 sem. hrs.
- MECTK 232 Materials Science and Physical Metallurgy 3 sem. hrs.
- MECTK 238 Manufacturing Processes II 3 sem. hrs.
- PHYS 113 Technical Physics II 4 sem. hrs.
- WLDTR 119 Welding Processes 2 sem. hrs.

ELECTIVE COURSES

- Technical Electives*** 5 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).
** Math Sequence (minimum 6 semester hours): Option 1 (Baccalaureate Sequence-Preferred) MATH 130 and MATH 137; Option 2: (Baccalaureate Sequence) MATH 115 and MATH 120; Option 3: (Non-transfer Sequence) MAT 106 and MATH 130.
*** Technical Electives: NCTK 212, 214; MECTK 251; MAMM 220, 231, 232

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Marketing/Sales and Retail Management

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Laboratory Science/Mathematics* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- BUS 120 Business Mathematics 3 sem. hrs.
- ECON 105 Survey of Economic Principles 3 sem. hrs.
or ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
or ENGL 125 Business Communications 3 sem. hrs.
or COMM 110 Communication: Process and Practice 3 sem. hrs.

REQUIRED PROGRAM COURSES
- ACCTG 105 or ACCTG 120 Bookkeeping/Accounting I 4 sem. hrs.
- BUS 111 International Business 3 sem. hrs.
- BUS 112 Introduction to Business Careers 1 sem. hr.
- BUS 121 Principles of Customer Service 3 sem. hrs.
- BUS 151 Job Orientation 2 sem. hrs.
- BUS 200 Human Relations in Business 3 sem. hrs.
- BUS 215 Legal Environment of Business 3 sem. hrs.
- CMGEN 120 or CMPSC 120 Computer Applications 3 sem. hrs.
- MGMT 113 Principles of Management 3 sem. hrs.
- MKTG 112 Principles of Marketing 3 sem. hrs.
- MKTG 115 Retailing 3 sem. hrs.
- MKTG 200 Advertising 3 sem. hrs.
- MKTG 201 Sales 3 sem. hrs.
- MKTG 202 Consumer Marketing 3 sem. hrs.
- MKTG 260 Marketing Internship 3 sem. hrs.

ELECTIVE COURSES
- Approved Elective** 3 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** Approved Electives: CA 217, MKTG 207, MGMT 203, 205, 211, 216

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Mass Communication

**REQUIRED GENERAL EDUCATION COURSES**

- Life Science* 3-4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- FILM 110 Survey of Film 3 sem. hrs.
- HUMAN 125 Contemporary Humanities 3 sem. hrs.
- MCOMM 224 History of Motion Pictures 3 sem. hrs.

**PROGRAM COURSES**

- MCOMM 110 Introduction to Mass Media 3 sem. hrs.
- MCOMM 113 Introduction to Radio, Television, and Emerging Media 3 sem. hrs.
- MCOMM 214 TV and Motion Picture Production 3 sem. hrs.
- MCOMM 217 Audio Production 3 sem. hrs.
- MCOMM 220 Scriptwriting 3 sem. hrs.

**ELECTIVE COURSES**

- Approved Electives** 8-9 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5)

** COMM 115, 248; FILM 11; JOURN 122, 142; MCOMM 140, 160, 215, 230, 260; MKTG 112; MM 140

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CERTIFICATE PROGRAM

Total Credit Hours Required: 37.5

Program Information: Massage therapist’s duties may vary from providing stress reduction and health enhancement to working cooperatively with other healthcare providers in pain management and injury rehabilitation. Massage therapists may see as few as one or two clients per day in private practice, to as many as ten or more in a health club or spa, with sessions ranging from fifteen minutes to two hours in length, depending on the purpose of the massage. Employment opportunities are in medical and chiropractic offices and clinics, health spas, fitness centers, massage therapy clinics, and beauty salons. Classroom and laboratory courses will be taught on the Illinois Central College campus and clinical experiences will be held on-site and in area facilities. Graduates are eligible to sit for the National Certification Exam for Therapeutic Massage and Bodywork.

Recommended Course Sequence:

First Semester: BIOL 140; TM 110 (pre-admission courses)
Second Semester: HLTH 041; TM 111; TM 112; TM 113; TM 114; TM 115
Summer: FCS 110; HLTH 120; TM 120
Third Semester: PSY 110; TM 121; TM 123; TM 125; TM 127

Admission to the Program: High school graduate or equivalent. A score of 62 or higher on the COMPASS Reading Test (contact ICC Testing Office, 694-5234) or grade of “C” or better in BIOL 140 and TM 110. Physical examination, immunizations, criminal background check, and drug screen.

To Remain In And Graduate From Program: “C” or better in each course.

Recommended High School Courses: English and biology. Completion of medical terminology highly suggested.

For Program Information Contact:
Health Careers Department, Thomas Building, (309) 999-4600

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PROGRAM COURSES

- **BIOL 140** Human Anatomy and Physiology 4 sem. hrs.
- **FCS 110** Basic Nutrition 2 sem. hrs.
- **HLTH 041** Basic Life Support (CPR) .5 sem. hr.
- **HLTH 120** First Aid 2 sem. hrs.
- **PSY 110** Introduction to Psychology 3 sem. hrs.
- **TM 110** Introduction to Massage Therapy & Bodywork 1 sem. hr.
- **TM 111** Fundamental Massage Techniques 2 sem. hrs.
- **TM 112** Applied Anatomy and Physiology for the Bodyworker 3 sem. hrs.
- **TM 113** Professional Issues for the Bodyworker 1.5 sem. hrs.
- **TM 114** Pathology, Documentation and Terminology for the Bodyworker 2.5 sem. hrs.
- **TM 115** Concepts of Holistic Health 3 sem. hrs.
- **TM 120** Therapeutic Massage Clinical I 1 sem. hr.
- **TM 121** Addressing the Muscle 4 sem. hrs.
- **TM 123** Massage Therapy Techniques, Variations & Applications 4 sem. hrs.
- **TM 125** Applied Kinesiology for the Bodyworker 2 sem. hrs.
- **TM 127** Therapeutic Massage Clinical II 2 sem. hrs.

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

For the most up-to-date program requirements, go online to the College catalog: [www.icc.edu/catalog](http://www.icc.edu/catalog) Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

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.

Recommended Course Sequence:

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
<th>Third Semester</th>
<th>Fourth Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 222; ENGL 110; Life Science; Social Science</td>
<td>MATH 223; ENGR 230 or CMPSC 125; ENGL 111; Fine Arts; Physical Science</td>
<td>MATH 224; COMM 110; Social Science; Humanities; Elective</td>
<td>MATH 230; MATH 250; Social Science; Humanities/Fine Arts</td>
</tr>
</tbody>
</table>

For Program Information Contact:
Math, Science, and Engineering Department, Room 320B, (309) 694-5365

Mathematics

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3-4 sem. hrs.
- Life Science* 4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.
- MATH 223 Calculus and Analytic Geometry II 4 sem. hrs.

PROGRAM COURSES

- CMPSC 125 CS I: Programming in C++ or ENGR 230 Programming Engineering Applications 3 sem. hrs.
- MATH 224 Calculus & Analytic Geometry III 4 sem. hrs.
- MATH 230 Linear Algebra 3 sem. hrs.
- MATH 250 Differential Equations 3 sem. hrs.

ELECTIVE COURSES

- Elective 3 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog
Mechanical Engineering Technology

REQUIRED GENERAL EDUCATION COURSES
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- COMM 113 Business and Professional Speaking 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 201 Technical Communications 3 sem. hrs.
- MATH 130 Technical Algebra and Trigonometry 5 sem. hrs.
- MATH 137 Technical Calculus 3 sem. hrs.

REQUIRED PROGRAM COURSES
- MECTK 110 Introduction to the Tools of Technology 3 sem. hrs.
- MECTK 121 Introduction to Mechanical Computer-Aided Drafting 3 sem. hrs.
- MECTK 123 Mechanical Detailing With CAD 3 sem. hrs.
- MECTK 125 3-D Modeling With CAD 3 sem. hrs.
- MECTK 138 Manufacturing Processes I 3 sem. hrs.
- MECTK 201 Mechanisms 3 sem. hrs.
- MECTK 204 Statics and Strength of Materials 4 sem. hrs.
- MECTK 220 Advanced CAD Projects 2 sem. hrs.
- MECTK 221 Machine Design I 3 sem. hrs.
- MECTK 222 Machine Design II 3 sem. hrs.
- MECTK 231 Industrial Fluid Power 3 sem. hrs.
- MECTK 232 Materials Science and Physical Metallurgy 3 sem. hrs.
- PHYS 112 Technical Physics I 4 sem. hrs.
- PHYS 113 Technical Physics II 4 sem. hrs.
- WLDTR 119 Welding Processes 2 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 26

Program Information: the mechanical/electrical maintenance person is employed to support manufacturing or large building complexes. They are asked to accomplish a variety of tasks depending on the day-to-day needs of their employer. A person interested in pursuing education and employment in this area should have high mechanical aptitude and the ability to troubleshoot complex systems. The program is intended for the individual who wishes to upgrade skills or prepare for a career as a maintenance mechanic or industrial electrician. An individual has the opportunity to select areas of concentration. All courses on the optional course list are resident in either the Industrial Electrical or the Maintenance Mechanic Technology Programs. Students wishing to pursue an Associate Degree should discuss this desire with their advisor to ensure no loss of credit.

Recommended Course Sequence:
First Semester: MAT 106; MECTK 111; Electives

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5566 (Mechanical) or (309) 694-5526 (Electrical)

Mechanical/Electrical Maintenance

REQUIRED COURSES

- MECTK 111 Technical Drafting 2 sem. hrs.
- Electives** 20 sem. hrs.

* Students should take the math placement test to determine math placement.
** Electrical Options: ELCTS 131, 132, 133; ELCTK 150 and MECTK 251
Mechanical Options are: MECTK 113, 138, 149, 150, 151, 152, 154, 155, 231, 250; and WLDTR 133

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
**CERTIFICATE PROGRAM**

**Total Credit Hours:** 40.5

**Program Information:** program develops such administrative skills as answering telephones, greeting patients, updating medical records, scheduling appointments, and handling billing and bookkeeping. It develops clinical skills such as taking medical histories, explaining treatment procedures, preparing patients for exams, assisting the physician, phlebotomy skills, and performing electrocardiograms. Coursework is taken on the Illinois Central College campus, and practical experiences are provided in the offices of cooperating physicians.

**Recommended Course Sequence:**

**First Semester:** ENGL 110; BIOL 140; MEDO 110; MEDO 112; MEDO 117; MEDO 119

**Second Semester:** MEDO 111; MEDO 115; CLT 110; HEOCC 200; HLTH 041; HLTH 071; HLTH 120

**Summer Semester:** CLT 111; CLT 112

**Third Semester:** MEDO 125

**Admission to the Program:** high school graduate or equivalent, ACT composite score of 17 or above (15 or above if tested prior to Oct. 28, 1989), minimum “C” average in courses you are transferring to ICC, one year of high school algebra or placement into MAT 094, with a grade of “C” or better, or math placement into MAT 098.

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

**To Remain In and Graduate From Program:** “C” or better in all required program courses.

**High School Recommendations:** 3 years English, 1 year algebra, word processing, biology

**For Program Information Contact:**
Health Careers Department, Thomas Building, (309) 999-4600

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**Medical Assistant**

**REQUIRED PROGRAM COURSES**

- **BIOL 140** Human Anatomy and Physiology 4 sem. hrs.
- **CLT 110** Introduction to the Clinical Laboratory and Phlebotomy 2 sem. hrs.
- **CLT 111** Clinical Laboratory Skills for Medical Assistants 4 sem. hrs.
- **CLT 112** Phlebotomy Clinical Practicum 2 sem. hrs.
- **ENGL 110** Composition I* 3 sem. hrs.
- **HEOCC 200** Disease Processes in Man 3 sem. hrs.
- **HLTH 041** Basic Life Support (CPR) .5 sem. hr.
- **HLTH 071** Basic Electrocardiograms 1 sem. hr.
- **HLTH 120** First Aid 2 sem. hrs.
- **MEDO 110** Medical Assistant Administrative Skills 4 sem. hrs.
- **MEDO 111** Medical Assistant Clinical Procedures 4 sem. hrs.
- **MEDO 112** Medical Office Computer Skills 1 sem. hr.
- **MEDO 115** Introduction to ICD-10-CM Coding and ICD-10-PCS Coding 3 sem. hrs.
- **MEDO 119** Introduction to Pharmacology for Medical Assistant 4 sem. hrs.
- **MEDO 125** Medical Assistant Practicum 3 sem. hrs.

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

* All courses with the program must be completed within 5 years of admission to the program excluding ENGL 110.*

For the most up-to-date program requirements, go online to the College catalog: [www.icc.edu/catalog](http://www.icc.edu/catalog) Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 27

Program Information: intended to provide students with entry-level skills needed to gain employment as a medical coder. The 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. The program can be completed in approximately two (2) to three (3) semesters of study as outlined at right. Upon program completion, students can expect to be employed in a variety of health care settings such as hospitals, physicians' offices, billing services, and insurance companies. Students must achieve a minimum grade of “C” in all coursework. Students are eligible to take the entry-level examination for certification as a medical coder given by the American Health Information Management Association (AHIMA) upon completion of program.

Recommended Course Sequence:

First Semester: HLTH 121; BIOL 205; MEDO 112; HEOCC 220
Second Semester: BIOL 206; HEOCC 112; MEDO 115; HEOCC 200
Third Semester: MEDO 117
Fourth Semester: MEDO 120
Summer: MEDO 118

Admission to the Program: High school graduate or equivalent. ACT composite score of 17 or above (14 or above if tested prior to Oct. 28, 1989). Minimum “C” average in 9 or more semester hours of approved courses taken at ICC if not initially admissible to program. One year high school biology placement score into READ 115, physical exam, criminal background check, immunizations, and drug screening.

High School Recommendations: 3 years English, 2 years typing

For Program Information Contact:
Health Careers Department, Thomas Building, (309) 999-4600

Medical Coder

REQUIRED COURSES

- BIOL 205 Principles of Human Anatomy & Physiology I*** 4 sem. hrs.
- BIOL 206 Principles of Human Anatomy & Physiology II*** 4 sem. hrs.
- HEOCC 112 Introduction to Pharmacology 2 sem. hrs.
- HEOCC 200 Disease Processes in Man 3 sem. hrs.
- HEOCC 220 Legal Issues in Health Care 1 sem. hrs.
- HLTH 121 Medical Terminology 2 sem. hrs.
- MEDO 112 Medical Office Computer Skills* 1 sem. hr.
- MEDO 115 Introduction to ICD-10-CM and ICD-10-PCS Coding 3 sem. hrs.
- MEDO 118 Coding Internship** 2 sem. hrs.
- MEDO 120 Intermediate ICD-10-CM and ICD-10-PCS Coding 3 sem. hrs.

Underlined courses may be taken prior to admission into program.

* Or approved computer course

** Arranged by program director upon completion of all other courses.

*** BIOL 205 and BIOL 206 must be completed within 5 years of admission into the program.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 31.5

Program Information: Administrative office assistants usually work in the front administrative area of a physician’s office, but opportunities are available in hospital departments, pharmacies, insurance companies, long-term care or other allied or specialized health care facilities. The program develops such necessary skills as arranging patient appointments, meeting the public in person and by telephone, handling money, basic bookkeeping, ordering equipment and supplies, completing medical forms. Coursework is taken on the Illinois Central College campus, and practical experiences are provided in the offices of cooperating physicians.

1 year certificate, non-accredited program

Recommended Course Sequence:
First Semester: MEDO 110; MEDO 112; HLTH 041; BIOL 106 or BIOL 140; TYPE 121; MEDO 115
Second Semester: MEDO 122; ACCTG 105; MEDO 117; HEOCC 112; BUS 121; ENGL 110

Admission to the Program: High school graduate or equivalent. ACT composite score of 17 or above (14 or above if tested prior to Oct. 28, 1989). Minimum “C” average in courses you are transferring to ICC. Minimum “C” average in 9 or more approved semester hours taken at ICC (for students not initially admissible to program). One semester of high school word processing or equivalent. HLTH 121 with a grade of “C” or better. Placement scores into ENGL 099. Math placement into MATH 094. Physical exam, immunizations, criminal background check and drug screen.

To Remain In And Graduate From Program: “C” or better in all required program courses.

High School Recommendations: 3 years English. 1 year pre-algebra. 1 semester of word processing or equivalent.

For Program Information Contact:
Health Careers Department, Thomas Building, (309) 999-4600

Medical Office Administrative Assistant

REQUIRED PROGRAM COURSES

- ACCTG 105 Bookkeeping/Accounting I 3 sem. hrs.
- BIOL 106 Human Biology 4 sem. hrs.
or BIOL 140 Human Anatomy and Physiology
- BUS 121 Principles of Customer Service 3 sem. hrs.
- ENGL 110 Composition I* 3 sem. hrs.
- HEOCC 112 Introduction to Pharmacology 2 sem. hrs.
- HLTH 041 Basic Life Support (CPR) .5 sem. hr.
- MEDO 110 Medical Assistant Administrative Skills 4 sem. hrs.
- MEDO 112 Medical Office Computer Skills 1 sem. hr.
- MEDO 115 Introduction to ICD-10-CM and ICD-10-PCS Coding 3 sem. hrs.
- MEDO 122 Medical Office Administrative Practicum 3 sem. hrs.
- TYPE 121 Keybording/Word Processing II 3 sem. hrs.

Underlined courses may be taken prior to admission into program.

* All courses within the program must be completed within (5) years of admission to the program excluding ENGL 110.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

Program Information: 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. Calculus-based physics curriculum is appropriate for students interested in atmospheric science, meteorology, climatology, or weather forecasting.

Recommended Course Sequence:
First Semester: CHEM 130; MATH 222; ENGL 110; EASC 118
Second Semester: MATH 223; ENGL 111; PHYS 211; GEOG 112 or 113; Life Science
Third Semester: PHYS 212; MATH 224; Humanities; Fine Arts; Social Science
Fourth Semester: PHYS 213; PHYS 214; MATH 250; COMM 110; Humanities/Fine Arts; Social Science

For Program Information Contact:
Math, Science, and Engineering Department, Room 320B, (309) 694-5365

Meteorology

REQUIRED GENERAL EDUCATION COURSES
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3-4 sem. hrs.
- Life Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- CHEM 130 General Chemistry 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- GEOG 112 Cultural Geography 3 sem. hrs.
- or GEOG 113 World Regional Geography 3 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.
- MATH 223 Calculus and Analytic Geometry II 4 sem. hrs.

REQUIRED PROGRAM COURSES
- EASC 118 Introduction to Weather and Climate 4 sem. hrs.
- MATH 224 Calculus and Analytic Geometry III 4 sem. hrs.
- MATH 250 Differential Equations 3 sem. hrs.
- PHYS 211 Engineering Physics: Mechanics 4 sem. hrs.
- PHYS 212 Engineering Physics: Electricity and Magnetism 4 sem. hrs.
- PHYS 213 Engineering Physics: Thermodynamics 2 sem. hrs.
- PHYS 214 Engineering Physics: Modern Physics 2 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
## Multimedia

### REQUIRED GENERAL EDUCATION COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities*</td>
<td></td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>Life Science*</td>
<td></td>
<td>3-4 sem. hrs.</td>
</tr>
<tr>
<td>Mathematics**</td>
<td></td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>Physical Science*</td>
<td></td>
<td>3-4 sem. hrs.</td>
</tr>
<tr>
<td>Social Science*</td>
<td></td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>Social Science*</td>
<td></td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>ART 151</td>
<td>Art History II</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>COMM 110</td>
<td>Communication: Process and Practice</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>Composition I</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>ENGL 111</td>
<td>Composition II</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>FILM 110</td>
<td>Survey of Film</td>
<td>3 sem. hrs.</td>
</tr>
</tbody>
</table>

### PROGRAM COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRDSN 140</td>
<td>Graphic Design I</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>GRDSN 142</td>
<td>Typography</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>MCOMM 217</td>
<td>Audio Production</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>MM 140</td>
<td>Multimedia Production I</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>MM 142</td>
<td>Digital Photography</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>MM 150</td>
<td>Multimedia Theory</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>MM 241</td>
<td>Multimedia Authoring</td>
<td>5 sem. hrs.</td>
</tr>
</tbody>
</table>

* See specific requirements for Associate in Arts Degree (page 5).

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: [www.icc.edu/catalog](http://www.icc.edu/catalog) Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 64

Program Information: prepares students interested in seeking entry level positions or career advancement in the multimedia field and related industries of advertising, communication, graphic design, marketing and publishing. Study stresses technical and creative skills for designing, authoring, and producing multimedia projects and presentations. Program emphasizes multimedia skills development and preparation of creative portfolio for employment. Students planning transfer to a baccalaureate degree program should enroll in the Associate in Arts Multimedia program of study.

Recommended Course Sequence:
First Semester: MM 130; MM 140; GRDSN 140; GCOMM 245; ART 151
Second Semester: MM 142; MM 150; GCOMM 248; MCOMM 217; COMM 110
Third Semester: MM 230; MM 231; PSY 110; Laboratory Science; ENGL 110
Fourth Semester: MM 241; Approved Elective; GCOMM 247; Mathematics; Social Science

For Program Information Contact:
Arts and Communication Department, Room 124A, (309) 694-5113

Multimedia

REQUIRED GENERAL EDUCATION COURSES
- Laboratory Science* 4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

PROGRAM COURSES
- GCOMM 245 Web Publishing with Adobe Dreamweaver 3 sem. hrs.
- GCOMM 248 Modeling and Animation with Autodesk Maya 3 sem. hrs.
- GRDSN 140 Graphic Design I 3 sem. hrs.
- MCOMM 217 Audio Production 3 sem. hrs.
- MM 130 Multimedia Software Topics 1-4 sem. hrs.
- MM 140 Multimedia Production I 3 sem. hrs.
- MM 142 Digital Photography 3 sem. hrs.
- MM 150 Multimedia Theory 3 sem. hrs.
- MM 230 Digital Video Production 3 sem. hrs.
- MM 231 Video Special Effects 3 sem. hrs.
- MM 241 Multimedia Authoring 5 sem. hrs.

ELECTIVE COURSES
- Approved Elective** 3 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** MM 255 Independent Study is offered as an additional elective course.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science
Total Credit Hours: 70

Program Information: designed to develop a strong foundation in both mechanical and electrical systems commonly found in both manufacturing and process industries. Program also includes mathematics and physical science for understanding and troubleshooting basic manufacturing and process systems. Curriculum prepares graduates for employment or advancement in industrial skilled trades careers that require a combination of electrical and mechanical skills. With industrial experience, careers may also be pursued in plant engineering and maintenance supervision. It is possible to articulate the program requirements with certain approved apprentice programs including Advanced Technology Services and Caterpillar Inc.

Recommended Course Sequence:
First Semester: MACTR 110; MECTK 149; MECTK 150; ELCTS 131; MAT 106; ENGL 110
Second Semester: MECTK 151; MECTK 152; ELCTS 132; ELCTS 133; MACTR 121; Social Science; PHYS 104
Third Semester: ELCTK 150; ELCTK 151; MECTK 231; COMM 110; NCTK 212; MATH 130
Fourth Semester: MECTK 252; ELCTK 215; ENGL 201; WLDTR 133; Social Science

Admission to the Program: high school transcripts and ACT scores or college transcripts sent to Enrollment Services or make an appointment with the Testing Office for a math test and a reading test. Math skills equivalent to two years of high school algebra and one year of high school geometry; these courses are available at the college for applicants who need to upgrade their mathematics skills.

Other Program Information: the Multi-Skilled Maintenance Technology program is related to the Industrial Electrical and Maintenance Mechanic Technology programs.

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5510 or (309) 694-5171

Multi-Skilled Maintenance Technology

REQUIRED GENERAL EDUCATION COURSES
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 201 Technical Communications 3 sem. hrs.
- MAT 106 Applied Algebra, Geometry and Trigonometry 4 sem. hrs.
- MATH 130 Technical Algebra and Trigonometry 5 sem. hrs.
- PHYS 104 Pre-Technical Physics 4 sem. hrs.
- ELCTK 150 Industrial Electricity 4 sem. hrs.
- ELCTK 151 Electrical Systems Troubleshooting 3 sem. hrs.
- ELCTK 215 Programmable Controllers 4 sem. hrs.
- ELCTS 131 Introduction to Basic Electricity 2 sem. hrs.
- ELCTS 132 Service Electronics-D.C. Circuits 2 sem. hrs.
- ELCTS 133 Service Electronics-A.C. Circuits 2 sem. hrs.
- MACTR 110 Print Reading-Mechanical 3 sem. hrs.
- MACTR 121 Machine Tool Operation I 3 sem. hrs.
- MECTK 149 Basic Power Transmission 2 sem. hrs.
- MECTK 150 Mechanical Systems I 2 sem. hrs.
- MECTK 151 Mechanical Systems II 2 sem. hrs.
- MECTK 152 Industrial Rigging 2 sem. hrs.
- MECTK 231 Industrial Fluid Power 3 sem. hrs.
- MECTK 252 Advanced Troubleshooting 3 sem. hrs.
- NCTK 212 CNC Machine Operation I 2 sem. hrs.
- WLDTR 133 Welding for Maintenance Mechanics 3 sem. hrs.

* Economics and Psychology are recommended as social science electives

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts
Total Credit Hours: 60-64

Program Information: student must successfully complete the following coursework before transferring 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 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, at high schools, and for special groups throughout the College district.

Program Accreditation: Illinois Central College is an accredited institutional member of the National Association of Schools of Music (NASM) at http://nasm.arts-accredit.org

Recommended Course Sequence:
First Semester (if needed for pre-program courses): MUS 136
First Semester: Applied Music; Performing Organization; MUS 110; MUS 170; MUSIC 180; ENGL 110; Mathematics; MUS 148

Second Semester: Applied Music; Performing Organization; MUS 171; MUS 181; ENGL 111; Life Science; PSY 110

Third Semester: Applied Music; Performing Organization; MUS 270, MUS 280; MUS 149; COMM 110; Social Science

Fourth Semester: Applied Music; Performing Organization; MUS 271; MUS 281; Physical Science; Humanities; Social Science

Admission to the Program: a score of 70% or better on music theory placement exam or successful completion of MUS 136

For Program Information Contact:
Arts and Communication Department, Room 124A, (309) 694-5113

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

Music

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MUS 148 Introduction to Jazz 3 sem. hrs.
- MUS 149 Introduction to Music Literature 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- Applied Music** 8 sem. hrs.
- One Performance Organization*** 4 sem. hrs.
- MUS 110 Class Piano I**** 2 sem. hrs.
- MUS 170 Harmony & Analysis I 3 sem. hrs.
- MUS 171 Harmony & Analysis II 3 sem. hrs.
- MUS 180 Musicianship I 1 sem. hr.
- MUS 181 Musicianship II 1 sem. hr.
- MUS 270 Harmony & Analysis III 3 sem. hrs.
- MUS 271 Harmony & Analysis IV 3 sem. hrs.
- MUS 280 Musicianship III 1 sem. hr.
- MUS 281 Musicianship IV 1 sem. hr.

* See specific requirements for Associate in Arts Degree (page 5).
** 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 two 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.

NOTE
To maximize musical skill development, each level of Harmony & Analysis, Musicianship, and Class Piano should be taken concurrently (ie.; MUS 110, 170, 180; MUS 111, 171, 181; MUS 210, 270, 280). If the student’s primary performance medium is piano, the Applied Piano number may be substituted (ie; MUS 117, 170, 180; MUS 118, 171, 181; MUS 217, 270, 280).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 68

Program Information: designed to prepare students for employment as network administrators. The network degree is designed to train students to install, configure, maintain, and troubleshoot network operating systems as well as how to install, configure, maintain and troubleshoot network connectivity devices. Focus is on Windows and Unix operating systems as well as Cisco switches and routers.

Recommended Course Sequence:
First Semester: CMCIS 151; CMNET 140; CMNET 150; English; Communication
Second Semester: CMCIS 152; CMNET 210; CMPSC 249; Social Science
Summer Session: Laboratory Science/Mathematics
Third Semester: CMCIS 153; CMNET 220; CMNET 230; Social Science; Humanities
Fourth Semester: CMCIS 154; CMNET 250; CMNET 270; CMCIS 157; Approved Elective

Admission to the Program: students are expected to be proficient in the use of the Windows operating systems. Proficiency may be exhibited by completing CMGEN 110 with a grade of “C” or better; or by department approval.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

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Network Administrator

REQUIRED GENERAL EDUCATION COURSES
- Communication* 3 sem. hrs.
- English* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Laboratory Science/Mathematics* 7 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CMCIS 151 Network Fundamentals 4 sem. hrs.
- CMCIS 153 LAN Switching 4 sem. hrs.
- CMCIS 154 WAN Communication 4 sem. hrs.
- CMCIS 157 CCNA Wireless 3 sem. hrs.
- CMNET 140 Windows Administration 3 sem. hrs.
- CMNET 150 Computer Hardware Infrastructure 3 sem. hrs.
- CMNET 210 Windows Server Administration 3 sem. hrs.
- CMNET 220 Network Infrastructure Administration 3 sem. hrs.
- CMNET 230 Directory Service Administration 3 sem. hrs.
- CMNET 250 Advanced Security Topics 3-4 sem. hrs.
- CMNET 270 Messaging Infrastructure Administration 3 sem. hrs.
- CMPSC 249 UNIX 3 sem. hrs.

ELECTIVE COURSES
- Approved Elective** 3 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** Approved Electives: Any CMNET, CMCIS, CMWEB, or CMPSC 115 or higher; or others with department approval.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 33-34

Program Information: designed to offer students a working knowledge of the principles, techniques, and skills to set up and maintain a networking environment. Individuals following this sequence of courses are preparing for employment or enhancement of their skills as a network technician or network administrator.

Recommended Course Sequence:
First Semester: CMNET 110; CMNET 130; CMNET 140; CMNET 150; CMNET 210
Second Semester: CMNET 160; CMNET 190; CMNET 220; CMNET 230; CMNET 250; CMNET 280

Admission to the Program: students are expected to be proficient in the use of the Windows operating system. Proficiency may be exhibited by completing CMGEN 110 with a grade of “C” or better or passing the CMGEN 110 Proficiency Exam.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Networking

REQUIRED PROGRAM COURSES

- CMNET 110 Network Concepts 3 sem. hrs.
- CMNET 130 Windows Command Line 3 sem. hrs.
- CMNET 140 Windows Administration 3 sem. hrs.
- CMNET 150 Computer Hardware Infrastructure 3 sem. hrs.
- CMNET 160 Introduction to Network Security 3 sem. hrs.
- CMNET 190 Wireless Networking 3 sem. hrs.
- CMNET 210 Windows Server Administration 3 sem. hrs.
- CMNET 220 Network Infrastructure Administration 3 sem. hrs.
- CMNET 230 Directory Service Administration 3 sem. hrs.
- CMNET 250 Advanced Security Topics 3-4 sem. hrs.
- CMNET 280 Firewall Administration 3 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
**CERTIFICATE PROGRAM**

**Total Credit Hours:** 6.5

**Program Information:** intended to provide entry level skills for those individuals seeking employment as a nurse assistant. Lecture/laboratory hours in addition to clinical experience are included in the program. The nurse assistant, under the direction and supervision of a registered nurse or LPN, functions as a member of the health care team in a nursing home, hospital or home health care setting. Theory and practical application in basic nursing skills, observation and reporting of client/resident signs and symptoms, safety and communication skills are presented. Coursework is taken at the Illinois Central College sites or other offsite locations. Scheduled clinical experience is provided in area long term care facilities or hospitals.

**Program Accreditation:** The Nursing Assistant Program is approved by the Illinois Department of Public Health. Graduates are eligible to take the Nurse Aide Competency Evaluation Program (NACEP) and become certified by the state of Illinois.

**Recommended Course Sequence:**
HLTH 041; HLTH 112; HLTH 116

**Admission to the Program:** score of 62 or higher on the COMPASS score reading criteria, verification of satisfactory health, completion of required immunizations, physical, drug screen, and background check.

**For Program Information Contact:**
Health Careers Department, Thomas Building, (309) 999-4601

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**Nursing Assistant**

**REQUIRED COURSES**
- HLTH 041 Basic Life Support (CPR) .5 sem. hr.
- HLTH 112 Basic Nurse Assistant Training Program (BNATP) 5 sem. hrs.
- HLTH 116 Nurse Assistant: Alzheimer’s Disease 1 sem. hr.

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For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours Required: 68-69

Program Information: the occupational therapy assistant collaborates with the supervising occupational therapist to provide the use of occupations (everyday life activities) with individuals and/or groups. These occupations include ADLs (activities of daily living), education, work, play, and social participation. OTA’s provide services that will affect health, well-being, and quality of life with clients impacted in areas of physical, cognitive, psychosocial and sensory dysfunction. OTA’s may be employed in diverse work settings including hospitals, skilled nursing facilities, out-patient programs, schools, community based health agencies, behavioral health programs, home health agencies, and more.


Recommended Course Sequence:
First Semester: BIOL 140; PSY 110; CHILD 120; OTA 110; OTA 114
Second Semester: PSY 220; HEOCC 200; OTA 111; OTA 112; OTA 118
Summer Session: COMM 110
Third Semester: ENGL 110; HEOCC 220; HEOCC 230; OTA 210; OTA 212; Mathematics/Laboratory Science
Fourth Semester: OTA 211; OTA 213; OTA 220; Humanities

Admission to the Program: high school graduate or equivalent placement test scores into ENGL 110 and READ 115 ACT composite score of 20 or above (18 or above if tested prior to Oct. 28, 1989) one year high school science with a “C” average or better one year of high school math with a “C” average or better at least a “C” average in courses taken at other colleges, in the case of transfer students minimum “C” average in courses you are transferring to ICC at least a “C” average in 18 or more semester hours of approved courses taken at ICC, for students not initially admissible to program including a course in reading and study skills 12 hours of documented observation in occupational therapy departments (in at least two different type settings) physical examination

To Remain In And Graduate From Program: “C” or better in BIOL 140 “C” or better in all OTA courses

High School Recommendations: 3 years of English 2 years of science 2 years of mathematics 1 year keyboarding 1 year art

For Program Information Contact:
Health Careers Department, Thomas Building, (309) 999-4600

Occupational Therapy Asst.

REQUIRED GENERAL EDUCATION COURSES
- Humanities* 3 sem. hrs.
- Mathematics/Laboratory Science* 3-4 sem. hrs.
- BIOL 140 Human Anatomy and Physiology** 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- PSY 220 Adulthood and Aging 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CHILD 120 Human Growth & Development 3 sem. hrs.
- HEOCC 200 Disease Processes in Man 3 sem. hrs.
- HEOCC 220 Legal Issues in Health Care 1 sem. hr.
- HEOCC 230 Health Care Organization & Resources 1 sem. hr.
- OTA 110 Foundations for the Occupational Therapy Assistant I 3 sem. hrs.
- OTA 111 Foundations for the Occupational Therapy Assistant I 5 sem. hrs.
- OTA 112 Psychosocial Dysfunction for the Occupational Therapy Assistant 3 sem. hrs.
- OTA 114 Therapeutic Media 4 sem. hrs.
- OTA 118 Functional Anatomy for the OTA 3 sem. hrs.
- OTA 210 Foundations for the Occupational Therapy Assistant III 4 sem. hrs.
- OTA 211 Foundations for the Occupational Therapy Assistant IV 4 sem. hrs.
- OTA 212 OTA Practice I 4 sem. hrs.
- OTA 213 OTA Practice II 6 sem. hrs.
- OTA 220 Management and Program Development 2 sem. hrs.

Underlined courses may be taken prior to admission into program.

* See specific requirements for the Associate in Applied Science Degree (page 8).
** BIOL 140 within 5 years of admission into the program with a “C” or better.

AOTA is located at 4720 Montgomery Lane, PO Box 31220, Bethesda, MD 20824-1220. Telephone number is (301) 652-AOTA. Graduates of the program will apply to be eligible to sit for the national certification exam for the OTA administered by the National Board for Certification in Occupational Therapy (NBCOT). For further information regarding national certification contact NBCOT at 800 S. Frederick Ave., Suite 500, Gaithersburg, MD 20877-4150, (301) 990-7979. After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). In addition, most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Credentialing is a function of the NBCOT, not Illinois Central College or the American Occupational Therapy Association.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 42

Program Information: designed to provide the experienced office employee with a background in business organization and operation, as well as management training necessary for advancement to supervisory positions in offices. The program is available to students who have at least two years of full-time office experience.

Recommended Course Sequence:
First Semester: OFOCC 111; OFACS 133; ENGL 110 or ENGL 125; BUS 120; MGMT 113
Second Semester: ACCTG 120; OFACS 132; MGMT 215; MGMT 205
Third Semester: ACCTG 121; OFOCC 210; MGMT 214; BUS 200; BUS 215

Admission to the Program: students are expected to be computer literate, to know the Windows operating system, and be able to touch type. If this is not the case, TYPE 120 and TYPE 121 are prerequisites for entering this program. Contact the Business, Hospitality, and Information Systems Department for information regarding the TYPE 120 placement exam and the TYPE 121 proficiency exam.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Office and Information Processing Management

REQUIRED COURSES
- ACCTG 120 Financial Accounting 4 sem. hrs.
- ACCTG 121 Managerial Accounting 4 sem. hrs.
- BUS 120 Business Mathematics 3 sem. hrs.
- BUS 200 Human Relations in Business 3 sem. hrs.
- BUS 215 Legal Environment of Business 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
or ENGL 125 Business Communications 3 sem. hrs.
- MGMT 113 Principles of Management 3 sem. hrs.
- MGMT 205 Personnel Management 3 sem. hrs.
- MGMT 214 Managing Technology in the Office 3 sem. hrs.
- MGMT 215 Office Management 3 sem. hrs.
- OFACS 132 Electronic Spreadsheets 3 sem. hrs.
- OFACS 133 Database Management Systems 3 sem. hrs.
- OFOCC 111 Telephone Skills for the Office 1 sem. hr.
- OFOCC 210 Administrative Office Procedures 3 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Office Professional

**REQUIRED GENERAL EDUCATION COURSES**
- Humanities* 3 sem. hrs.
- Laboratory Science/Mathematics* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- BUS 120 Business Mathematics 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

**REQUIRED PROGRAM COURSES**
- ACCTG 105 Bookkeeping/Accounting I 3 sem. hrs.
- OFACS 125 PowerPoint 1 sem. hr.
- OFACS 126 Outlook 1 sem. hr.
- OFACS 132 Electronic Spreadsheets 3 sem. hrs.
- OFACS 133 Database Management Systems 3 sem. hrs.
- OFACS 211 Integrated Office Projects 3 sem. hrs.
- OFOCC 111 Telephone Skills for the Office 1 sem. hr.
- OFOCC 114 Fundamentals of Transcription 3 sem. hr.
- OFOCC 151 Professional Development for Office Employees 3 sem. hrs.
- OFOCC 200 Machine Transcription & Specialized Terminology 2 sem. hrs.
- OFOCC 205 Fundamentals of Records Control 3 sem. hrs.
- OFOCC 210 Administrative Office Procedures 3 sem. hrs.
- TYPE 142 Typing Speed Development to 60 NWPM** 1 sem. hr.
- WP 122 Keyboarding/Word Processing III 4 sem. hrs.
- WP 161 Data Entry 1 sem. hr.

**ELECTIVE COURSES**
- Approved Electives*** 6 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** 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; MGMT 113, 214, 215; TYPE 143, 144, 145; WP 186

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 68

Program Information: The objective of this program is to produce competent, well-rounded individuals who are able to work under the supervision of an attorney in the many areas of 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, government agencies, insurance companies, title companies, and financial institutions.

Program Accreditation: The program has been approved by the American Bar Association.

Recommended Course Sequence:

First Semester:
- ENGL 110; CMGEN 120 or CMPSC 120; PRLGL 110; BUS 120 or Mathematics; Social Science
- BUS 120

Second Semester:
- ENGL 111; BUS 215; PRLGL 112; PRLGL 114; PRLGL 118

Third Semester:
- PRLGL 113; PRLGL 116; PRLGL 117; PRLGL 215; CRJ 225 or CRJ 226; Laboratory Science; PRLGL 159

Fourth Semester:
- RLST 230; PRLGL 115; PRLGL 260; Social Science; Humanities; Elective

Other Information: Students must attain a grade of “C” or higher in each PRLGL course (including equated transfer courses). All prerequisites to PRLGL courses must be satisfied with a grade of “C” or better. Students should complete an “Application for Degree/Certificate” after completing 45 or more of the above hours. The form is available in Enrollment Services, L211.

For Program Information Contact:
Public Services and Community Outreach Department, ICC North, (309) 690-7691

Paralegal

REQUIRED GENERAL EDUCATION COURSES

- Humanities**
- Laboratory Science***
- Social Science*
- Social Science*
- BUS 120 Business Mathematics
- Mathematics****
- ENGL 110 Composition I
- ENGL 111 Composition II
- ENGL 110 Composition II

REQUIRED PROGRAM COURSES

- BUS 215 Legal Environment of Business
- CMGEN 120 Computer Applications
- or CMPSC 120 Business Computer Systems
- CRJ 225 Criminal Law
- or CRJ 226 Criminal Law and Procedure
- PRLGL 110 Introduction to Paralegal
- PRLGL 112 Legal Research I
- PRLGL 113 Legal Research II
- PRLGL 114 Family Law
- PRLGL 115 Wills, Trusts and Estate Administration
- PRLGL 116 Civil Litigation
- PRLGL 117 Administrative Law
- PRLGL 118 Law Office Management
- PRLGL 159 Paralegal Pre-Internship
- PRLGL 215 Business Organization and Practice
- PRLGL 260 Paralegal Internship
- RLST 230 Real Estate Law, Real Property and Agency
- Elective*****

ELECTIVE COURSES

- Elective*****

* POLSC 115, 119 or PSY 110 recommended
** PHIL 111 or COMM 110 recommended
*** BIOL 111 or 140 recommended
**** MATH 110 or above
***** Liberal Arts courses as well as law related courses are recommended

NOTE

Computers are an important component to many aspects of this profession. The student should be familiar with the keyboard. If not, an additional class in keyboarding is recommended.

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 37

Program Information: designed for the student desiring training as a paralegal who has already completed a bachelor’s or associate’s degree. The objective of this program is to produce competent, well-rounded individuals who are able to work under the supervision of an attorney. 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. Students without a two- or four-year degree should enroll in the Paralegal Associate in Applied Science Degree.

Program Accreditation: approved by the American Bar Association.

Recommended Course Sequence:

First Semester: PRLGL 110; PRLGL 112; PRLGL 116; PRLGL 117; PRLGL 215, PRLGL 159
Second Semester: PRLGL 113; PRLGL 114; PRLGL 115; PRLGL 118; PRLGL 260; Approved Electives

Admission to the Program: a bachelor’s degree (4 years/undergraduate) or associate degree from an accredited college or university is required for admission to the program. A student must make application for admission to Illinois Central College and must submit an official transcript from the college or university granting the degree to the ICC Enrollment Services. A 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. A form is available from the Program Coordinator at the ICC North, Cedar Hall, Room C8, by calling (309) 690-7691 or online at http://paralegal.icc.edu. At least 30 percent of the total program of study must be completed at Illinois Central College. 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 course (including equated transfer courses). All prerequisites to PRLGL courses must be satisfied with a grade of “C” or better.

Other Information: students should complete an Application for Degree/Certificate during the next to last semester of study. A form is available in Enrollment Services, L211.

For Program Information Contact:
Public Services and Community Outreach Department, ICC North, (309) 690-7691.

Paralegal

REQUIRED COURSES

- PRLGL 110 Introduction to Paralegal 3 sem. hrs.
- PRLGL 112 Legal Research I 3 sem. hrs.
- PRLGL 113 Legal Research II 3 sem. hrs.
- PRLGL 114 Family Law 3 sem. hrs.
- PRLGL 115 Wills, Trusts and Estate Administration 3 sem. hrs.
- PRLGL 116 Civil Litigation 3 sem. hrs.
- PRLGL 117 Administrative Law 3 sem. hrs.
- PRLGL 118 Law Office Management 3 sem. hrs.
- PRLGL 159 Paralegal Pre-Internship 1 sem. hr.
- PRLGL 260 Paralegal Internship 3 sem. hrs.

ELECTIVE COURSES

- Approved Electives* 6 sem. hrs.

* Approved Electives: PRLGL 120; 121; 141; BUS 115, 116, 215; CRJ 111, 225, 226, 227, 230; CMPSC 120 or CMGEN 120; HLTH 121; RLST 230.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog.

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Paraprofessional Educator

REQUIRED GENERAL EDUCATION COURSES
- ART 110 Introduction to Art 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- EASC 111 Survey of Earth Science 4 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- MATH 190 Mathematical Reasoning for the Elementary Teacher I 3 sem. hrs.
- or MATH 200 Mathematics for Elementary Teachers I 4 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CHILD 120 Human Growth and Development 3 sem. hrs.
- or PSY 202 Child and Adolescent Development 3 sem. hrs.
- CHILD 231 Literature for Children 3 sem. hrs.
- EDUC 111 Introduction to American Education 3 sem. hrs.
- EDUC 211 Introduction to the Exceptional Individual 3 sem. hrs.
- EDUC 212 Field Experience in Education 2 sem. hrs.
- EDUC 230 Instructional Technology 3 sem. hrs.
- EDUC 235 Elementary Reading Instruction 3 sem. hrs.
- EDUC 250 Paraeducator Practicum Internship 4 sem. hrs.
- HUMSV 110 Introduction to Human Services 3 sem. hrs.
- HUMSV 111 Human Service Applications I 3 sem. hrs.
- PSY 200 Educational Psychology 3 sem. hrs.

ELECTIVE COURSES
- Electives* 10-11 sem. hrs.

*Recommended Electives: INTST 132 or INTST 133 or SOC 219; MATH 201; HUMSV 200; POLSC 115

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Paraprofessional Educator CERTIFICATE

REQUIRED GENERAL EDUCATION COURSES
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

REQUIRED PROGRAM COURSES
- CHILD 120 Human Growth and Development 3 sem. hrs.
- or PSY 202 Child and Adolescent Development
- CHILD 231 Literature for Children 3 sem. hrs.
- EDUC 111 Introduction to American Education 3 sem. hrs.
- EDUC 211 Introduction to the Exceptional Individual 3 sem. hrs.
- EDUC 212 Field Experience in Education 2 sem. hrs.
- EDUC 230 Instructional Technology 3 sem. hrs.
- EDUC 235 Elementary Reading Instruction 3 sem. hrs.
- MATH 190 Mathematical Reasoning 3 sem. hrs.
- or MATH 200 Mathematics for Elementary Teachers I 4 sem. hrs.
- PSY 200 Educational Psychology 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives* 6-8 sem. hrs.

* Approved Electives: CHILD 130; laboratory science; CHILD 140; DACT 105; PSY 225; EDUC 250

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 64-67

Program Information: 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.

Program Accreditation: Graduates will be able to sit for the ACE or NCF personal trainer examination.

Recommended Course Sequence:

First Semester: ENGL 110; MATH 110; PHYED 136; FCS 120; PHYED 205; Humanities
Second Semester: HLTH 150; PHYED 175; BIOL 140; COMM 110 or COMM 120; Social Science
Summer Semester 1: Social Science; PHYED 176
Third Semester: HLTH 120; CHEM 115; PHYED 116 or PHYED 236
Fourth Semester: Approved Electives; PHYED 276; PHYED 277

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.

For Program Information Contact: Physical Education Coordinator, Gymnasium, (309) 694-5502

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Personal/Fitness Trainer

REQUIRED GENERAL COURSES

- Humanities* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- CHEM 115 Foundations of Chemistry 4 sem. hrs.
- COMM 110 or COMM 120 Communication: Process and Practice or Interpersonal Communications 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- MATH 110 Concepts of Mathematics 3 sem. hrs.

REQUIRED PROGRAM COURSES

- BIOL 140 Human Anatomy and Physiology 4 sem. hrs.
- FCS 120 Principles of Nutrition 3 sem. hrs.
- HLTH 120 First Aid 2 sem. hrs.
- HLTH 150 Foundations of Health 3 sem. hrs.
- PHYED 116 Introduction to Recreation or PHYED 236 Scientific Basis of Human Movement 3 sem. hrs.
- PHYED 136 Foundations of Human Movement 3 sem. hrs.
- PHYED 175 Principles of Training 3 sem. hrs.
- PHYED 176 Exercise Testing, Prescription, and Design 3 sem. hrs.
- PHYED 205 Fitness and Wellness 2 sem. hrs.
- PHYED 276 Personal Training Field Experience 3 sem. hrs.
- PHYED 277 Physical Education Topics 1-3 sem. hrs.

ELECTIVE COURSES

- Approved Electives** 13 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** ACCTG 105; PHYED 116; PHYED 140, PHYED 145; PHYED 149; PHYED 162; PHYED 168; PHYED 169; PHYED 180; PHYED 181; PHYED 182; PHYED 183; PHYED 236

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Personal/Fitness Trainer

CERTIFICATE PROGRAM

Total Credit Hours: 30-32

Program Information: Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.

Program Accreditation: Upon successful completion, students will gain knowledge in individual and group exercise programs, and will work with populations of varying ability levels.

Program Information: 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.

Program Accreditation: Upon successful completion, students will be able to sit for the ACE or NCF personal trainer exam.

Recommended Course Sequence:

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

Second Semester: PHYED 236; HLTH 150; BUS 110; PHYED 176

Summer Semester 1: PHYED 276; PHYED 277

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.

For Program Information Contact: Physical Education Coordinator, Gymnasium (309) 694-5502

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: 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. A philosophy course 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.

Recommended Course Sequence:
First Semester: ENGL 110; PHIL 110; Social Science; Life Science; Elementary Foreign Language I
Second Semester: ENGL 111; PHIL 111; Social Science; Physical Science; Elementary Foreign Language II
Third Semester: COMM 110; PHIL 112; Social Science; Mathematics; Humanities Elective
Fourth Semester: PHIL 115; PHIL 116; Fine Arts; Humanities Elective

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5331

Philosophy

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science** 3 sem. hrs.
- Social Science** 3 sem. hrs.
- Social Science** 3 sem. hrs.
- Social Science** 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PHIL 110 Introduction to Philosophy 3 sem. hrs.
- PHIL 111 Logic 3 sem. hrs.

PROGRAM COURSES

- Elementary Foreign Language I 4 sem. hrs.
- Elementary Foreign Language II 4 sem. hrs.
- PHIL 112 Comparative Religions 3 sem. hrs.
- PHIL 115 Ethics 3 sem. hrs.
- PHIL 116 Philosophy of Religion 3 sem. hrs.

ELECTIVE COURSES

- Humanities Electives*** 6 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
** 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.

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.
CERTIFICATE PROGRAM

Total Credit Hours Required: 9-12

Program Information: 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. It consists of lecture, offered in a hybrid online delivery format, student laboratories, and a clinical phlebotomy practicum 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 exam.

Recommended Course Sequence:
BIOL 106 or BIOL 140; HEOCC 114 or MEDO 110; CLT 110; CLT 112

Admission to the Program: high school graduation or equivalent, 1 year high school biology or equivalent, tenth-grade reading level on the Gates Reading Comprehension Test (arrangements for test may be completed in room L220). Required high school biology must be completed with at least a grade of “C,” a physical examination, immunizations, criminal background check, and drug screen required following program acceptance.

To Remain In And Graduate From Program: “C” or better in all CLT and BIOL courses.

For Program Information Contact:
Health Careers Department, Thomas Building, (309) 999-4600 or 999-4601

Phlebotomist

REQUIRED COURSES

- BIOL 106 Human Biology* 4 sem. hrs.
  or BIOL 140 Human Anatomy & Physiology* 4 sem. hrs.
- CLT 110 Introduction to the Clinical Laboratory and Phlebotomy 2 sem. hrs.
- CLT 112 Phlebotomy Clinical Practicum 2 sem. hrs.
- HEOCC 114 Introduction to Interdisciplinary Health Care 1 sem. hr.
  or MEDO 110 Medical Assistant Administrative Skills 4 sem. hrs.

* Students must attain a “C” or higher to remain in and graduate from the certificate program.

Suggested additional courses: HLTH 121, COMM 110, PSY 110, and CMGEN 120

BIOL 106 or CLT 110 may be taken in the summer.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 19

Program Information: prepares individuals for entry-level employment in the design, installation, maintenance and troubleshooting of Solar Photovoltaic (PV) systems. An applicant for admission to this curriculum should have an interest in and/or working knowledge of electrical systems and enjoy working with their hands in an outdoor environment. The curriculum is very practical and incorporates significant hands-on experience.

Recommended Course Sequence:
First Semester: ELCTS 131; ELCTS 132; ELCTS 133; ELCTK 111; EERE 151; EERE 155
Second Semester: EERE 153; EERE 161; EERE 163; EERE 165; EERE 167

Admission to the Program: completion of MAT 094 or higher, with a grade of “C” or better or equivalent placement score.

Other Program Information: individual will be required to earn a certificate of completion for the OSHA Construction Safety Curriculum (OSHA 10 hour).

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5526

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Photovoltaic Installer

REQUIRED PROGRAM COURSES

- EERE 151 Basic Photovoltaic Systems 1 sem. hr.
- EERE 153 Principles of Residential Photovoltaic Site Assessment 1 sem. hr.
- EERE 155 Intermediate Photovoltaic (PV) Systems 2 sem. hrs.
- EERE 161 Photovoltaic (PV) System Installation 4 sem. hrs.
- EERE 163 Photovoltaic (PV) System Design 1 sem. hr.
- EERE 165 Photovoltaic (PV) Systems and the National Electrical Code (NEC) 1 sem. hr.
- EERE 167 Principles of Battery-based Photovoltaic (PV) Systems 1 sem. hr.
- ELCTK 111 Residential and Commercial Wiring 2 sem. hrs.
- ELCTS 131 Introduction of Basic Electricity 2 sem. hrs.
- ELCTS 132 Service Electronics-D.C. Circuits 2 sem. hrs.
- ELCTS 133 Service Electronics-A.C. Circuits 2 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

Program Information: 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.

Recommended Course Sequence:

First Semester: ENGL 110; PHYED 136; PSY 110; HLTH 120; FCS 110; POLSC 115

Second Semester: ENGL 111; HLTH 150; MATH 110; Fine Arts; Physical Science;

Third Semester: COMM 110; BIOL 205; PHYED 210; SOC 110; Humanities

Fourth Semester: MATH 111; EDUC 111; BIOL 206; PHYED 236; Humanities/Fine Arts

Admission to the Program: 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 Department.

For Program Information Contact

Physical Education Coordinator, CougarPlex (309) 694-5502

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours Required: 69

Program Information: physical therapist assistant is a skilled technical health worker who performs the selected physical therapy procedures and related tasks under the direction and supervision of a physical therapist. Students take their coursework on the ICC campuses. All program courses are in the Thomas Building, 201 S.W. Adams, Peoria, or clinical sites. Planned, supervised clinical experiences are provided in area hospitals and health care facilities.

Program Accreditation: Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA 22314, (703) 684-2782 ext. 3245 or 1-800-999-2782, ext. 3245. www.apta.org

Recommended Course Sequence:

Previous Semester (if needed for pre-program courses): PHTA 114; BIOL 140

First Semester 1: ENGL 110; PSY 110; HLTH 121; PHTA 112; PHTA 115; PHTA 116

Second Semester 1: HEOCC 200; PHTA 216; PHTA 118; PHTA 130; Mathematics

Third Semester 1: PHTA 216; PHTA 218; PHTA 230

Fourth Semester 1: PHTA 220; PHTA 222; PHTA 232; Humanities

Admission to the Program: high school graduate or equivalent. Placement test scores into ENGL 110 and READ 115 ACT composite score of 20 or above (18 or above if tested prior to Oct. 28, 1989) 1 year high school chemistry or CHEM 115 (“C” or better) 1 year high school mathematics minimum “C” average in courses you are transferring to ICC. Minimum “C” average in 18 or more approved semester hours taken at ICC including a course in reading, and study skills; and completion of math and science courses if not taken in high school (for students not initially admissible to program) 20 hours of documented observation in 2 physical therapy departments. Physical examination.

To Remain In And Graduate From Program: “C” or better in all required general education and required program courses.

High School Recommendations: 3 years English ■ 1 year Biology ■ 1 year Chemistry ■ 2 years Mathematics

College Course Recommendations: READ 115; HEOCC 111; BIOL 205; BIOL 206; PHTA 100

For Program Information Contact: Health Careers Department, Thomas Building, (309) 999-4600

Physical Therapist Assistant

REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- BIOL 140 Human Anatomy and Physiology** 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- PSY 202 Child and Adolescent Development 3 sem. hrs.

REQUIRED PROGRAM COURSES

- HLTH 121 Medical Terminology*** 2 sem. hrs.
- HEOCC 200 Disease Processes in Man 3 sem. hrs.
- HEOCC 230 Health Care Organization and Resources 1 sem. hr.
- PHTA 112 Introduction to Physical Therapy 1 sem. hr.
- PHTA 114 Fund. for the Physical Therapist Assistant I 2 sem. hrs.
- PHTA 115 Fund. for the Physical Therapist Assistant II 4 sem. hrs.
- PHTA 116 Functional Anatomy 4 sem. hrs.
- PHTA 118 Fund. for the Physical Therapist Assistant III 5 sem. hrs.
- PHTA 130 Clinical I 1 sem. hr.
- PHTA 216 Fund. for the Physical Therapist Assistant IV 3 sem. hrs.
- PHTA 218 Fund. for the Physical Therapist Assistant V 5 sem. hrs.
- PHTA 220 Fund. for the Physical Therapist Assistant VI 4 sem. hrs.
- PHTA 222 Clinical Seminar 2 sem. hrs.
- PHTA 230 Clinical II 2 sem. hrs.
- PHTA 232 Clinical III 4 sem. hrs.
- PSY 220 Adulthood and Aging 3 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).
** BIOL 140 or BIOL 205/BIOL 206 within 5 years of admission into program with a “C” or better.
*** Must be completed by the end of the first fall semester.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
### Transfer Program

**Degree:** Associate in Science  
**Total Credit Hours:** 60-64

**Program Information:** 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. 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.

**Recommended Course Sequence:**

- **First Semester:** CHEM 130; MATH 222; ENGL 110; Life Science
- **Second Semester:** CHEM 132; MATH 223; ENGL 111; Social Science; PHYS 211
- **Third Semester:** PHYS 212; MATH 224; Social Science; Humanities; Fine Arts
- **Fourth Semester:** PHYS 213; PHYS 214; MATH 230; MATH 250; COMM 110; Humanities/Fine Arts; Social Science

**For Program Information Contact:**
Math, Science, and Engineering Department, Room 320B, (309) 694-5365

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**Physics**

**REQUIRED GENERAL EDUCATION COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fine Arts*</td>
<td>3 sem. hrs.</td>
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<tr>
<td></td>
<td>Humanities*</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td></td>
<td>Humanities/Fine Arts*</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td></td>
<td>Life Science*</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td></td>
<td>Social Science*</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td></td>
<td>Social Science*</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>CHEM 130</td>
<td>General Chemistry</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>COMM 110</td>
<td>Communication: Process and Practice</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>Composition I</td>
<td>3 sem. hrs.</td>
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<td>ENGL 111</td>
<td>Composition II</td>
<td>3 sem. hrs.</td>
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<tr>
<td>MATH 222</td>
<td>Calculus and Analytic Geometry I</td>
<td>5 sem. hrs.</td>
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<tr>
<td>MATH 223</td>
<td>Calculus and Analytic Geometry II</td>
<td>4 sem. hrs.</td>
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**PROGRAM COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 132</td>
<td>General Chemistry</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>MATH 224</td>
<td>Calculus and Analytic Geometry III</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>MATH 230</td>
<td>Linear Algebra</td>
<td>3 sem. hrs.</td>
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<tr>
<td>MATH 250</td>
<td>Differential Equations</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>Engineering Physics: Mechanics</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>PHYS 212</td>
<td>Engineering Physics: Electricity and Magnetism</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>PHYS 213</td>
<td>Engineering Physics: Thermodynamics</td>
<td>2 sem. hrs.</td>
</tr>
<tr>
<td>PHYS 214</td>
<td>Engineering Physics: Modern Physics</td>
<td>2 sem. hrs.</td>
</tr>
</tbody>
</table>

* See specific requirements for Associate in Science Degree (page 6).

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog. Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
Political Science

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities** 3 sem. hrs.
- Humanities/Fine Arts** 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- POLSC 115 American National Government 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

PROGRAM COURSES

- POLSC 119 State and Local Government 3 sem. hrs.
- POLSC 120 Political Methods and Concepts 3 sem. hrs.
- POLSC 122 Introduction to International Relations 3 sem. hrs.
  or POLSC 124 Comparative Political Systems 3 sem. hrs.

ELECTIVE COURSES

- Electives*** 11-14 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
** 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

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study."
Pre-Chiropractic

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- BIOL 205 Principles of Human Anatomy and Physiology I 4 sem. hrs.
- CHEM 130 General Chemistry 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 120 College Trigonometry 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

REQUIRED PROGRAM COURSES

- BIOL 206 Principles of Human Anatomy and Physiology II 4 sem. hrs.
- BIOL 210 Microbiology 4 sem. hrs.
- CHEM 132 General Chemistry 4 sem. hrs.
- CHEM 220 Organic Chemistry 5 sem. hrs.
- PHYS 120 General Physics 5 sem. hrs.
- PHYS 121 General Physics 5 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

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; a student should carefully consider the recommended electives as well.

Recommended Course Sequence:
First Semester: ENGL 110; COMM 110; POLSC 115; HIST 201; Physical Science
Second Semester: ENGL 111; ECON 110; POLSC 122 or POLSC 124; HIST 202; Life Science
Third Semester: ACCTG 120; POLSC 119; Mathematics; Fine Arts; Elective
Fourth Semester: PHIL 111; POLSC 122 or POLSC 124; HIST 112; Elective

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5331

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

Pre-Law

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Life Science** 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- HIST 112 Modern World Civilizations 4 sem. hrs.
- HIST 202 American History Since 1877 3 sem. hrs.
- PHIL 111 Logic 3 sem. hrs.
- POLSC 115 American National Government 3 sem. hrs.

PROGRAM COURSES

- ACCTG 120 Financial Accounting 4 sem. hrs.
- HIST 201 American History to 1877 3 sem. hrs.
- POLSC 119 State and Local Government 3 sem. hrs.
- POLSC 122 Introduction to International Relations 3 sem. hrs.
- POLSC 124 Comparative Political Systems 3 sem. hrs.

ELECTIVE COURSES

- Approved Electives*** 6 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
** 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

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
TRANSFER PROGRAM
Degree: Associate in Science
Total Credit Hours: 60-64
Program Information: suggested courses are those that are required to be completed before a student sits for the MCAT and DAT. 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.

Recommended Course Sequence:
First Semester: MATH 222; CHEM 130; BIOL 160; ENGL 110
Second Semester: MATH 223 or MATH 211; CHEM 132; BIOL 161; ENGL 111; Fine Arts
Summer Semester: Humanities
Third Semester: COMM 110; CHEM 220; PHYS 120; PSY 110 or SOC 110
Fourth Semester: CHEM 230; PHYS 121; Social Science; Social Science; Humanities

For Program Information Contact:
Math, Science, and Engineering Department, Room 320B, (309) 694-5365

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.
Pre-Pharmacy

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3-4 sem. hrs.
- Social Science* 3 sem. hrs.
- BIOL 160 Bioprinicples I 4 sem. hrs.
- CHEM 130 General Chemistry 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 110 Principles of Microeconomics 3 sem. hrs.
- ECON 111 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.
- MATH 223 Calculus and Analytic Geometry II 4 sem. hrs.
- or MATH 211 Statistical Analysis
- SOC 110 An Introduction to Sociology 3 sem. hrs.
- or PSY 110 Introduction to Psychology

REQUIRED PROGRAM COURSES

- BIOL 161 Bioprinicples II 4 sem. hrs.
- BIOL 205 Principles of Human Anatomy and Physiology I 4 sem. hrs.
- BIOL 206 Principles of Human Anatomy and Physiology II 4 sem. hrs.
- CHEM 132 General Chemistry 4 sem. hrs.
- CHEM 220 Organic Chemistry 5 sem. hrs.
- PHYS 120 General Physics 5 sem. hrs.
- PHYS 121 General Physics 5 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

Program Information: designed for the student who 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.

Recommended Course Sequence:
First Semester: BIOL 160; CHEM 130; ENGL 110; AGRI 110; Mathematics
Second Semester: BIOL 161; CHEM 132; ENGL 111; Humanities; Mathematics
Third Semester: CHEM 220; PHYS 120; COMM 110; Social Science; Fine Arts
Fourth Semester: CHEM 230; PHYS 121; PSY 110; Social Science; Humanities/Fine Arts

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 118, (309) 694-5171 or Math, Science, and Engineering Department, Room 320B, (309) 694-5365

Pre-Veterinary

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- BIOL 160 Bioprinciples I 4 sem. hrs.
- CHEM 130 General Chemistry 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.

PROGRAM COURSES

- BIOL 161 Bioprinciples II 4 sem. hrs.
- CHEM 132 General Chemistry 4 sem. hrs.
- CHEM 220 Organic Chemistry 5 sem. hrs.
- PHYS 120 General Physics 5 sem. hrs.
- PHYS 121 General Physics 5 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).
# Psychology

**REQUIRED GENERAL EDUCATION COURSES**

- Biology*** 4 sem. hrs.
- Fine Arts** 3 sem. hrs.
- Social Science* 3 sem. hrs.
- CHEM 110 Chemistry and Society 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 115 College Algebra 3 sem. hrs.
- MATH 134 Finite Math 4 sem. hrs.
- PHIL 110 Introduction to Philosophy 3 sem. hrs.
- PHIL 111 Logic 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

**PROGRAM COURSES**

- BIOL 150 Genetics 3 sem. hrs.
- PSY 202 Child and Adolescent Development 3 sem. hrs.
  or PSY 112 Personality
- PSY 210 Human Social Behavior 3 sem. hrs.
  or SOC 218 Introduction to Social Psychology
- PSY 250 Introduction to Research Methods in the Behavioral Sciences 3 sem. hrs.

**ELECTIVE COURSES**

- Elective 2 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).


*** Biology: Choose BIOL 111 and 140 or BIOL 205 and 206.
**Radiographer**

### REQUIRED GENERAL EDUCATION COURSES
- Humanities*  **  3 sem. hrs.
- BIOL 140  Human Anatomy & Physiology**  4 sem. hrs.
- ENGL 110  Composition I**  3 sem. hrs.
- ENGL 111  Composition II**  3 sem. hrs.
- or COMM 110  Communication: Process and Practice**  3 sem. hrs.
- MATH 115  College Algebra**  3 sem. hrs.
- PSY 110  Introduction to Psychology**  3 sem. hrs.
- SOC 110  An Introduction to Sociology**  3 sem. hrs.

### REQUIRED PROGRAM COURSES
- HEOCC 200  Disease Processes in Man**  3 sem. hrs.
- HEOCC 220  Legal Issues in Health Care**  1 sem. hr.
- HLTH 121  Medical Terminology  2 sem. hrs.
- RADTK 110  Fundamentals of Radiography I  6 sem. hrs.
- RADTK 112  Fundamentals of Radiography, Directed Practice Orientation  1 sem. hr.
- RADTK 120  Fundamentals of Radiography II  6 sem. hrs.
- RADTK 121  Fundamentals of Radiography, Directed Practice I  3 sem. hr.
- RADTK 150  Basic Principles of Computed Tomography  1 sem. hrs.
- RADTK 200  Radiography I  3 sem. hrs.
- RADTK 201  Fundamentals of Radiography, Directed Practice II  2 sem. hrs.
- RADTK 210  Radiography II  6 sem. hrs.
- RADTK 211  Radiography, Directed Practice III  4 sem. hrs.
- RADTK 220  Radiography III  6 sem. hrs.
- RADTK 221  Radiography, Directed Practice IV  3 sem. hrs.
- RADTK 230  Radiography IV  2 sem. hrs.
- RADTK 231  Radiography, Directed Practice V  2 sem. hrs.

* PHIL 113 is recommended.

A registered radiographer who has previously graduated from a JRCERT accredited hospital-based radiography program may complete an Associate in Applied Science Degree by completing 29 semester hours of courses. Courses listed below are in addition to those designated above with a double asterisk (**). 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. A maximum of 43 semester hours will be awarded for approved radiography courses.

- HEOCC 230  Health Care Organization & Resources  1 sem. hr.
- HLTH 120  First Aid  2 sem. hrs.
- or HLTH 121  Medical Terminology

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Real Estate

REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- Laboratory Science/Mathematics* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- BUS 120 Business Mathematics 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ECON 105 Survey of Economic Principles 3 sem. hrs.
- or ECON 110 Principles of Macroeconomics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.

REQUIRED PROGRAM COURSES

- ACCTG 105 Bookkeeping/Accounting I 3 sem. hrs.
- BUS 112 Introduction to Business Careers 1 sem. hr.
- BUS 151 Job Orientation 2 sem. hrs.
- BUS 200 Human Relations in Business 3 sem. hrs.
- CMGEN 120 Computer Applications 3 sem. hrs.
- or CMPSC 120 Business Computer Systems 3 sem. hrs.
- MGMT 113 Principles of Management 3 sem. hrs.
- MKTG 112 Principles of Marketing 3 sem. hrs.
- MKTG 201 Sales 3 sem. hrs.
- RLST 135 Principles of Real Estate 3 sem. hrs.
- RLST 150 Real Estate Management and Supervision 1 sem. hr.
- RLST 151 Applied Real Estate Practices 1 sem. hr.
- RLST 152 Applied Real Estate Management and Supervision 1 sem. hr.
- RLST 230 Real Estate Law, Real Property and Agency 3 sem. hrs.
- RLST 231 Real Estate License Law, Agency, and Transactions 1 sem. hr.
- RLST 233 Real Estate Operations, Escrow, and Management 3 sem. hrs.
- RLST 236 Residential Appraising 3 sem. hrs.
- RLST 238 Residential Appraising Procedures 2 sem. hrs.
- RLST 239 Uniform Standards of Professional Appraisal Practice 1 sem. hr.

* See specific requirements for Associate in Applied Science Degree (page 8).

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 31

Program Information: designed for individuals contemplating employment in the real estate field or for those currently employed who want to improve their skills and knowledge in this specialization. The program contains all coursework required by the State of Illinois Department of Registration and Education to enable the student to take the Real Estate Broker’s and Managing Broker’s licensing examinations. The program is designed to facilitate employment in entry-level positions in real estate, including positions in savings and loan associations, insurance offices, real estate agencies, abstract and title companies, tax assessor’s offices, various public positions and other jobs in the private sector. Individuals interested in obtaining an Associate in Applied Science degree with emphasis on real estate should discuss their interests with the coordinator of Real Estate.

Recommended Course Sequence:
First Semester: ENGL 110 or ENGL 125; BUS 112; BUS 120; RLST 135; RLST 150; RLST 230
Second Semester: BUS 151; RLST 236; Electives; RLST 231; RLST 151; RLST 233; RLST 152

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Real Estate

Required Courses
- BUS 112 Introduction to Business Careers 1 sem. hr.
- BUS 120 Business Mathematics 3 sem. hrs.
- BUS 151 Job Orientation 2 sem. hrs.
- ENGL 110 Composition I or ENGL 125 Business Communication 3 sem. hrs.
- RLST 135 Principles of Real Estate 3 sem. hrs.
- RLST 150 Real Estate Management and Supervision 1 sem. hr.
- RLST 151 Applied Real Estate Practices 1 sem. hr.
- RLST 152 Applied Real Estate Management and Supervision 1 sem. hr.
- RLST 230 Real Estate Law, Real Property and Agency 3 sem. hrs.
- RLST 231 Real Estate License Law, Agency, and Transactions 1 sem. hr.
- RLST 233 Real Estate Operations, Escrow, and Management 3 sem. hrs.
- RLST 236 Residential Appraising 3 sem. hrs.
- Electives* 6 sem. hrs.

* Recommended Electives: ACCTG 120; BUS 115, 116, 200, 260; CMGEN 120, RLST 260.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Registered Nurse

REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- BIOL 205 Principles of Human Anatomy & Physiology I** 4 sem. hrs.
- BIOL 206 Principles of Human Anatomy & Physiology II** 4 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES

- BIOL 210 Microbiology** 4 sem. hrs.
- FCS 110 Basic Nutrition 3 sem. hrs.
- FCS 120 Principles of Nutrition 3 sem. hrs.
- HLTH 121 Medical Terminology 2 sem. hrs.
- RNRS 110 Nursing I 6 sem. hrs.
- RNRS 111 Pharmacology for Nurses 2 sem. hrs.
- RNRS 120 Nursing II 6 sem. hrs.
- RNRS 150 Principles of Safe Medication Administration 1 sem. hrs.
- RNRS 210 Health Assessment of Adult Patient 2 sem. hrs.
- RNRS 220 Nursing III 10 sem. hrs.
- RNRS 221 Nursing IV 10 sem. hrs.
- RNRS 222 Nursing Management and Leadership 2 sem. hrs.

NOTE

To receive a “C” or better grade, the student must (1) maintain a grade average of 75% or better; (2) demonstrate satisfactory clinical performance and meet all clinical requirements in each course with a clinical practicum and (3) meet all course requirements within specified time limits.

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
**Respiratory Therapist**

### REQUIRED GENERAL EDUCATION COURSES
- **Humanities**  
  - ENGL 110: Composition I  
  - ENGL 111 or COMM 110: Communication: Process and Practice  
  - PSY 110: Introduction to Psychology  
  - SOC 110: An Introduction to Sociology  
  - Minimum 3 sem. hrs.

### REQUIRED PROGRAM COURSES
- **HEOCC 114**: Introduction to Interdisciplinary Healthcare  
  - 1 sem. hr.
- **HLTH 108**: Electrocardiogram Interpretation  
  - 1 sem. hr.
- **HLTH 121**: Medical Terminology  
  - 2 sem. hr.
- **RESP 110**: Introduction to Respiratory Care  
  - 1 sem. hr.
- **RESP 112**: Fundamentals of Respiratory Care I  
  - 4 sem. hr.
- **RESP 115**: Respiratory Care Practicum I  
  - 3 sem. hr.
- **RESP 121**: Fundamentals of Respiratory Care II  
  - 5 sem. hr.
- **RESP 122**: Cardiopulmonary Anatomy & Physiology  
  - 2 sem. hr.
- **RESP 123**: Pharmacology for Respiratory Care  
  - 2 sem. hr.
- **RESP 125**: Respiratory Care Practicum II  
  - 3 sem. hr.
- **RESP 127**: Cardiopulmonary Diseases  
  - 3 sem. hr.
- **RESP 201**: Introduction to Mechanical Ventilation  
  - 1 sem. hr.
- **RESP 210**: Fundamentals of Respiratory Care III  
  - 5 sem. hr.
- **RESP 220**: Respiratory Care Practicum III  
  - 3 sem. hr.
- **RESP 231**: Fundamentals of Respiratory Care IV  
  - 4 sem. hr.
- **RESP 235**: Respiratory Care Practicum IV  
  - 3 sem. hr.
- **RESP 240**: Respiratory Therapy Capstone  
  - 1 sem. hr.

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

* See specific requirements for Associate in Applied Science Degree (page 8).

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**Note**

HEOCC 111 – Introduction to Health Careers is a recommended college course.

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For the most up-to-date program requirements, go online to the College catalog: [www.icc.edu/catalog](http://www.icc.edu/catalog)

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Restaurant Management

REQUIRED GENERAL EDUCATION COURSES

- Economics** 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Laboratory Science/Mathematics* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- BUS 120 Business Mathematics 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 125 Communication: Process and Practice 3 sem. hrs.

REQUIRED PROGRAM COURSES

- BUS 215 Legal Environment of Business 3 sem. hrs.
- CA 150 Professional Cooking 3 sem. hrs.
- CA 151 Advanced Sanitation and Safety 3 sem. hrs.
- CA 211 Foodservice Marketing 3 sem. hrs.
- CA 212 Foodservice Cost Control 4 sem. hrs.
- CA 213 Beverage Management 3 sem. hrs.
- CA 214 Front of the House 3 sem. hrs.
- CA 215 Foodservice Nutrition and Menu Writing 3 sem. hrs.
- CA 216 Introduction to Catering 3 sem. hrs.
- CA 225 Internship in Culinary Arts 3 sem. hrs.
- CMGEN 120 Computer Applications 3 sem. hrs.
- HLTH 120 First Aid 2 sem. hrs.
- HOS 110 Introduction to Hospitality Management 3 sem. hrs.
- MGMT 205 Personnel Management 3 sem. hrs.

* See specific requirements for Associate in Applied Science Degree (page 8).
** ECON 105, 110, or 111
CERTIFICATE PROGRAM

Total Credit Hours: 25

Program Information: designed to provide the students with a background in business organization and operations, as well as management training necessary for advancement to supervisory positions in small businesses. Successful completion of this certificate program can lead to an associate degree in Management.

Recommended Course Sequence:
First Semester: ENGL 110; ACCTG 105 or ACCTG 120; MGMT 113; MGMT 205
Second Semester: MGMT 216; CMGEN 120; BUS 120; MKTG 112

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Small Business Management

REQUIRED COURSES

- ACCTG 105 Bookkeeping/Accounting I 3-4 sem. hrs.
- or ACCTG 120 Financial Accounting
- BUS 120 Business Mathematics 3 sem. hrs.
- CMGEN 120 Computer Applications 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- MGMT 113 Principles of Management 3 sem. hrs.
- MGMT 205 Personnel Management 3 sem. hrs.
- MGMT 216 Small Business Management 3 sem. hrs.
- MKTG 112 Principles of Marketing 3 sem. hrs.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Arts

Total Credit Hours: 60-64

Program Information: social work course 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.

Recommended Course Sequence:
First Semester: ENGL 110; BIOL 111; SOC 110; Humanities
Second Semester: ENGL 111; PSY 110; SOCWK 220; Physical Science; Fine Arts
Third Semester: PSY 202; SOC 114; COMM 110; Mathematics; Humanities/Fine Arts
Fourth Semester: SOC 120; SOC 218; SOC 219; SSC 115; Sociology Elective; Psychology Elective

For Program Information Contact:
Social Sciences Department, Room 220D, (309) 694-5331

Social Work

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 4 sem. hrs.
- BIOL 111 The Biology of Man 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOCWK 220 Introduction to Social Work 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.
- SOC 114 Social Problems 3 sem. hrs.

PROGRAM COURSES

- Psychology Elective*** 3 sem. hrs.
- Sociology Elective** 3 sem. hrs.
- PSY 202 Child and Adolescent Development 3 sem. hrs.
- SOC 120 Marriage and the Family 3 sem. hrs.
- SOC 218 Introduction to Social Psychology 3 sem. hrs.
- SOC 219 The Sociology of Race and Ethnicity in America 3 sem. hrs.
- SOCWK 220 Introduction to Social Work 3 sem. hrs.
- SSC 115 Leadership and Community Service 2 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).
** 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.

Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
Sociology

REQUIRED GENERAL EDUCATION COURSES

- Fine Arts* 3 sem. hrs.
- Humanities** 3 sem. hrs.
- Humanities/Fine Arts** 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 3-4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.
- SOC 114 Social Problems 3 sem. hrs.

PROGRAM COURSES

- ECON 110 Principles of Macroeconomics 3 sem. hrs.
- PSY 220 Adulthood and Aging 3 sem. hrs.
- SOC 120 Marriage and the Family 3 sem. hrs.
- SOC 213 Introduction to Cultural Anthropology 3 sem. hrs.
- SOC 218 Introduction to Social Psychology 3 sem. hrs.

ELECTIVE COURSES

- Electives* 4 sem. hrs.

* See specific requirements for Associate in Science Degree (page 6).

** Recommended Humanities: INTST 132, 133; PHIL 110.
CERTIFICATE PROGRAM

Total Credit Hours: 34

Program Information: provides student with enough skills to be employed into this field after completing this program, the graduate will go to work as an entry-level technician in the following job classifications: solar domestic water and solar space heating installers, repair and maintenance, designers, and sales. Course includes extensive laboratory experience as well as lectures. Students must complete basic skills placement testing before admission into this program.

Recommended Course Sequence:
First Semester: REACT 110; REACT 111; REACT 118
Second Semester: EERE 120; EERE 121; REACT 112; REACT 113; ARCTK 119
Summer Session: EERE 122
Third Semester: EERE 123; GRBCR 150
Fourth Semester: EERE 124; GRBE 120

Admission to the Program: 1 year of high school algebra or MAT 094 with a grade of "C" or better

For Program Information Contact: Agricultural and Industrial Technologies Department, Dirksen Building, Room 09, (309) 694-8566

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
TRANSFER PROGRAM

Degree: Associate in Science

Total Credit Hours: 60-64

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 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.

Recommended Course Sequence:
First Semester: MATH 222; ENGL 110; Physical Science; Social Science
Second Semester: MATH 223; MATH 211; ENGL 111; Social Science; MATH 122
Third Semester: MATH 224; COMM 110; Social Science; Humanities/Fine Arts; Fine Arts
Fourth Semester: MATH 230; ENGR 230 or CMPSC 125; ENGR 230 or CMPSC 125; Life Science; Humanities

For Program Information Contact:
Math, Science, and Engineering Department, Room 320B, (309) 694-5365

Courses listed here are recommended for an Associate in Science Degree with an emphasis in this program of study.

Statistics

GENERAL EDUCATION COURSES
- Fine Arts* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Physical Science* 4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- MATH 211 Statistical Analysis 4 sem. hrs.
- MATH 222 Calculus and Analytic Geometry I 5 sem. hrs.

PROGRAM COURSES
- MATH 122 Discrete Mathematics I 3 sem. hrs.
- MATH 223 Calculus and Analytic Geometry II 4 sem. hrs.
- MATH 224 Calculus and Analytic Geometry III 4 sem. hrs.
- MATH 230 Linear Algebra 3 sem. hrs.

ELECTIVE COURSES
- ENGR 230 Programming Engineering Applications 3 sem. hrs.
  or CMPSC 125 CS I: Programming in C++

* See specific requirements for Associate in Science Degree (page 6).
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours Required: 65

Program Information: working closely with surgeons and registered nurses, a surgical technologist functions as a member of the surgical team in the surgical suite. Theory and practical application in aseptic technique, environmental control, patient care, supplies, equipment and surgical procedures are presented. Students complete their coursework on the ICC campus. Planned operating room experiences are provided in area hospitals. Graduates are eligible to write the national certifying exam for surgical technologists to become a Certified Surgical Technologist (CST).

Program Accreditation: Commission on Accreditation of Allied Health Education Programs in cooperation with the Accreditation Review Committee for Surgical Technologists (ARC-ST)

Recommended Course Sequence:
First Semester: SURTK 120; BIOL 205; HLTH 110; HLTH 121; ENGL 110
Second Semester: SURTK 121; BIOL 206; SURTK 130; HEOCC 114; COMM 110;
Summer Session: SURTK 122
Third Semester: SURTK 210; BIOL 210
Fourth Semester: SURTK 211; SOC 110; PSY 110; Humanities

Admission to the Program: high school graduate or equivalent. Placement scores into ENGL 110 and READ 115. ACT composite score of 18 or above (16 or above if tested before Oct. 28, 1989). 1 year high school biology or equivalent (“C” or better). Minimum “C” average in courses you are transferring to ICC. Minimum “C” average in 18 or more approved semester hours taken at ICC (for students not initially admissible to program). Physical examination.

To Remain In And Graduate From Program: “C” or better in all BIOL and SURTK courses

High School Recommendations: 4 years
English/speech 2 years mathematics 3 years biological science

Other Program Information: Suggested Supplemental Courses – HEOCC 111; HEOCC 200; HEOCC 230; PSY 115; PSY 116; PSY 117; PSY 119

For Program Information Contact:
Health Careers Department
Thomas Building, (309) 999-4600

Surgical Technologist

REQUIRED GENERAL EDUCATION COURSES

- Humanities* 3 sem. hrs.
- BIOL 205 Principles of Human Anatomy and Physiology I 4 sem. hr.
- BIOL 206 Principles of Human Anatomy and Physiology II 4 sem. hr.
- BIOL 210 Microbiology 4 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- SOC 110 An Introduction to Sociology 3 sem. hrs.

REQUIRED PROGRAM COURSES

- HEOCC 114 Introduction to Interdisciplinary Health Care 1 sem. hr.
- HLTH 110 Fundamentals of Sterile Processing 2 sem. hrs.
- HLTH 121 Medical Terminology 2 sem. hrs.
- SURTK 120 Introduction to Surgical Technology 4 sem. hrs.
- SURTK 121 Fundamentals of Surgical Technology I 7 sem. hrs.
- SURTK 122 Fundamentals of Surgical Technology II 6 sem. hrs.
- SURTK 130 Pharmacology for the Surgical Technologist 1 sem. hr.
- SURTK 210 Fundamentals of Surgical Technology III 8 sem. hrs.
- SURTK 211 Advanced Fundamentals of Surgical Technology 7 sem. hrs.

Underlined courses may be taken prior to admission into program. * See specific requirements for the Associate in Applied Science Degree (page 8).

If you are a surgical technologist and have graduated from an ARC-ST accredited surgical technology program, you may enroll in this program to complete your Associate in Applied Science Degree. Transcripts must be evaluated and SURTK 250 may be substituted for SURTK 211. If SURTK 250 is substituted for SURTK 211, a minimum of 65 credit hours must be completed to graduate from the AAS program.

NOTE

Students are advised to complete all BIOL courses prior to first SURTK course.
CERTIFICATE PROGRAM

Total Credit Hours Required: 49

Program Information: students complete their coursework on the ICC campus ■ planned operating room experiences are provided in area hospitals ■ graduates are eligible to write the national certifying exam for surgical technologists to become a Certified Surgical Technologist (CST)

Program Accreditation: Commission on Accreditation of Allied Health Education Programs in cooperation with the Accreditation Review Committee for Surgical Technologists (ARC-ST)

Recommended Course Sequence:
First Semester: SURTK 120; BIOL 205; HLTH 110; HLTH 121; ENGL 110
Second Semester: SURTK 121; BIOL 206; SURTK 130; HEOCC 114; COMM 110
Summer Session: SURTK 122
Third Semester: SURTK 210; BIOL 210

Admission to the Program: high school graduate or equivalent ■ placement scores into ENGL 110 and READ 115 ■ ACT composite score of 18 or above (16 or above if tested before Oct. 28, 1989) ■ 1 year high school biology or equivalent ("C" or better) ■ minimum "C" average in courses you are transferring to ICC ■ minimum "C" average in 9 or more approved semester hours taken at ICC (for students not initially admissible to program) ■ physical examination

To Remain In And Graduate From Program: “C” or better in all BIOL and SURTK courses

High School Recommendations: 4 years
English/speech ■ 2 years mathematics ■ 3 years biological science

Other Program Information: Suggested Supplemental Courses – HEOCC 111; HEOCC 200; HEOCC 230; PSY 115; PSY 116; PSY 117; PSY 119

For Program Information Contact:
Health Careers Department
Thomas Building, (309) 999-4600

NOTE
Students are advised to complete all BIOL courses prior to first SURTK course.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
**TRANSFER PROGRAM**

**Degree:** Associate in Arts

**Total Credit Hours:** 60-64

**Program Information:** designed for students planning to transfer to a four-year university to major in Theatre after four semesters at Illinois Central College. Study in both performance and technical areas, one-on-one advisement with classes and help to explore possible careers associated with theatre, film, television. Prepares student interested in careers in acting, directing, arts management, teaching, scenic, costume, light and make-up design. The program produces four shows per year in multiple venues. 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.

**Recommended Course Sequence:**
- **First Semester:** THTRE 110 or 111; THTRE 122; THTRE 113; ENGL 110; THTRE 118; Mathematics
- **Second Semester:** THTRE 222; Life Science; Social Science; ENGL 111; THTRE 119; THTRE 115
- **Third Semester:** THTRE 123; THTRE 218; COMM 110; Social Science; Physical Science; Humanities
- **Fourth Semester:** THTRE 114; THTRE 219; THTRE 223; THTRE 210; PSY 110; Humanities/Fine Arts

**For Program Information Contact:**
Arts and Communication Department, Room 124A, (309) 694-5113

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**Theatre**

**REQUIRED GENERAL EDUCATION COURSES**
- Humanities* 3 sem. hrs.
- Humanities/Fine Arts* 3 sem. hrs.
- Life Science* 3-4 sem. hrs.
- Mathematics* 3 sem. hrs.
- Physical Science* 3-4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 111 Composition II 3 sem. hrs.
- PSY 110 Introduction to Psychology 3 sem. hrs.
- THTRE 110 Theatre Appreciation 3 sem. hrs.
- THTRE 111 Modern Drama 3 sem. hrs.

**REQUIRED PROGRAM COURSES**
- THTRE 113 Basic Techniques for Technical Theatre 3 sem. hrs.
- THTRE 114 Fundamentals of Theatrical Design 3 sem. hrs.
- THTRE 115 Stage Make-up 2 sem. hrs.
- THTRE 118 Theatre Practicum 1 sem. hr.
- THTRE 119 Theatre Practicum 1 sem. hr.
- THTRE 122 Acting I 3 sem. hrs.
- THTRE 123 Directing I 3 sem. hrs.
- THTRE 210 Introduction to Costuming 3 sem. hrs.
- THTRE 218 Theatre Practicum 1 sem. hr.
- THTRE 219 Theatre Practicum 1 sem. hr.
- THTRE 222 Acting II 3 sem. hrs.
- THTRE 223 Directing II 3 sem. hrs.

* See specific requirements for Associate in Arts Degree (page 5).

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Courses listed here are recommended for an Associate in Arts Degree with an emphasis in this program of study.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.
Travel and Tourism

Total Credit Hours Required: 33

Program Information: designed to provide entry-level and intermediate level training to individuals beginning or continuing a career in the Travel Industry. The program curriculum addresses the changes occurring in the travel field. The focus has shifted away from the offering of ticketing/issuing services to the provision of full-scale professional travel advice, counseling and planning. Courses expose students to travel-specific geography, travel management and marketing techniques, hands-on computer reservations experience, international travel planning, domestic and international travel law, non-air travel reservations and Internet retailing of travel services and products. Graduates of the program will typically be employed as travel consultants, corporate travel advisors, airline reservationists, cruise consultants, tourist bureau representatives, corporate meeting planners, and other enterprises promoting travel and tourism.

Recommended Course Sequence:
First Semester: TRAV 110; TRAV 116; HOS 110; HOS 111; TRAV 120
Second Semester: TRAV 117; TRAV 210; TRAV 200; TRAV 230; HOS 112; BUS 121

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 7

Program Information: 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 40 hours of classroom lecture and 120 hours of “yard” work (booking skills and pre-trip inspections), and on-the-road experience.

Recommended Course Sequence:
First Semester: PDTTD 110

Admission to the Program: 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, valid regular driver’s license and acceptable driving history.

For Program Information Contact: Professional Development Institute, ICC North, (309) 690-6900

Truck Driver Training Program

REQUIRED COURSES

- PDTTD 110 Truck Driving 7 sem. hrs.

NOTE
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.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 18

Program Information: designed to train those individuals interested in (or further train those already employed in) Web page creation for business and industry. Students will develop skills in a hands-on working environment. Current technologies (hardware and software) will be utilized as part of each class. Instruction will include lecture/demonstration, skill development and practical application. The program is designed to provide students the commonly used technology in Web page creation. Students will have the opportunity to develop a portfolio of work through comprehensive class projects. This portfolio will build with components from each class.

Recommended Course Sequence:
First Semester: CMWEB 110; CMWEB 150
Second Semester: CMWEB 120; CMWEB 130; CMWEB 160
Third Semester: CMWEB 220

Admission to the Program: Students entering this program must demonstrate proficiency in Windows by completing CMGEN 110 or passing the proficiency test.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Web Designer

REQUIRED COURSES

- CMWEB 110 HTML and Advanced Internet 3 sem. hrs.
- CMWEB 120 Building Web Pages with HTML and CSS 3 sem. hrs.
- CMWEB 130 Web Technology and Business 3 sem. hrs.
- CMWEB 150 Web Accessibility 3 sem. hrs.
- CMWEB 160 Scripting for Web Designers 3 sem. hrs.
- CMWEB 220 Website Development with CSS 3 sem. hrs.

NOTE

This certificate program is offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 30

Program Information: designed to train those individuals interested in (or further train those already employed in) Web programming and scripting for business and industry ■ includes interfacing Web applications with legacy applications ■ students will develop skills in a hands-on working environment ■ current technologies (hardware and software) will be utilized as part of each class ■ instruction will include lecture/demonstration, skill development and practical application ■ students will have the opportunity to develop a portfolio of work through comprehensive class projects ■ this portfolio will build with components from each class

Recommended Course Sequence:
First Semester: CMWEB 110; CMWEB 130; CMPSC 140 or OFACS 133 or OFACS 233
Second Semester: CMWEB 120; CMWEB 160 or CMPSC 115 or CMPSC 124 or CMPSC 125; Approved Elective
Third Semester: CMWEB 200; CMWEB 240 or CMWEB 241; CMWEB 250; Approved Elective

Admission to the Program: students entering this program must demonstrate proficiency in Windows by completing CMGEN 110 or passing the proficiency test

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Web Developer

REQUIRED COURSES
- CMPSC 140 Introduction to Relational Databases 3 sem. hrs.
- or OFACS 133 Database Management Systems
- or OFACS 233 Advanced Database
- CMWEB 110 HTML and Advanced Internet 3 sem. hrs.
- CMWEB 120 Building Web Pages with HTML and CSS 3 sem. hrs.
- CMWEB 130 Web Technology and Business 3 sem. hrs.
- CMWEB 160 Scripting for Web Designers 3 sem. hrs.
- or CMPSC 115 Essentials of Programming
- or CMPSC 124 Event-Driven Programming in Visual Basic
- or CMPSC 125 CS I: Programming in C++
- CMWEB 200 JavaScript for Web Developers 3 sem. hrs.
- CMWEB 240 Windows Web Server Side Scripting with ASP.NET 3 sem. hrs.
- or CMWEB 241 PHP
- CMWEB 250 XML, XSL, and Related Technologies 3 sem. hrs.

ELECTIVE COURSES
- Approved Electives* 6 sem. hrs.

* Approved Elective: Select (6) hours from the following list: CMWEB 140, 160, 225, 235, 240, 241, 270, 280; CMPSC 235, 249

NOTE

This certificate program is offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 30

Program Information: designed to train those individuals interested in developing Flash applications. Students will develop skills in a hands-on working environment using current technologies (hardware and software). Instruction will include: lecture/demonstration, skill development and practical application. Program is designed to provide students with a solid background in the development of Flash applications. Students will have the opportunity to develop a portfolio of work through comprehensive class projects. This portfolio will build with components from each class.

Recommended Course Sequence:
First Semester: CMWEB 110; CMWEB 150
Second Semester: CMWEB 120; CMWEB 160
Third Semester: CMWEB 200; CMWEB 220; CMWEB 225
Fourth Semester: CMWEB 235; CMWEB 240 or CMWEB 241; Approved Elective

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Web-Rich Internet Application Developer

REQUIRED COURSES
- CMWEB 110 HTML and Advanced Internet 3 sem. hrs.
- CMWEB 120 Building Web Pages with HTML and CSS 3 sem. hrs.
- CMWEB 150 Web Accessibility 3 sem. hrs.
- CMWEB 160 Scripting for Web Designers 3 sem. hrs.
- CMWEB 200 JavaScript for Web Developers 3 sem. hrs.
- CMWEB 220 Website Development with CSS 3 sem. hrs.
- CMWEB 225 Flash Fundamentals and ActionScript 3 sem. hrs.
- CMWEB 235 Rich Internet Applications with Flash and AJAX 3 sem. hrs.
- CMWEB 240 Windows Web Server Side Scripting with ASP.NET or CMWEB 241 PHP

ELECTIVE COURSES
- Approved Elective* 3 sem. hrs.

* Approved Electives: CMWEB 230, 240, 241, 250, 280; CMPSC 245

NOTE

This certificate program is offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888 or www.icc.edu/VirtualCampus.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 64-65

Program Information: designed for people who wish to specialize as a web professional (designer, developer, or administrator) in business and industry (both large and small) need web professionals to develop and maintain corporate websites (intranet, extranet, and Internet sites)

Recommended Course Sequence:
First Semester: BUS 120 or CMGEN 123; CMWEB 110; CMWEB 150; English; Humanities
Second Semester: CMWEB 120; CMWEB 130; CMWEB 160 or CMPSC 115 or CMPSC 124; Mathematics/Laboratory Science Elective; CMWEB 140 or Approved Elective
Summer: Social Science
Third Semester: CMWEB 200; CMWEB 220; CMPSC 140 or OFACS 133 or OFACS 233; CMPSC 249 or Approved Elective; CMWEB 225 or Approved Elective
Fourth Semester: CMWEB 240 or CMWEB 241; CMPSC 235 or Approved Elective; CMWEB 250 or Approved Elective; Social Science; Communication; CMWEB 260

Admission to the Program: students must demonstrate proficiency in Windows by passing CMGEN 110 or the proficiency exam and proficiency in Microsoft Office by passing CMGEN 120 or CMPSC 120

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

NOTE

This degree program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or www.icc.edu/VirtualCampus.

Web Systems

REQUIRED GENERAL EDUCATION COURSES

- Communication* 3 sem. hrs.
- Humanities* 3 sem. hrs.
- Mathematics/Laboratory Science*** 3-4 sem. hrs.
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- BUS 120 or CMGEN 123 Business Mathematics
- CMWEB 110 or CMWEB 120 or CMWEB 125 or CMWEB 201 Computer Mathematics
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 125 Business Communication
- ENGL 201 Technical Communication

REQUIRED PROGRAM COURSES

- CMPSC 140 Introduction to Relational Databases 3 sem. hrs.
- OFACS 133 Database Management Systems
- OFACS 233 Advanced Database
- CMPSC 235 CS II: Advanced Programming in Java 3 sem. hrs.
- Approved Electives**
- CMPSC 249 UNIX 3 sem. hrs.
- Approved Electives**
- CMWEB 110 HTML and Advanced Internet 3 sem. hrs.
- CMWEB 120 Building Web Pages with HTML and CSS 3 sem. hrs.
- CMWEB 130 Web Technology and Business 3 sem. hrs.
- CMWEB 140 Electronic Commerce 3 sem. hrs.
- Approved Electives**
- CMWEB 150 Web Accessibility 3 sem. hrs.
- CMWEB 160 Scripting for Web Designers 3 sem. hrs.
- CMPSC 115 Essentials of Programming
- CMPSC 124 Event-Driven Programming in Visual Basic
- CMWEB 200 JavaScript for Web Developers 3 sem. hrs.
- CMWEB 220 Website Development with CSS 3 sem. hrs.
- CMWEB 225 Flash Fundamentals and Actionscript 3 sem. hrs.
- Approved Electives**
- CMWEB 240 Windows Web Server Side Scripting with ASP.NET 3 sem. hrs.
- CMWEB 241 PHP
- CMWEB 250 XML, XSL, and Related Technologies 3 sem. hrs.
- Approved Electives**
- CMWEB 260 Web Internship 1 sem. hr.

* See specific requirements for the Associate in Applied Science Degree (page 8).
** Recommended Electives: CMWEB 160; 235; 240, 241, 270; 280; CMNET 110, 220, 260; GCOMM 245; CMPSC 125 (Students are encouraged to take the recommended electives to best prepare themselves for professional positions; however, alternate courses may be selected from the above list of recommended electives.)

*** Note: If BUS 120 or CMGEN 123 are taken to fulfill the (7) hour Math/Science requirement, then a (4) hour math or laboratory science course would also be required.

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
### Webmaster

#### REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CMNET 110</td>
<td>Network Concepts</td>
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<tr>
<td>CMNET 160</td>
<td>Introduction to Network Security</td>
<td>3</td>
</tr>
<tr>
<td>CMNET 210</td>
<td>Windows Server Administration</td>
<td>3</td>
</tr>
<tr>
<td>CMNET 220</td>
<td>Network Infrastructure Administration</td>
<td>3</td>
</tr>
<tr>
<td>CMNET 226</td>
<td>SQL Server Administration</td>
<td>3</td>
</tr>
<tr>
<td>CMWEB 110</td>
<td>HTML and Advanced Internet</td>
<td>3</td>
</tr>
<tr>
<td>CMWEB 120</td>
<td>Building Web Pages with HTML and CSS</td>
<td>3</td>
</tr>
<tr>
<td>CMWEB 130</td>
<td>Web Technology and Business</td>
<td>3</td>
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<tr>
<td>CMWEB 160</td>
<td>Scripting for Web Designers</td>
<td>3</td>
</tr>
<tr>
<td>CMWEB 270</td>
<td>Web Application Security</td>
<td>3</td>
</tr>
<tr>
<td>CMWEB 290</td>
<td>Web Server Administration</td>
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#### ELECTIVE COURSES

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<tr>
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<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Approved Electives*</td>
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<td>6</td>
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</table>

*Approved Elective: Select (6) hours from the following list: CMWEB 140, 240, 241, 249, 250, 251

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For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students **MUST** meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 12

Program Information: 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 production welder.

Recommended Course Sequence:
First Semester: WLDTR 111; WLDTR 112; WLDTR 118; WLDTR 121; WLDTR 122; WLDTR 123; WLDTR 212; WLDTR 225; WLDTR 227

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5510 or (309) 694-5171

Welding Operator

REQUIRED COURSES
- WLDTR 111 Welding Blueprint Reading 3 sem. hrs.
- WLDTR 112 Welding Theory I 1 sem. hr.
- WLDTR 118 Maintenance Welding 2 sem. hrs.
- WLDTR 121 Stick Welding I 1 sem. hr.
- WLDTR 122 Stick Welding II 1 sem. hr.
- WLDTR 123 Stick Welding III 1 sem. hr.
- WLDTR 212 Welding Theory II 1 sem. hr.
- WLDTR 225 Semi-Automatic Arc Welding 1 sem. hr.
- WLDTR 227 Advanced Industrial Semi-Automatic Arc Welding (GMAW) 1 sem. hr.

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
Welding Specialist

Required Courses:

- ENGL 110 Composition I 3 sem. hrs.
- MAT 094 Elementary Algebra 5 sem. hrs.
- MECTK 106 Basic Drafting 2 sem. hrs.
- WLDTR 111 Welding Blueprint Reading 3 sem. hrs.
- WLDTR 112 Welding Theory I 1 sem. hr.
- WLDTR 118 Maintenance Welding 2 sem. hrs.
- WLDTR 121 Stick Welding I 1 sem. hr.
- WLDTR 122 Stick Welding II 1 sem. hr.
- WLDTR 123 Stick Welding III 1 sem. hr.
- WLDTR 210 Welding Equipment Maintenance and Operation 3 sem. hrs.
- WLDTR 212 Welding Theory II 1 sem. hr.
- WLDTR 225 Semi-Automatic Arc Welding 1 sem. hr.
- WLDTR 226 Gas Tungsten Arc Welding 1 sem. hr.
- WLDTR 227 Advanced Industrial Semi-Automatic Arc Welding (GMAW) 1 sem. hr.

Recommended Electives: MACTR 110, 121; PHYS 104; MAT 109; WLDTR 240

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5510 or (309) 694-5171

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CAREER PROGRAM

Degree: Associate in Applied Science

Total Credit Hours: 65-66

Program Information: curriculum can be completed by a full-time student in two years and leads to an Associate in Applied Science degree in addition to developing welding skills, the program includes technical background in such areas as metallurgy, physics and electricity, as well as a survey of industry-related practices. Employment possibilities include welder, welding specialist, welding analyst or welding technician.

Recommended Course Sequence:
First Semester: WLDTR 111; WLDTR 112; ENGL 110; MECTK 110; WLDTR 121; WLDTR 122; MECTK 138
Second Semester: WLDTR 123; ENGL 201; MATH 130; WLDTR 212; COMM 110 or COMM 113; WLDTR 225; MECTK 106
Third Semester: WLDTR 226; WLDTR 227; WLDTR 210; PHYS 112; MECTK 232; Social Science; Technical Elective
Fourth Semester: WLDTR 230; WLDTR 240; WLDTR 118; Social Science; Elective/Internship; BUS 200

For Program Information Contact: Agricultural and Industrial Technologies Department, Agricultural and Industrial Technologies Building, Room 209, (309) 694-5510 or (309) 694-5171

Welding Technology

REQUIRED GENERAL EDUCATION COURSES
- Social Science* 3 sem. hrs.
- Social Science* 3 sem. hrs.
- COMM 110 Communication: Process and Practice 3 sem. hrs.
- or COMM 113 Business and Professional Speaking 3 sem. hrs.
- ENGL 110 Composition I 3 sem. hrs.
- ENGL 201 Technical Communications 3 sem. hrs.
- MATH 130 Technical Algebra and Trigonometry 5 sem. hrs.
- PHYS 112 Technical Physics 4 sem. hrs.

REQUIRED PROGRAM COURSES
- BUS 200 Human Relations in Business 3 sem. hrs.
- MECTK 106 Basic Drafting 2 sem. hrs.
- MECTK 110 Introduction to the Tools Of Technology 3 sem. hrs.
- MECTK 138 Manufacturing Processes I 3 sem. hrs.
- MECTK 232 Materials Science and Physical Metallurgy 3 sem. hrs.
- WLDTR 111 Welding Blueprint Reading 3 sem. hrs.
- WLDTR 112 Welding Theory I 1 sem. hr.
- WLDTR 118 Maintenance Welding 2 sem. hrs.
- WLDTR 121 Stick Welding I 1 sem. hr.
- WLDTR 122 Stick Welding II 1 sem. hr.
- WLDTR 123 Stick Welding III 1 sem. hr.
- WLDTR 210 Welding Equipment Maintenance and Operation 3 sem. hrs.
- WLDTR 212 Welding Theory II 1 sem. hr.
- WLDTR 225 Semi-Automatic Arc Welding 1 sem. hr.
- WLDTR 226 Gas Tungsten Arc Welding 1 sem. hr.
- WLDTR 230 Weld Testing 3 sem. hrs.
- WLDTR 240 Advanced Welding 3 sem. hrs.

ELECTIVE COURSES
- Elective/Internship 3-4 sem. hrs.
- Technical Elective 3 sem. hrs.

* See specific requirements for the Associate in Applied Science Degree (page 8).

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog

Students MUST meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.
CERTIFICATE PROGRAM

Total Credit Hours: 35

Program Information: designed to prepare students for entry-level positions in the rapidly expanding field of information processing. Courses in the program help develop a high level of keyboarding skill with word processing software and provide skill development in telephone usage, business mathematics, and basic English. The internship course provides the student with on-the-job work experience in the field. The program may be completed in three semesters of full-time study or four or five semesters of part-time study.

Recommended Course Sequence:
First Semester: BUS 120; OFOCC 111; OFOCC 151; OFACS 125; OFACS 126; WP 161
Second Semester: OFOCC 114; OFOCC 205; WP 122; TYPE 142; OFACS 132
Third Semester: OFOCC 200; OFOCC 210; OFOCC 250; OFOCC 211 or WP 186

Admission to the Program: students are expected to be computer literate and to know the Windows operating system. If this is not the case, TYPE 120 and TYPE 121 are a prerequisite for entering this program.

Other Information: students should apply for an “Application for Degree/Certificate” soon after completing 26-30 hours of the above program. The form is available in Enrollment Services, L211, or online at www.icc.edu/currentStudents/graduating. Graduation fee should be paid in Enrollment Services, L210.

For Program Information Contact:
Business, Hospitality, and Information Systems Department, Technology Center, Room 205, (309) 694-5558

Word Processing Specialist

REQUIRED PROGRAM COURSES
- BUS 120 Business Mathematics 3 sem. hrs.
- OFACS 125 PowerPoint 1 sem. hr.
- OFACS 126 Outlook 1 sem. hr.
- OFACS 132 Electronic Spreadsheets 3 sem. hr.
- OFOCC 111 Telephone Skills for the Office 1 sem. hr.
- OFOCC 114 Fundamentals of Transcription 3 sem. hrs.
- OFOCC 151 Professional Development for Office Employees 3 sem. hrs.
- OFOCC 200 Machine Transcription and Specialized Terminology 2 sem. hrs.
- OFOCC 205 Fundamentals of Records Control 3 sem. hrs.
- OFOCC 210 Administrative Office Procedures 3 sem. hrs.
- OFOCC 250 Office Occupations Internship 3 sem. hrs.
- TYPE 142 Typing Speed Development to 60 NWPM* 1 sem. hr.
- WP 122 Keyboarding/Word Processing III 4 sem. hrs.
- WP 161 Data Entry 1 sem. hr.
- WP 186 Word Processing for Desktop Publishing 3 sem. hr.
- integrated Office Projects

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

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Type of Credit</th>
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<tbody>
<tr>
<td>ACCTG 120</td>
<td>FINANCIAL ACCOUNTING</td>
<td>4 HRS. (TC)</td>
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</table>

PREREQUISITE

Prerequisites should be carefully noted to ensure preparedness for the course to be taken. If you are unsure about an equivalent prerequisite, contact the associate dean of that department.

TYPES OF CREDIT

Transfer (TC) - articulated with state universities and usually transferable
Occupational (OC) - Applied Science or Occupational Certificate programs
Basic Education (BEC) - specialized certificates; not transferable
General Studies (GSC) - specialized certificates; not transferable
Vocational Skills (VSC) - specialized certificates; not transferable
Adult Basic (ABE)*
Adult Secondary (ASE)*
English as a Second Language (ESL)*

*basic knowledge necessary for pursuit of other educational offerings. Cannot be part of Arts and Science degree but may be specified as part of other degrees and certificates.

**currently under revision

Accounting

ACCTG 105 BOOKKEEPING/ACCOUNTING I 3 HRS. (OC)
Prerequisite: None. This course presents instruction in basic principles of accounting necessary for understanding accounting data. Practical problems and exercises are used to make concepts meaningful. Three lecture hours per week.

ACCTG 108 ACCOUNTING USING QUICK BOOKS 3 HRS. (OC)
Prerequisite: ACCTG 105 or equivalent. This course covers basic training in the use of accounting software on microcomputers. Two lecture and two laboratory hours per week.

ACCTG 113 TAX ACCOUNTING 3 HRS. (OC)
Prerequisite: ACCTG 120 or department approval. This course is a practical study of business and individual income tax accounting procedures relative to current Internal Revenue requirements. Three lecture hours per week.

ACCTG 115 PAYROLL ACCOUNTING 3 HRS. (OC)
Prerequisite: ACCTG 105 or 120 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. Three lecture hours per week.

ACCTG 120 FINANCIAL ACCOUNTING 4 HRS. (TC)
Prerequisite: None. 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 organization 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. Four lecture hours per week. BUS 903

ACCTG 121 MANAGERIAL ACCOUNTING 4 HRS. (TC)
Prerequisite: ACCTG 120. 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. Four lecture hours per week. BUS 904

ACCTG 206 INTERMEDIATE ACCOUNTING I 3 HRS. (TC)
Prerequisite: ACCTG 121 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. Three lecture hours per week.
ACCTG 207  INTERMEDIATE ACCOUNTING II  3 HRS. (TC)
Prerequisite: ACCTG 206. 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. Three lecture hours per week.

ACCTG 208  COST ACCOUNTING  3 HRS. (TC)
Prerequisite: ACCTG 121 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. Three lecture hours per week.

ACCTG 209  INTERMEDIATE ACCOUNTING III  3 HRS. (TC)
Prerequisite: ACCTG 207. 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. Three lecture hours per week.

ACCTG 216  ACCOUNTING AND INFORMATION SYSTEMS  3 HRS. (OC)
Prerequisite: ACCTG 121 or department approval. This course, a synthesis of accounting and information systems, integrates data processing with experience in manual accounting procedures. Emphasis is placed on analysis and design of accounting procedures. Two lecture and two laboratory hours per week.

ACCTG 255  INDEPENDENT STUDY  1-5 HRS. (OC)
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. Three to fifteen laboratory hours per week or equivalent.

ACCTG 260  ACCOUNTING INTERNSHIP  3 HRS. (OC)
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. Fifteen field experience hours (minimum) and one seminar hour per week.

The following course is not currently being taught:

ACCTG 261  ACCOUNTING INTERNSHIP  3 HRS. (OC)

Agricultural Business

AGBUS 110  INTRODUCTORY ECONOMICS OF FOOD, FIBER, AND NATURAL RESOURCES  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week. AG 901.

AGBUS 111  ECONOMICS OF AGRICULTURE  3 HRS. (TC)
Prerequisite: None. 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 features trading that emphasizes the use of hedging and options. Three lecture hours per week.

AGBUS 112  AGRICULTURAL SALES  2 HRS. (OC)
Prerequisite: None. 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. Two lecture hours per week.

AGBUS 115  COMPUTER TECHNOLOGY IN AGRICULTURE  3 HRS. (TC)
Prerequisite: None. 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. Two lecture hours and two laboratory hours per week. AG 913.

AGBUS 118  AGRICULTURAL COMPUTATIONS  3 HRS. (OC)
Prerequisite: Department approval. This course is a basic review of mathematics with applications in various fields; such as turf management, horticulture, diesel mechanics, agribusiness, etc. Introduction to using spreadsheets with the microprocessor is included. The course is designed for the student who is entering some agriculture-related program or who needs some review of mathematics. Three lecture hours per week.

AGBUS 200  OCCUPATIONAL INTERNSHIP AND SEMINAR I  5 HRS. (OC)
Prerequisite: Department approval. This course provides the student majoring in Agricultural Business Management with valuable on-the-job training to study practical business problems. Usually scheduled for forty hours per week for eight weeks. Twenty-five laboratory hours per week.

AGBUS 211  AGRICULTURE BUSINESS AND FINANCIAL MANAGEMENT  3 HRS. (OC)
Prerequisite: AGBUS 111. 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. Three lecture hours per week.
AGBUS 212  MARKETING AGRICULTURAL PRODUCTS  3 HRS. (OC)
Prerequisite: None. 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; in addition, the course includes the study of different grading and standardization methods used in marketing agriculture products. Three lecture hours per week.

AGBUS 214  OCCUPATIONAL INTERNSHIP AND SEMINAR II
5 HRS. (OC)
Prerequisite: Concurrent enrollment in AGBUS 212 and 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. Usually scheduled for forty hours per week for eight weeks. Twenty-five laboratory hours per week.

Agriculture Mechanics

AGMEC 110  INTRODUCTORY AGRICULTURAL MECHANIZATION
Prerequisite: MAT 098 or equivalent. This course will familiarize the student with various areas of agricultural engineering including power and machinery, electricity, agricultural structures, and soil and water conservation. The use of mathematics will be stressed. Two lecture and two laboratory hours per week.

AGMEC 117  PRINCIPLES OF AGRICULTURAL MECHANICS  3 HRS. (OC)
Prerequisite: None. This course includes preventative maintenance skills necessary for farm tractors. Basic principles of operation and adjustment of electric motors, tillage and planting equipment will also be covered. Two lecture and two laboratory hours per week.

Agriculture

AGRI 110  PRINCIPLES OF ANIMAL SCIENCE  4 HRS. (TC)
Prerequisite: None. 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. Three lecture and two laboratory hours per week.

AGRI 111  PORK PRODUCTION  3 HRS. (OC)
Prerequisite: None. This course introduces the student to the pork industry and the basic principles of pork production. The technical and scientific fields of breeding, selecting, feeding, housing and management are studied as they apply to the swine enterprise. Two lecture and two laboratory hours per week.

AGRI 112  BASIC SOILS  4 HRS. (OC)
Prerequisite: None. 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. Three lecture and three laboratory hours per week.

AGRI 113  PRINCIPLES OF SOIL FERTILITY  3 HRS. (OC)
Prerequisite: None. 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. Two lecture and three laboratory hours per week.
AGRI 233  LIVESTOCK EVALUATION III  1 HR. (OC)
Prerequisite: AGRI 133 and AGRI 134 or department approval. This course is designed for students participating extensively in livestock judging competitions. The 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. One lecture and two laboratory hours per week.

AGRI 234  LIVESTOCK EVALUATION IV  1 HR. (OC)
Prerequisite: AGRI 233 or department approval. This course is designed for students participating extensively in livestock judging competitions. The course 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 studies how to make accurate decisions about livestock quality and to defend those decisions with logical reasons. One lecture and two laboratory hours per week.

The following courses are not currently being taught:

AGRI 180  CARCASS EVALUATION I  1 HR. (VSC)
AGRI 181  CARCASS EVALUATION II  1 HR. (VSC)
AGRI 182  CARCASS EVALUATION III  1 HR. (VSC)

Automotive Maintenance and Light Repair

The following courses are not currently being taught:

AMLR 133  SUSPENSION AND STEERING  2 HRS. (OC)
AMLR 134  ELECTRICAL SYSTEMS  2 HRS. (OC)
AMLR 135  CLIMATE CONTROL  2 HRS. (OC)
AMLR 138  AUTOMOTIVE BRAKE SYSTEMS  2 HRS. (OC)

Arabic

ARA 110  ELEMENTARY MODERN ARABIC I  4 HRS. (TC)
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or "C" or better in ENGL 095 or 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. Four lecture hours per week.

ARA 111  ELEMENTARY MODERN ARABIC II  4 HRS. (TC)
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. Four lecture hours per week.

ARA 210  INTERMEDIATE MODERN ARABIC III  4 HRS. (TC)
Prerequisite: ARA 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 Arabic. Four lecture hours per week.

ARA 211  INTERMEDIATE MODERN ARABIC IV  4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, 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. Four lecture hours per week.

ARA 110  ARCHITECTURAL ORIENTATION  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

ARA 111  INTRODUCTION TO ARCHITECTURAL RENDERING  2 HRS. (TC)
Prerequisite: None. This introductory course includes architectural perspective sketching and architectural delineation in black and white media. One lecture and two laboratory hours per week.

ARA 112  ARCHITECTURAL RENDERING IN COLOR  2 HRS. (TC)
Prerequisite: ARA 111. This course includes advanced architectural sketching, introduction of color media, description of speed techniques, and detailing. One lecture and two laboratory hours per week.

ARA 115  INTRODUCTION TO THE ART AND SCIENCE OF GREEN BUILDING  3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

ARA 131  ARCHITECTURAL CONSTRUCTION I  4 HRS. (TC)
Prerequisite: Credit or concurrent enrollment in ARCH 137 or credit in ARCTK 111. 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. Two lecture and six laboratory hours per week.

ARA 132  ARCHITECTURAL CONSTRUCTION II  4 HRS. (TC)
Prerequisite: ARCH 131. 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. Two lecture and six laboratory hours per week.

ARA 137  FUNDAMENTALS OF ARCHITECTURAL DRAWING  3 HRS. (TC)
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. One lecture and five laboratory hours per week.
ARCH 138 ARCHITECTURAL FREEHAND DRAWING I 2 HRS. (TC)
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. One lecture and three laboratory hours per week.

ARCH 139 ARCHITECTURAL FREEHAND DRAWING II 2 HRS. (TC)
Prerequisite: ARCH 138 and enrollment in Architecture curriculum. This studio course is a continuation of ARCH 138 with emphasis on other media and an accelerated pace in freehand architectural sketching techniques. One lecture and three laboratory hours per week.

ARCH 201 BASIC DESIGN STUDIO I 3 HRS. (TC)
Prerequisite: Sophomore standing in program. 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. One lecture and six laboratory hours per week.

ARCH 202 BASIC DESIGN STUDIO II 3 HRS. (TC)
Prerequisite: ARCH 201. 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. One lecture and six laboratory hours per week.

ARCH 203 INTRODUCTION TO THE HISTORY OF ARCHITECTURE 3 HRS. (TC)
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. Three lecture hours per week.

ARCH 204 ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING I 3 HRS. (OC)
Prerequisite: One semester of college level architectural drafting (ARCTK 111 or ARCH 137), and successful completion of intermediate algebra or department approval. 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 the Associate Degree. Two lecture and three laboratory hours per week.

ARCH 205 ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING II 3 HRS. (OC)
Prerequisite: ARCH 204. 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 the Associate Degree. Two lecture and three laboratory hours per week.

ARCH 206 ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING III 3 HRS. (OC)
Prerequisite: ARCH 204. This course is the third in a series of courses to introduce the architectural student or professional to the concepts of the Civil/Engineering applications of the AutoCAD software. The student will be introduced to creation and annotation of site 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 the Associate Degree. Two lecture and three laboratory hours per week.

Architectural Construction Technology

ARCTK 001 SOLAR APPLICATIONS FOR YOUR HOME 3 HRS. (GSC)
Prerequisite: None. 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. Three lecture hours per week.

ARCTK 007 RESIDENTIAL PLANNING AND DRAWING 1.5 HRS. (GSC)
Prerequisite: None. 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. One lecture and one laboratory hour per week.

ARCTK 106 BASIC ARCHITECTURAL DRAFTING 2 HRS. (OC)
Prerequisite: None. 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. One lecture and three laboratory hours per week.

ARCTK 111 ARCHITECTURAL DRAFTING 3 HRS. (OC)
Prerequisite: ARCTK 106 or equivalent. This introductory course includes general drafting techniques, such as lettering, line work, orthographic projection, two-dimensional representation, perspectives, sections, and architectural conventions. One lecture and five laboratory hours per week.

ARCTK 112 STRUCTURAL DRAFTING 3 HRS. (OC)
Prerequisite: ARCTK 111 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. One lecture and five laboratory hours per week.

ARCTK 113 ELEMENTARY SURVEYING 2 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in MAT 098 or MAT 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. One lecture and three laboratory hours per week.
ARCTK 114 SURVEYING 2 HRS. (OC)
Prerequisite: ARCTK 113 or department approval. 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. One lecture and three laboratory hours per week.

ARCTK 115 ARCHITECTURAL PHOTOGRAPHY 2 HRS. (OC)
Prerequisite: None. 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. One lecture and two laboratory hours per week.

ARCTK 116 HISTORY OF ARCHITECTURE AND CONSTRUCTION 3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

ARCTK 118 BUILDING RESTORATION AND REHABILITATION PLANNING 2 HRS. (OC)
Prerequisite: None. 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. One lecture and two laboratory hours per week.

ARCTK 119 BLUEPRINT READING - CONSTRUCTION 1 HR. (OC)
Prerequisite: None. 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. It is usually taught in eight three-hour sessions. One lecture and two laboratory hours per week for eight weeks or equivalent.

ARCTK 125 SOILS AND FOUNDATION MATERIALS 3 HRS. (OC)
Prerequisite: MAT 098 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. Two lecture and three laboratory hours per week.

ARCTK 201 ARCHITECTURAL DRAFTING 4 HRS. (OC)
Prerequisite: ARCH 131 and concurrent enrollment in ARCTK 225. 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. Two lecture and six laboratory hours per week.

ARCTK 203 MECHANICS OF MATERIALS 3 HRS. (OC)
Prerequisite: Concurrent enrollment or credit in PHYS 112. This course covers statics strength of materials, selection of materials for particular applications, and inspection of materials. Materials testing methods are stressed in the laboratory. Two lecture and three laboratory hours per week.

ARCTK 209 INTERNSHIP 3 HRS. (OC)
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. Two lecture and sixteen internship hours (clock) minimum per week or equivalent (summer schedule).

ARCTK 224 SOLAR PROJECTS STUDIO 3 HRS. (OC)
Prerequisite: ARCH 131. This course provides the students with an opportunity to apply previously acquired knowledge in construction of applicable energy projects. Emphasis will be placed on systemization and application of current technology in passive solar systems and alternative energy sources. One lecture and six laboratory hours per week.

ARCTK 225 SITE DEVELOPMENT 2 HRS. (OC)
Prerequisite: ARCTK 113, recommended to be taken concurrently with ARCTK 201. 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. One lecture and three laboratory hours per week.

ARCTK 227 ENVIRONMENTAL SYSTEMS OF BUILDINGS 3 HRS. (OC)
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. Three lecture hours per week.

ARCTK 228 CONSTRUCTION MANAGEMENT 3 HRS. (OC)
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. Two lecture and three laboratory hours per week.

ARCTK 229 COST ESTIMATING AND CONSTRUCTION PRACTICE 3 HRS. (OC)
Prerequisite: ARCTK 201 or department approval; sophomore standing. 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. Three lecture hours per week.

ARCTK 255 INDEPENDENT STUDY 1-5 HRS. (OC)
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). Three to fifteen laboratory hours per week or equivalent.

The following courses are not currently being taught:

ARCTK 117 ENERGY ALTERNATIVES 3 HRS. (OC)
ARCTK 215 ROUTE AND LAND SURVEY 4 HRS. (OC)
ARCTK 216 CONSTRUCTION MATERIALS 3 HRS. (OC)
ARCTK 230 HYDRAULICS AND DRAINAGE 3 HRS. (OC)
Art

ART 110  ART APPRECIATION  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. F2 900

ART 111  2D DESIGN  3 HRS. (TC)
Prerequisite: None. This course is a studio course which investigates traditional and experimental processes and materials involved in two-dimensional elements, principles of organization and surface treatment. Six laboratory hours per week.

ART 112  3D DESIGN  3 HRS. (TC)
Prerequisite: None. This course is a study of three-dimensional concepts and terminology utilizing studio projects related to sculpture, architecture and industrial design. Six laboratory hours per week.

ART 120  DRAWING I  3 HRS. (TC)
Prerequisite: None. 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. Six laboratory hours per week.

ART 121  FIGURE DRAWING I  3 HRS. (TC)
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 concept of creating illusionary space, with relation to the human form, to achieve accurate proportions, anatomy, and effective composition. Six laboratory hours per week or equivalent.

ART 140  PHOTOGRAPHY I  3 HRS. (TC)
Prerequisite: None. 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. The student is responsible for providing their own camera and all other relevant materials. Six laboratory hours per week.

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. Six laboratory hours per week or equivalent.

ART 142  THE HISTORY OF PHOTOGRAPHY  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher or equivalent, or department approval. This course surveys the historical development of photography as an art form from 1839 to the present, including critical analysis of the types of 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. Three lecture hours per week. F2 904

ART 150  ART HISTORY I  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a survey of Western Art from the pre-historic to the Renaissance Period. This course is acceptable for humanities credit. Three lecture hours per week. F2 901 F1 901

ART 151  ART HISTORY II  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a survey of art from the Renaissance Period through the present. This course is acceptable for humanities credit. Three lecture hours per week. F2 902 F1 902

ART 200  PAINTING I  3 HRS. (TC)
Prerequisite: ART 111 and 120 or department approval. 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 media will be explored. The course will also introduce discipline-specific vocabulary, critical analysis skills, and historical information relevant to painting. Six laboratory hours per week or equivalent.

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 is intended to offer additional studio and portfolio experience. Emphasis will be placed on personal creative development through further experimentation with material’s concepts and technique, on variety of surfaces. Six laboratory hours per week or equivalent.

ART 204  CERAMICS I  3 HRS. (TC)
Prerequisite: None. This course explores the design, construction and glazing processes through hand-built and wheel-thrown pottery. Six laboratory hours per week.

ART 205  CERAMICS II  3 HRS. (TC)
Prerequisite: ART 204 or department approval. This course further explores the design, construction and glazing processes through hand-built and wheel-thrown pottery. Six laboratory hours per week.

ART 206  SCULPTURE I  3 HRS. (TC)
Prerequisite: ART 112 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. Six laboratory hours per week.

ART 210  PRINTMAKING  3 HRS. (TC)
Prerequisite: ART 111 or 121. This course is an introduction to a variety of basic printmaking techniques with an emphasis on collograph, linoleum, woodblock, engraving and etching processes. Six laboratory hours per week.
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. Six laboratory hours per week or equivalent.

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. Six laboratory hours per week or equivalent.

The following courses are not currently being taught:
ART 230 ART EDUCATION FOR THE ELEMENTARY TEACHER 3 HRS. (TC)  
ART 240 GENDER AND ART 3 HRS. (TC)

General Motors Automotive Service Educational Program

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. One lecture and three laboratory hours per week.

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. Two lecture and three laboratory hours per week.

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. Two lecture and three laboratory hours per week.

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. Two lecture and three laboratory hours per week.

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. Two lecture and three laboratory hours per week.

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. Manufacturer's specifications will be utilized in performing standard service operations. Automotive engine cooling systems are also covered in the course. Two lecture and three laboratory hours per week.

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. Two lecture and three laboratory hours per week.

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. Two lecture and three laboratory hours per week.

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. Twenty hours per week or equivalent.

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. Twenty hours per week or equivalent.

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. One lecture and three laboratory hours per week.

ASEP 215 ELECTRICAL SYSTEMS III 3 HRS. (OC)  
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. Two lecture and three laboratory hours per week.

ASEP 217 AUTOMATIC TRANSMISSIONS 3 HRS. (OC)  
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. One lecture and six laboratory hours per week.
American Sign Language

ASL 001 SIGN LANGUAGE I 2 HRS. (GSC)
Prerequisite: None. This course is designed to give a basic knowledge of the language of sign and finger spelling for communication with deaf people. The course is directed to persons working with the deaf (employers or employees) or having a family member who is deaf. Two lecture hours per week.

ASL 002 SIGN LANGUAGE II 2 HRS. (GSC)
Prerequisite: ASL 001. This course is a continuation of Sign Language I. Students must have completed ASL 001 or its equivalent. Two lecture hours per week.

ASL 003 INTERPRETER TRAINING I 2 HRS. (GSC)
Prerequisite: ASL 001 and 002. This course will introduce the student to the skills required in expressive interpreting and translating and continues to build receptive skills. It is recommended for those wishing to become interpreters for the deaf, either on a professional or volunteer basis. It is also an excellent course for those wishing to expand conversational signing capabilities. Two lecture hours per week.

ASL 110 AMERICAN SIGN LANGUAGE I 4 HRS. (TC)
Prerequisite: An appropriate score on the placement exam or department approval. 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. Approximately 550 signs will be presented. Norms of American Deaf culture, related laws, and agencies that serve this community are presented. Student performance will be evaluated from digital video recording devices. Four lecture hours and two laboratory hours per week.

Automotive Technology

AUTO 060 FUNDAMENTALS OF ELECTRICAL SYSTEMS 3 HRS. (VSC)
Prerequisite: Department approval. This is a basic course covering the fundamentals of electrical systems. The content will be geared for working technicians. It includes the following topics: batteries, starters, charging systems, and other circuits used in the transportation industry. Three lecture hours per week.

AUTO 110 INTERNAL COMBUSTION ENGINES 3 HRS. (OC)
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. Two lecture and six laboratory hours per week.

AUTO 111 INTRODUCTION TO AUTOMOTIVE TECHNOLOGY 3 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. Two lecture and three laboratory hours per week.

AUTO 115 FUEL AND IGNITIONS SYSTEMS FOR GASOLINE ENGINES 4 HRS. (OC)
Prerequisite: AUTO 110 or ENGPR 118 and 114. 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. Three lecture and three laboratory hours per week.

AUTO 116 ELECTRICAL ACCESSORY CIRCUITS 3 HRS. (OC)
Prerequisite: ENGPR 114. This course covers electrical components and systems associated with the transportation industries and their applications. Diagnostic techniques and repair procedures are emphasized. Two lecture and three laboratory hours per week.

AUTO 117 MANUAL TRANSMISSION AND DRIVE AXLES 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 standard transmissions, differentials, axles, four wheel drive and transfer cases found in current automobiles. Two lecture and three laboratory hours per week.

AUTO 119 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. Two lecture and three laboratory hours per week.

AUTO 129 AUTOMOTIVE AIR CONDITIONING SYSTEMS 3 HRS. (OC)
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. Manufacturer’s specifications will be utilized in performing standard service operations. Automotive engine cooling systems are also covered in the course. Two lecture and three laboratory hours per week.
BANK 110 PRINCIPLES OF BANK OPERATIONS 3 HRS. (OC)
Prerequisite: None. This course touches on nearly every aspect of banking from the fundamentals of negotiable instruments to contemporary issues and developments within the industry. Three lecture hours per week.

BANK 115 LAW AND BANKING 3 HRS. (OC)
Prerequisite: None. This course is a banker’s guide to law and legal issues, with special emphasis on the Uniform Commercial Code. Three lecture hours per week.

BANK 116 LAW AND BANKING APPLICATIONS 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

BANK 120 MONEY AND BANKING 3 HRS. (OC)
Prerequisite: BANK 110 or ECON 105, 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. Three lecture hours per week.

BANK 125 ANALYZING FINANCIAL STATEMENTS 3 HRS. (OC)
Prerequisite: ACGT 120 or equivalent. 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. Three lecture hours per week.

BANK 212 BANK MARKETING 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

The following courses are not currently being taught:

BANK 114 ECONOMICS FOR BANKERS 3 HRS. (OC)
BANK 200 CONSUMER LENDING 3 HRS. (OC)
BANK 206 INTRODUCTION TO CONSUMER LENDING 3 HRS. (OC)

Biology

BIOL 106 HUMAN BIOLOGY 4 HRS. (OC)
Prerequisite: None. This course is designed for the student desiring knowledge relative to the gross structure and basic functioning of the human body. This course meets the basic needs of all requiring in-breadth, but not in-depth, study of the human body. Three lecture and two laboratory hours per week.

BIOL 108 BASIC MICROBIOLOGY 1 HR. (OC)
Prerequisite: None. This course acquaints the student with the microbial world and its significance in health. Microbial processes, relationship to disease, transmission and control will be discussed. One lecture hour per week.

BIOL 110 LIFE SCIENCE 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course introduces the student to the diversity of living organisms, their behavior and ecology with emphasis on population and pollution. Along with BIOL 111, it can be considered equivalent to a one-year sequence in General Biology. Three lecture and two laboratory hours per week. L1 900L

BIOL 111 THE BIOLOGY OF MAN 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course develops an understanding of the biological nature of man including their reproduction, genetics, origin, and evolution. Along with BIOL 110, it can be considered equivalent to a one-year sequence in General Biology. Three lecture and two laboratory hours per week. L1 900L

BIOL 114 ENVIRONMENTAL BIOLOGY 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture and two laboratory hours per week. **L1 905L**

**Biol 115 Native Plants and Animals** 4 HRS. (TC)  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Two lecture and four laboratory hours per week. **L1 905L**

**Biol 120 General Botany** 4 HRS. (TC)  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course includes a study of the basic principles of plant structure, growth, physiology, reproduction and evolution. Three lecture and two laboratory hours per week. **L1 901L**

**Biol 130 General Zoology** 4 HRS. (TC)  
Prerequisite: COMPASS reading score of 81 or higher, 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. Three lecture and three laboratory hours per week. **L1 902L**

**Biol 140 Human Anatomy and Physiology** 4 HRS. (TC)  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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 requirement. Three lecture and two laboratory hours per week. **L1 904L**

**Biol 150 Genetics** 3 HRS. (TC)  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. **L1 906**

**Biol 160 Bioprinclples I** 4 HRS. (TC)  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This science majors course begins a one-year sequence on biology principles. It covers the nature of science, diversity of living organisms, the origin of life, cell structure and function, metabolism, reproduction and embryology. The laboratory is research oriented. The Biol 160-161 sequence is intended for science majors or other students with department approval. Three lecture and three laboratory hours per week. **L1 900L & BIO 910**

**Biol 161 Bioprinclples II** 4 HRS. (TC)  
Prerequisite: Biol 160 with a “C” or better. This course completes a one-year sequence on biology principles. Topics include genetics, 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. Three lecture and three laboratory hours per week. **BIO 910**

**Biol 205 Principles of Human Anatomy and Physiology I** 4 HRS. (TC)  
Prerequisite: (#1) A score of 81 or higher on the COMPASS Reading Placement Test (or an ACT score of 19 or higher) AND (#2) completion with a grade of “C” or better of Biology 111 or Biology 160 AND Chemistry 115 or higher OR a passing score on the Anatomy and 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. Three lecture and two laboratory hours per week. (formerly Biol 145) **L1 904L**

**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. Three lecture and two laboratory hours per week. (formerly Biol 146)

**Biol 210 Microbiology** 4 HRS. (TC)  
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, AND completion of Biol 140 or above 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. Two lecture and four laboratory hours per week.

**Biol 230 Vertebrate Zoology** 4 HRS. (TC)  
Prerequisite: Biol 110, 111, 130 or 160 with a grade of “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. Three lecture and three laboratory hours per week.

**Biol 250 Field Biology** 4 HRS. (TC)  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course includes field studies of the biology in various sections of North America. Stress is placed on interdependence 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. **L1 905L**

The following courses are not currently being taught:

**Biol 220 Plant Diversity** 4 HRS. (TC)  
**Biol 221 Animal Diversity** 4 HRS. (TC)
Bus 112: Introduction to Business Careers 1 Hr. (OC)
Prerequisite: None. 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. One lecture hour per week.

Bus 115: Business Law 3 Hrs. (TC)
Prerequisite: None. 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. Three lecture hours per week.

Bus 116: Business Law 3 Hrs. (TC)
Prerequisite: BUS 115. 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. Three lecture hours per week.

Bus 120: Business Mathematics 3 Hrs. (TC)
Prerequisite: None. This course develops skills in handling mathematics in business transactions, fundamental processes, percentage, discount, interest, profit and loss, payrolls, taxes, charges for credit, financial statements, insurance, stocks, bonds, metric system, inventories, depreciation, statistics and annuities. Three lecture hours per week.

Bus 121: Principles of Customer Service 3 Hrs. (OC)
Prerequisite: None. 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. Three lecture hours per week.

Bus 141: Special Topics 2 Hrs. (OC)
Prerequisite: None. 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. One half to three lecture hours per week.

Bus 151: Job Orientation .5-3 Hrs. (OC)
Prerequisite: None. 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. Two lecture hours a week.

Bus 200: Human Relations in Business 3 Hrs. (OC)
Prerequisite: None. This course examines the problems of discipline, motivation, communications, authority, social change, and teamwork through case studies. Three lecture hours per week.

Bus 203: Business Statistics 4 Hrs. (TC)
Prerequisite: MATH 115 or 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 analyzes, 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. Four lecture hours per week. **BUS 901**

**BUS 215**  **LEGAL ENVIRONMENT OF BUSINESS**  **3 HRS. (TC)**  
Prerequisite: None. 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. Three lecture hours per week.

**BUS 220**  **INTRODUCTION TO BUSINESS FINANCE**  **3 HRS. (TC)**  
Prerequisite: ACCTG 120 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. Three lecture hours per week.

**BUS 230**  **PRINCIPLES OF INVESTMENTS**  **3 HRS. (OC)**  
Prerequisite: None. 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. Three lecture hours per week.

**BUS 240**  **PERSONAL FINANCE**  **3 HRS. (TC)**  
Prerequisite: None. 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. Three lecture hours per week.

**BUS 255**  **INDEPENDENT STUDY**  **1-5 HRS. (OC)**  
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). Three to fifteen laboratory hours per week or equivalent.

**BUS 260**  **FINANCE INTERNSHIP**  **3 HRS. (OC)**  
Prerequisite: Admission to the Finance program and completion of a minimum of 12 semester hours of business or business-related program courses. This course involves student trainees at an approved training station with a program of training scheduled by joint agreement of the student, supervisor and program coordinator. Special assignments including extensive finance projects and/or supplementary reports and supervisory direction and evaluation are required. Fifteen field experience hours (minimum) and one seminar hour per week.

### Culinary

**CA 150**  **PROFESSIONAL COOKING**  **3 HRS. (OC)**  
Prerequisite: None. 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. Two lecture and three laboratory hours per week.

**CA 151**  **ADVANCED SANITATION AND SAFETY**  **3 HRS. (OC)**  
Prerequisite: None. This course is a study of the fundamental elements of safety and sanitation within both the commercial and non-commercial food service establishment. It prepares the student to successfully pass the Illinois State Sanitation Certification examination. The development of safe and sanitary working practices needed by each food service worker is stressed. Three lecture hours per week.

**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. Two lecture and three laboratory hours per week.

**CA 155**  **MEAT, POULTRY AND FISH**  **3 HRS. (OC)**  
Prerequisite: 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. Two lecture and three laboratory hours per week.

**CA 156**  **SAUCES**  **3 HRS. (OC)**  
Prerequisite: CA 150 and CA 155. 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. Two lecture and three laboratory hours per week.

**CA 157**  **GARDE MANGER**  **3 HRS. (OC)**  
Prerequisite: CA 150, 153, and 155. 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. Two lecture and three laboratory hours per week.

**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. Two lecture and three laboratory hours per week.

**CA 211**  **FOODSERVICE MARKETING**  **3 HRS. (OC)**  
Prerequisite: None. This course is a study of the principles of foodservice marketing and its core concepts. This course prepares the student to identify the relationships between customer’s value, satisfaction and quality. Three lecture hours per week.

**CA 212**  **FOODSERVICE COST CONTROL**  **4 HRS. (TC)**  
Prerequisite: BUS 120 or approved mathematics. This course is the study of the fundamental principles of understanding and managing the cost 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. Four lecture hours per week.
CA 213  BEVERAGE MANAGEMENT  3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

CA 214  FRONT OF THE HOUSE  3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

CA 215  FOODSERVICE NUTRITION AND MENU PLANNING  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

CA 217  INTRODUCTION TO CATERING  3 HRS. (OC)
Prerequisite: None. This course is the 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. Three lecture hours per week.

CA 220  ADVANCED PROFESSIONAL COOKING  3 HRS. (OC)
Prerequisite: CA 151, 157, 215, and 253. 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. Two lecture and three laboratory hours per week.

CA 225  INTERNSHIP IN CULINARY ARTS  3 HRS. (OC)
Prerequisite: Prerequisite: Department approval. In this course, the student applies principles of culinary arts management during the supervised experience in a variety of foodservice institutions. Minimum twenty hours field experience per week.

CA 253  ADVANCED BAKING  3 HRS. (OC)
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. One lecture and five laboratory hours per week.

Caterpillar Dealer Service

CATTK 082  TOPICS IN CATERPILLAR ENGINES  1-5 HRS. (VSC)
Prerequisite: Department approval. This course deals with specific topics of the Caterpillar engine product line. The topics will be dealing with the most up-to-date changes in the engine product line. One lecture hour and one to five laboratory hours per week.

CATTK 110  CATERPILLAR ENGINE FUNDAMENTALS  4 HRS. (OC)
Prerequisite: None. This course discusses the principles of compression ignited internal combustion engines and variations in design. Caterpillar engines will be used in the class. Two lecture and six laboratory hours per week.

CATTK 111  INTRODUCTION TO CATERPILLAR SERVICE INDUSTRY  2 HRS. (OC)
Prerequisite: Department approval. This course provides instruction and laboratory experience in shop setup, shop operation and how to obtain Caterpillar service information. One and one-half lecture and one and one-half laboratory hours per week.

CATTK 112  FUNDAMENTALS OF HYDRAULICS  3 HRS. (OC)
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. Two lecture and three laboratory hours per week.

CATTK 113  CATERPILLAR ENGINE FUEL SYSTEMS  3 HRS. (OC)
Prerequisite: CATTK 110 and department approval. This course is a study of combustion chamber design, Caterpillar fuel injection systems, diagnosing faults in fuel injection and combustion systems. Two lecture and three laboratory hours per week.

CATTK 114  FUNDAMENTALS OF ELECTRICAL SYSTEMS  3 HRS. (OC)
Prerequisite: None. 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. Two lecture and three laboratory hours per week.

CATTK 115  AIR CONDITIONING  2 HRS. (OC)
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. One lecture and three laboratory hours per week.

CATTK 116  FUNDAMENTALS OF TRANSMISSIONS & TORQUE CONVERTERS  3 HRS. (OC)
Prerequisite: CATTK 112 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 planetaries. An understanding of the operation, maintenance, and adjustment of the clutch and brakes will be an integral part of this course. Two lecture and three laboratory hours per week.

CATTK 117  MACHINE HYDRAULIC SYSTEMS  3 HRS. (OC)
Prerequisite: CATTK 112. This course is designed for inspecting, testing, and servicing Caterpillar hydraulic circuits, systems, and components. Appropriate testing procedures and equipment will be utilized. Two lecture and three laboratory hours per week.

CATTK 150  INTERNSHIP I  4 HRS. (OC)
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. Students’ needs and objectives determine major emphasis. Forty hours per week.

CATTK 151  INTERNSHIP II  4 HRS. (OC)
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. Students’ needs and objectives determine major emphasis. Forty hours per week.
## Chemistry

**CHEM 094  INTRODUCTION TO CHEMISTRY  3 HRS. (ASE)**
Prerequisite: Concurrent enrollment in MAT 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. Three lecture and one laboratory hour per week.

**CHEM 110  CHEMISTRY AND SOCIETY  4 HRS. (TC)**
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and completion of MAT 098 with a grade of “C” or better or a score of 66 on the algebra COMPASS test 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. Three lecture and two laboratory hours per week. (formerly CHEM 118)  P1 903L

**CHEM 115  FOUNDATIONS OF CHEMISTRY  4 HRS. (TC)**
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and completion of MAT 098 with a grade of “C” or better or a score of 66 on the algebra COMPASS test 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. Three lecture and two laboratory hours per week.  P1 902L

**CHEM 120  PRINCIPLES OF CHEMISTRY  4 HRS. (TC)**
Prerequisite: Completion of MAT 098 with a grade of “C” or better or a Math placement score of 66 or higher on the “Algebra” subsection or the “College Algebra” subsection of the Math Placement test, 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 and allied health professions, agriculture, family and consumer science, computer science, prerequisite for general chemistry sequence (CHEM130/CHEM 132) or as a general education course. The important mathematical skills of basic chemistry are developed, but overall there is less mathematical emphasis than in CHEM 130. Three lecture and three laboratory hours per week.  P1 902L

The following courses are not currently being taught:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CATTK 050</td>
<td>ENGINE FUNDAMENTALS</td>
<td>1.5 HRS. (VSC)</td>
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<tr>
<td>CATTK 051</td>
<td>CATERPILLAR INFORMATION SYSTEMS</td>
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<tr>
<td>CATTK 052</td>
<td>FUNDAMENTALS OF HYDRAULICS</td>
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<td>CATTK 054</td>
<td>FUNDAMENTALS OF ELECTRICAL SYSTEMS</td>
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<td>CATTK 056</td>
<td>POWER TRAIN I</td>
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<td>CATTK 057</td>
<td>MACHINE HYDRAULIC SYSTEMS</td>
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<td>CATTK 060</td>
<td>POWER TRAINS II</td>
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**CATTK 061  MACHINE ELECTRONIC SYSTEMS  1.5 HRS. (VSC)**
**CATTK 080  TOPICS IN CATERPILLAR MACHINES  1.5 HRS. (VSC)**
**CATTK 081  TOPICS IN CATERPILLAR ELECTRONICS SYSTEMS  1.5 HRS. (VSC)**
**CATTK 118  SHOP PRACTICES  2 HRS. (OC)**
Chemistry

CHEM 122  PRINCIPLES OF CHEMISTRY  4 HRS. (TC)
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. Three lecture and three laboratory hours per week.

CHEM 130  GENERAL CHEMISTRY  4 HRS. (TC)
Prerequisite: CHEM 130 or department approval. This course is a continuation of CHEM 130. The course will include instruction on analytic chemistry, electrochemistry, thermochemistry, nuclear chemistry, and survey of elements. Three lecture hours per week or equivalent.

CHEM 131  GENERAL CHEMISTRY  3 HR. (TC)
Prerequisite: CHEM 130 or department approval. This course is a continuation of CHEM 130. It includes ionic equilibrium, electrochemistry, thermochemistry, nuclear chemistry, and a survey of the elements. Laboratory includes semi-micro qualitative analysis. Three lecture and three laboratory hours per week.

CHEM 210  FUNDAMENTALS OF ANALYTICAL CHEMISTRY  4 HRS. (TC)
Prerequisite: Completion of CHEM 132 or equivalent with a grade of “C” or better. This course is a study of fundamental chemistry principles, including atomic structure, chemical bonding, kinetic theory, solutions, and chemical stoichiometry. Recommended for pre-professional, engineering, and chemistry majors. Three lecture and three laboratory hours per week.

CHEM 220  ORGANIC CHEMISTRY  5 HRS. (TC)
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. Laboratory includes macro and micro scale techniques and synthesis. Gas and liquid chromatography as well as infrared instrumentation are used to identify synthesized compounds. Four lecture and three laboratory hours per week.

CHEM 230  ORGANIC CHEMISTRY  4 HRS. (TC)
Prerequisite: CHEM 220 or equivalent. This course is a continuation of CHEM 220, concluding with a study of lipids and carbohydrates. Laboratory includes multi-step synthesis, instrumentation, and computerized analysis. Three lecture and three laboratory hours per week.

The following course is not currently being taught:

CHEM 101  TECHNICAL CHEMISTRY  3 HRS. (OC)

Child Development

CHILD 110  INTRODUCTION TO CHILD DEVELOPMENT  3 HRS. (OC)
Prerequisite: Program admission or department approval. This course is designed to give an overview of the philosophy, history, and types of early childhood programs, including programs for the exceptional child, qualifications of personnel, techniques of observing, and the recording of actions and needs of children from birth to eight years of age. Three lecture hours per week.

CHILD 120  HUMAN GROWTH AND DEVELOPMENT  3 HRS. (TC)
Prerequisite: Appropriate reading score or department approval. This course is the study of social, emotional, physical, and intellectual aspects of child growth and development. It also covers prenatal through pre-adolescence development. Emphasis is placed on normal development of the young child; however, the student is also introduced to deviations from the norm and to implications for working with children in various developmental stages. Three lecture hours per week or equivalent.

CHILD 130  INTRODUCTION TO CREATIVE ACTIVITIES  3 HRS. (OC)
Prerequisite: CHILD 120 with a grade of “C” or better or department approval. This course includes an introduction to a variety of media suitable for use with young children. The course is designed to help understand the use of media in enriching educational activities for young children. Two lecture and two laboratory hours per week.

CHILD 132  INFANT-TODDLER DEVELOPMENT  3 HRS. (OC)
Prerequisite: CHILD 120 with a grade of “C” or better or department approval. This course will focus on developmental growth patterns and specific needs of infants and toddlers. Students will observe infants and toddlers in multiple settings. Students examine current research and plan appropriate activities for child-care settings. Three lecture hours per week or equivalent.

CHILD 140  CHILD, FAMILY, AND COMMUNITY  3 HRS. (OC)
Prerequisite: CHILD 120 with a grade of “C” or better or department approval. This course focuses on the child within the context of family and community. Issues of communication, diversity, social policy, parent-child and professional-family relationships will be emphasized. Included are methods of parent-teacher communication and the use of community resources. Three lecture hours per week or equivalent.

CHILD 200  EARLY CHILDHOOD SPECIAL EDUCATION  3 HRS. (OC)
Prerequisite: CHILD 120 with a grade of “C” or better or department approval. This course focuses on techniques for working with children with special needs in early childhood settings. Students will apply their knowledge of child development and relate it to assessment, intervention, and evaluation procedures for children with special needs. The course includes characteristics of young children (birth through eight years) with special needs and their families, and modifications in curriculum, routines, and classroom management. Three lecture hours per week or equivalent.

CHILD 230  PROGRAM PLANNING  3 HRS. (OC)
Prerequisite: CHILD 130 with a grade of “C” or better or department approval. This course provides knowledge and skills necessary to plan a program which maximizes best practices in child development. Included in the course are: curriculum development, program planning, design and use of materials and equipment, instruction techniques and the role of the teacher. Three lecture hours per week.

CHILD 231  LITERATURE FOR CHILDREN  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course examines genres of children’s literature. It considers plot, narration, character development, setting, and theme in age-appropriate literature. Three lecture hours per week.
ILLINOIS CENTRAL COLLEGE 2013-2014 COURSE DESCRIPTIONS

CHILD 240 CHILD DEVELOPMENT EXPERIENCES 4 HRS. (OC)
Prerequisite: Completion of CHILD 230 with a grade of “C” or better, or concurrent enrollment in CHILD 230, or department approval. This course deals with curriculum planning and program development. It considers the roles of the early childhood professionals in meeting the needs of individual children in group settings. Supervised observations and experiences in early childhood programs are included. Two lecture and six laboratory hours per week.

CHILD 241 CHILD DEVELOPMENT EXPERIENCES 6 HRS. (OC)
Prerequisite: CHILD 240 with a grade of “C” or better or department approval. This course is a continuation of CHILD 240. This course deals with curriculum planning and program development. It considers the roles of the early childhood professionals in meeting the needs of individual children in group settings. Supervised observations and experiences in early childhood programs are included. Two lecture and twelve laboratory hours per week or equivalent.

Chinese

CHN 110 ELEMENTARY MANDARIN CHINESE I 4 HRS. (TC)
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or “C” or better in ENGL 095 or with a grade of “C” or better in ENGL 095 or 099 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. Four lecture hours per week.

CHN 111 ELEMENTARY MANDARIN CHINESE II 4 HRS. (TC)
Prerequisite: CHN 110 or equivalent. This course is a continuation of CHN 110 with emphasis on listening, speaking, reading, and writing. This course is conducted primarily in Mandarin Chinese. Four lecture hours per week or equivalent.

CHN 210 INTERMEDIATE MANDARIN CHINESE III 4 HRS. (TC)
Prerequisite: CHN 111 or equivalent. This course is designed to develop integrated skills in reading, writing, listening, and speaking. The course is conducted primarily in Mandarin Chinese. Four lecture hours per week or equivalent.

CHN 211 INTERMEDIATE MANDARIN CHINESE IV 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and CHN 210 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. Four lecture hours per week. H1 900

Clinical Laboratory Technician

CLT 110 INTRODUCTION TO THE CLINICAL LABORATORY AND PHLEBOTOMY 2 HRS. (OC)
Prerequisite: Admission to the Clinical Laboratory Technician Program, Phlebotomy 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, micropuncture techniques, phlebotomy equipment, safe practices, and medicolegal aspects are also studied. One lecture and two laboratory hours per week.

CLT 111 CLINICAL LABORATORY SKILLS FOR MEDICAL ASSISTANTS 4 HRS. (OC)
Prerequisite: CLT 110 and admission to the Medical Assisting Program. 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 test and to properly clean and maintain lab equipment. Two lecture and four laboratory hours per week.

CLT 112 PHLEBOTOMY CLINICAL PRACTICUM 2 HRS. (OC)
Prerequisite: CLT 110 with a grade of “C” or better or department approval. This course is a phlebotomy clinical practicum consisting of supervised phlebotomy experiences in a local hospital. Venipunctures, micropunctures, safe techniques, interpersonal communication, ethics, and professionalism will be practiced. Six laboratory hours per week or equivalent.

CLT 115 INTRODUCTION TO GENERAL CLINICAL LABORATORY TECHNIQUES AND URINALYSIS 4 HRS. (OC)
Prerequisite: Admission to Clinical Laboratory Technician program or department approval. This course is an introduction to the clinical laboratory techniques which include pipetting techniques, dilutions, lab equipment, quality control, and urinalysis theory. Lectures, student laboratories and applied experience are included. Two lecture and six laboratory hours per week or equivalent.

CLT 116 FUNDAMENTALS OF IMMUNOLOGY & IMMUNOHEMATOLOGY 4 HRS. (OC)
Prerequisite: Admission to the Clinical Laboratory Technician Program. This course is a study of the basic principles and laboratory techniques of immunology and immunohematology. It will focus on antigen and antibody structures and how they relate to transfusion, donor services, and immune system disorders. Lectures and student laboratories are included. Two lecture and four laboratory hours per week or equivalent.

CLT 118 FUNDAMENTALS OF HEMATOLOGY AND HEMOSTASIS 5 HRS. (OC)
Prerequisite: CLT 116 with a grade of “C” or better. This course studies basic laboratory techniques in hematology and coagulation. The course focuses on theories and principles of normal blood cell production and abnormal blood cell production in disease processes. The course includes principles of coagulation and the laboratory techniques used in diagnosis of hemostatic and thrombotic disorders. Lecture and student laboratories are included. Four lecture and three laboratory hours per week or equivalent.

CLT 120 APPLIED CLINICAL EXPERIENCE I 3 HRS. (OC)
Prerequisite: CLT 116 with a grade of “C” or better. This course is a clinical experience in the disciplines of phlebotomy, urinalysis, immunohematology/blood banking, hematology, and immunology/serology. Nine laboratory hours per week or equivalent.

CLT 214 FUNDAMENTALS OF CLINICAL MICROBIOLOGY I 2.5 HRS. (OC)
Prerequisite: CLT 118 with a grade of “C” or better. This course is an introduction to clinical microbiology which includes collection and handling of biological specimens, bacteria identification techniques, and disease processes. Lecture and student laboratory are included. One and a half lecture and three laboratory hours per week or equivalent.

CLT 215 FUNDAMENTALS OF CLINICAL MICROBIOLOGY II 3 HRS. (OC)
Prerequisite: CLT 214 with a grade of “C” or better. This course is a continuation of CLT 214 and concentrates on the basics of anaerobic bacteria, acid fast organisms, parasites, and fungi, including their pathophysiology, epidemiology and associated diseases. A correlation between pathophysiology and laboratory findings is established. Lecture and student laboratories are included. Two lecture and three laboratory hours per week or equivalent.

CLT 216 FUNDAMENTALS OF CLINICAL CHEMISTRY I 3 HRS. (OC)
Prerequisite: CLT 214 with a grade of “C” or better. 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, acid-base balance, carbohydrates and trace elements. Lectures and student laboratories are included. Two lecture and three laboratory hours per week or equivalent.
Computer Management CISCO

CMCIS 147 FUNDAMENTALS OF VOICE AND DATA CABLELING I
Prerequisite: CMGEN 110 or department approval. 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 (BICS) Registered Installer, Level 1 certificate. 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. Three lecture and two laboratory hours per week.

CMCIS 151 NETWORK FUNDAMENTALS
Prerequisite: CMGEN 110 or equivalent or department approval. This is the first of four courses designed to provide students with classroom and laboratory experience in current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. 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 communication 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. Three lecture and two laboratory hours per week. (formerly DATPR 158)

CMCIS 152 ROUTING PROTOCOLS AND CONCEPTS
Prerequisite: CMCIS 151 with a grade of “C” or better. This is the second of four courses designed to provide students with classroom and laboratory experience in current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, the configuration of static routing and dynamic routing protocols, advanced IP addressing techniques, and various vasicrouter operations that enable configuring in a LAN environment for small and large networks; fundamental Ethernet operations, virtual local area network implementations, and basic wireless networks. Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics, and communication 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. Three lecture and two laboratory hours per week. (formerly DATPR 258)

CMCIS 153 LAN SWITCHING
Prerequisite: CMCIS 152 with a grade of “C” or better. This is the third of four courses designed to provide students with classroom and laboratory experience in current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, a detailed understanding how switches operate, are implemented, and configured in a LAN environment for small and large networks; fundamental Ethernet operations, virtual local area network implementations, and basic wireless networks. Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics, and communication 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. Three lecture and two laboratory hours per week. (formerly DATPR 258)

CMCIS 154 WAN COMMUNICATION
Prerequisite: CMCIS 153 with a grade of “C” or better. This is the fourth of four courses designed to provide students with classroom and laboratory experience in current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, principles of traffic control and access control lists as well as services and protocols at the data link and network layers that allow for wide-area access. Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics, and communication 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. Three lecture and two laboratory hours per week. (formerly DATPR 258)

CMCIS 155 CCNA CERTIFICATION REVIEW
Prerequisite: CMCIS 154 or CCNA or department approval. This course will review topics required to successfully pass the Cisco Certified Network Associate professional certification. One lecture hour per week.

CMCIS 156 CCNA VOICE
Prerequisite: CMCIS 154 with a grade of “C” or better, CCNA or department approval. This new CCNA specialization course is designed to provide students with classroom and laboratory experience in voice configurations. The current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, a continuation of all router and switch configurations with a specific focus on the Voice telecommunications. The emphasis of the CCNA Voice certification will focus on VoIP fundamentals including Cisco Unified Communications Manager Express Implementation, architecture, traditional telephony operations, IP Telephony, handset, call control and voicemail solutions with the use of Cisco Unity Call Manager Express and Smart Business Communications System Implementation. Two lecture and two laboratory hours per week.
CMCIS 157  CCNA WIRELESS  3 HRS. (OC)
Prerequisite: CMCIS 154 with a grade of “C” or better, CCNA or department approval. This new CCNA specialization course is designed to provide students with classroom and laboratory experience in wireless configurations. The current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, a continuation of all router and switch configurations with a specific focus on the Wireless technologies/fundamentals, basic Cisco WLAN installation, wireless clients, and security and administration. The emphasis of the CCNA Wireless course will focus on configuration, implementation and support of wireless LANs using Cisco equipment. This will include monitoring and troubleshooting for WLANs in a small and medium-sized business (SMB) and enterprise installations. Two lecture and two laboratory hours per week.

CMCIS 158  CCNA SECURITY  3 HRS. (OC)
Prerequisite: CMCIS 154 with a grade of “C” or better, CCNA or department approval. This new CCNA specialization course is designed to provide students with classroom and laboratory experience in security configurations. The current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, a continuation of all router and switch configurations with a specific focus on the security technologies/fundamentals, basic core security technologies and development of security policies and mitigating risks. This course will also address abilities to recognize vulnerabilities in networks and detection of potential security threats. Two lecture and two laboratory hours per week.

CMCIS 271  CCNP ROUTE  4 HRS. (OC)
Prerequisite: CMCIS 154 or CCNA certification or department approval. This course is designed to provide students with classroom and laboratory experience in current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, scalable internetworks, advanced IP addressing management, routing protocols, OSPF in a single and multiple areas, configuring EIGRP, route optimization, basic BGP, and integrating BGP into ISP networks. Three lecture and two laboratory hours per week.

CMCIS 273  CCNP SWITCH  4 HRS. (OC)
Prerequisite: CMCIS 271 with a grade of “C” or better or department approval. This course is designed to provide students with classroom and laboratory experience in current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, campus networks, switching, legacy media types, VLANs, trunking, STP, redundant links, multilayer switching, HSRP, multicasting, and security. Three lecture and two laboratory hours per week.

CMCIS 274  CCNP TROUBLESHOOTING  4 HRS. (OC)
Prerequisite: CMCIS 273 with a grade of “C” or better or department approval. This course is designed to provide students with classroom and laboratory experience in current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to, a comprehensive review of all router and switch configurations, support resources for troubleshooting, workgroup discovery labs and use of CCO accounts, and problems relating to TCP/IP, routers and switches, and frame relay. Three lecture and two laboratory hours per week. (formerly DATPR 274 )

The following courses are not currently being taught:
CMCIS 160  DESIGNING CISCO NETWORKS  3 HRS. (OC)
CMCIS 272  CCNP REMOTE ACCESS  4 HRS. (OC)
CMCIS 279  OPTIMIZING CONVERGED NETWORKS  4 HRS. (OC)

Computer Management General

CMGEN 090  FOUNDATIONAL COMPUTER SKILLS  3 HRS. (BEC)
Prerequisite: None. 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. Three lecture hours per week.

CMGEN 110  INTRODUCTION TO WINDOWS  3 HRS. (OC)
Prerequisite: None. 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. Two lecture and two laboratory hours per week.

CMGEN 120  COMPUTER APPLICATIONS  3 HRS. (OC)
Prerequisite: None. 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. Two lecture and two laboratory hours per week.

CMGEN 123  COMPUTER MATHEMATICS  3 HRS. (OC)
Prerequisite: MAT 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. Three lecture hours per week.

CMGEN 141  SPECIAL TOPICS  .5-3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

CMGEN 255  INDEPENDENT STUDY  1-5 HRS. (OC)
Prerequisite: None. 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 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 one to three times, up to a maximum of five semester hours of credit. Three to fifteen laboratory hours per week or equivalent.
CMNET 110  NETWORK CONCEPTS  3 HRS. (OC)
Prerequisite: None. 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. Two lecture and two laboratory hours per week.

CMNET 130  WINDOWS COMMAND LINE  3 HRS. (OC)
Prerequisite: None. This course provides students with the knowledge and skills required to utilize the commands and functions that are available from the Windows command line. Two lecture and two laboratory hours per week.

CMNET 140  WINDOWS ADMINISTRATION  3 HRS. (OC)
Prerequisite: CMGEN 110 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 desktop operating systems. Two lecture and two laboratory hours per week.

CMNET 150  COMPUTER HARDWARE INFRASTRUCTURE  3 HRS. (OC)
Prerequisite: None. This course introduces students to the underlying components of personal computers from hardware elements to the software that operates the computer. Students will be provided with the knowledge and skills required to perform computer hardware installation, maintenance, and problem resolution. Two lecture and two laboratory hours per week.

CMNET 151  OPERATING SYSTEM ENVIRONMENTS  3 HRS. (OC)
Prerequisite: None. This course will provide the practical knowledge and skills necessary to troubleshoot computer operating systems. Students will learn the fundamentals of Windows operating systems. Topics covered will include how to install, configure, upgrade, diagnose, and troubleshoot Windows operating systems. In addition, fundamental networking capabilities of these operating systems will be studied. Two lecture and two laboratory hours per week or equivalent.

CMNET 155  INTRODUCTION TO COMPUTER FORENSICS  3 HRS. (TC)
Prerequisite: None. The purpose of this course is to 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. Two lecture and two laboratory hours per week.

CMNET 160  INTRODUCTION TO NETWORK SECURITY  3 HRS. (OC)
Prerequisite: CMNET 110 with a grade of “C” or better or CMWEB 110 with a grade of “C” or better or CMCIS 151 with a grade of “C” or better or department approval. The purpose of this course is to 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 are not limited to authentication, remote access, intrusion detection, disaster recovery planning, security forensics, and security issues involved in e-mail, web, and wireless networks. Two lecture and two laboratory hours per week.

CMNET 190  WIRELESS NETWORKING  3 HRS. (OC)
Prerequisite: CMNET 110 with a grade of “C” or better or CMCIS 151 with a grade of “C” or better or department approval. The purpose of this course is to provide training for individuals who wish to administer, install, design, and support IEEE 802.11-compliant networks. Students will learn about the fundamental concepts behind wireless networking such as radio frequency basics, network architecture, and access methods as well as to apply this information in practical labs that range from configuration of access points to site-surveys. Two lecture and two laboratory hours per week.

CMNET 210  WINDOWS SERVER ADMINISTRATION  3 HRS. (OC)
Prerequisite: CMNET 110 with a grade of “C” or better or CMCIS 151 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 systems. Two lecture hours and two laboratory hours per week.

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. Two lecture and two laboratory hours per week.

CMNET 221  DESIGNING NETWORK INFRASTRUCTURE  3 HRS. (OC)
Prerequisite: CMNET 220 with a grade of “C” or better or department approval. This course provides students with the knowledge and skills required to design, implement, and maintain a Windows network infrastructure. Two lecture and two laboratory hours per week.

CMNET 226  SQL SERVER 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 install, configure, administer, and troubleshoot Microsoft SQL Server client/server database management system. Two lecture and two laboratory hours per week.

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. Two lecture hours and two laboratory hours per week.

CMNET 250  ADVANCED SECURITY TOPICS  3-4 HRS. (OC)
Prerequisite: CMNET 230 or concurrent enrollment 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. Two lecture and two laboratory hours per week.
CMNET 260 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. Fifteen field experience hours (minimum) and one seminar hour per week. This course may be repeated one time; however it may be used only once to fulfill the requirement for the Associate Degree. One lecture and fifteen laboratory hours per week.

CMNET 261 COMPUTER FORENSICS II
Prerequisite: CMNET 155 or department approval. The purpose of this course is to provide students a more in-depth look at computer forensics and the techniques used in computer forensic exams while utilizing Guidance Software EnCase Forensic utility. Students will learn advanced techniques for conducting computer forensic exams as well as participate in computer forensic examination exercises. Students will generate computer forensic exam reports and participate in mock computer forensic trials. Two lecture and two laboratory hours per week.

CMNET 267 CURRENT TOPICS IN UNIX
Prerequisite: CMPSC 249 with a grade of “C” or better. This course is designed to dynamically cover current topics in the UNIX operating environment. Coverage will include updates concerning hardware and software changes, security issues, and other advanced topics that do not warrant a complete course. Two lecture and two laboratory hours per week.

CMNET 268 SYSTEM INTEROPERABILITY
Prerequisite: CMNET 210 and CMPSC 249 with a grade of “C” or better. With the explosive growth of networks, there are many issues and challenges created by the interoperability surrounding different operating systems. The capability of operating systems to coexist, communicate, transact, and share data and applications is imperative. Students in this course will gain the knowledge of the tools used to integrate operating systems and maintain network interoperability. Two lecture and two laboratory hours per week.

CMNET 270 MESSAGING INFRASTRUCTURE ADMINISTRATION
Prerequisite: CMNET 210 with a grade of “C” or better and CMNET 220 (or concurrent enrollment) and CMNET 230 (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. Two lecture and two laboratory hours per week.

CMNET 280 FIREWALL ADMINISTRATION
Prerequisite: CMNET 210 with a grade of “C” or better or department approval. This course provides students with the knowledge and skills required to plan, install, configure, manage, monitor, and troubleshoot firewall, proxy, and caching services in local and wide-area network environments. Two lecture and two laboratory hours per week.

Computer Science

CMPSC 115 ESSENTIALS OF PROGRAMMING
Prerequisite: CMPSC 120 or CMGEN 110 with a grade of “C” or better or department approval. This course is designed to give students exposure to essential programming concepts. Its primary goal is to familiarize students to a disciplined approach to programming logic, problem-solving methods, and algorithm development. Using a PC-based programming language, 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 disciplined fashion. Two lecture and two laboratory hours per week.

CMPSC 120 BUSINESS COMPUTER SYSTEMS
Prerequisite: MAT 098 with a grade of “C” or better or equivalent. This course is designed for pre-baccalaureate students planning on majoring in business after transferring to a four-year college or university. Students are acquainted with the use of business packages including word processing, database, spreadsheet, and presentation software, as well as Internet access methods. In addition, operating systems and the basics of management information systems are covered. Two lecture and two laboratory hours per week.

CMPSC 124 EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC
Prerequisite: Proven MS Windows proficiency; or CMPSC 120, CMGEN 120, or CMGEN 110 with a grade of “C” or better. 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. Two lecture and two laboratory hours per week.

CMPSC 125 CS I: PROGRAMMING IN C++
Prerequisite: MAT 098 with a grade of “C” or better or equivalent. 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. Two lecture hours and two laboratory hours per week.

CMPSC 128 INTRODUCTION TO GAMES AND THEIR DESIGN
Prerequisite: None. This course presents a complete overview of the gaming industry with emphasis placed on learning the fundamental terminology. The principles of game design are covered in such a way that the student can see how they apply to the creation of a level or section of a game. In addition to the basic techniques, the student is introduced to the impact of visual design, theme, and atmosphere upon the enrichment of a game. Both 2D and 3D are covered along with limitations on design and the impact on the final product. Case studies reinforce these basic principles. Two lecture and two laboratory hours per week.

CMPSC 129 INTRODUCTION TO GAME PROGRAMMING
Prerequisite: MAT 098 or concurrent enrollment, and computer proficiency. This course teaches the design of games with emphasis on actual physics involved in making the game simulation realistic. Simulations of many common games objects are studied, including cars, ships, aircraft, and projectiles. The physics behind real-time simulations, collision theory, rigid body rotations, and particle systems are studied. This course illustrates how artificial intelligence (AI) can be added to a game design yielding a far more realistic game. AI principles of chasing, evading, flocking, pathfinding, fuzzy logic, probability, and neural networks are taught. Two lecture and two laboratory hours per week.
CMPSC 135  CS I: PROGRAMMING IN JAVA  3 HRS. (TC)
Prerequisite: MAT 098 with a grade of “C” or better or equivalent. The first in a sequence of Java programming courses. Introduces a disciplined approach to problem-solving and algorithm development, in addition to an introduction to procedural and data abstraction. Covers: selection, repetition, and sequence control structures; program design testing and documentation using good programming style; block-structured high-level programming languages; and arrays, records and files. Two lecture and two laboratory hours per week.

CMPSC 140  INTRODUCTION TO RELATIONAL DATABASES  3 HRS. (OC)
Prerequisite: CMPSC 115, 124, 125, or 215 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. Two lecture and two laboratory hours per week.

CMPSC 200  C# PROGRAMMING  3 HRS. (OC)
Prerequisite: CMPSC 212 or 235 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. Two lecture and two laboratory hours per week.

CMPSC 212  CS II: ADVANCED PROGRAMMING IN C++  3 HRS. (TC)
Prerequisite: CMPSC 125 with a grade of “C” or better or department approval. The second in the sequence of courses in C++ programming. 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. Two lecture and two laboratory hours per week. CS 912

CMPSC 215  COBOL AS A SECOND LANGUAGE  4 HRS. (OC)
Prerequisite: A grade of “C” or better in CMPSC 124 or CMPSC 125 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. Three lecture and two laboratory hours per week.

CMPSC 224  ADVANCED VISUAL BASIC  3 HRS. (OC)
Prerequisite: CMPSC 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. Two lecture and two laboratory hours per week.

CMPSC 235  CS II: ADVANCED PROGRAMMING IN JAVA  3 HRS. (OC)
Prerequisite: CMPSC 135 with a grade of “C” or better or department approval. The second in the sequence of courses in Java programming covers: design and implementation of large-scale programs; abstract data types; data structures (files, sets, pointers, lists, stacks, queues, trees, graphs); text processing; and an introduction to searching and sorting algorithms. Two lecture and two laboratory hours per week.

CMPSC 245  STRUCTURED QUERY LANGUAGE  3 HRS. (OC)
Prerequisite: CMPSC 140 with a grade of “C” or better or department approval. This course covering 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. Two lecture and two laboratory hours per week.

CMPSC 249  UNIX  3 HRS. (OC)
Prerequisite: None. This course is an introduction to UNIX. File handling, text editors and shell programming are discussed. Two lecture and two laboratory hours per week.

CMPSC 251  UNIX SYSTEM ADMINISTRATION  3 HRS. (OC)
Prerequisite: CMPSC 249 with a grade of “C” or better or comparable knowledge of UNIX. This course teaches methods for managing the tasks associated with operating a UNIX system. Basic administration issues, network handling concepts and security issues are discussed. Two lecture and two laboratory hours per week.

CMPSC 265  DATABASE ADMINISTRATION  3 HRS. (OC)
Prerequisite: CMPSC 245 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. Two lecture and two laboratory hours per week.

CMPSC 270  STRUCTURED SYSTEM ANALYSIS  3 HRS. (OC)
Prerequisite: CMPSC 212, CMPSC 215, or CMPSC 224 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. Two lecture and two laboratory hours per week.

The following courses are not currently being taught:

CMPSC 205  PROGRAMMING NON-GRAPHICAL GAMES  3 HRS. (OC)
CMPSC 210  WRITING DIRECTX WINDOWS GAMES  3 HRS. (OC)
CMPSC 220  WRITING NETWORK AND WEB-BASED GAMES  3 HRS. (OC)
CMPSC 232  OBJECT ORIENTED PROGRAMMING IN C++  3 HRS. (OC)
CMPSC 242  CS III: ADVANCED DATA STRUCTURES  3 HRS. (TC)
CMPSC 250  WINDOWS MFC PROGRAMMING  3 HRS. (OC)

Computer Management Web

CMWEB 110  HTML AND ADVANCED INTERNET  3 HRS. (OC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is designed to teach the use of tools available to access information on the Internet and to cover the basic creation of web pages using HTML. Included in the course are methods to access the World Wide Web, search for information, create web pages using HTML objects in a text editor, and transfer files (using File Transfer Protocol). Hardware and software considerations will be covered. Students will also be exposed to web-based collaborative technologies and will develop a solid understanding of the underlying standards and standards-making committees. Two lecture and two laboratory hours per week.
CMWEB 120 BUILDING WEB PAGES
WITH HTML AND CSS
3 HRS. (OC)
Prerequisite: CMWEB 110 or department approval. This course is designed to teach the fundamentals of 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 websites. Effective web page design and website architecture will be reviewed. Students will be exposed to the fundamentals of website project management as well as techniques to maintain a website. Tools that automate some processes will be discussed. Two lecture and two laboratory hours per week.

CMWEB 130 WEB TECHNOLOGY AND BUSINESS
3 HRS. (OC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department 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. Emphasis will be placed on the project management, legal issues, and business applications of web technologies. Integration of the website into business processes and infrastructure will be discussed. Two lecture and two laboratory hours per week.

CMWEB 140 ELECTRONIC COMMERCE
3 HRS. (OC)
Prerequisite: CMWEB 110 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. Emerging technologies and best practices will be examined. Two lecture and two laboratory hours per week.

CMWEB 141 WEB SPECIAL TOPICS
1-3 HRS. (OC)
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.

CMWEB 150 WEB ACCESSIBILITY
3 HRS. (OC)
Prerequisite: CMWEB 110 or department approval. This course is designed to provide the student with a foundation for creating accessible websites. 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 (W3C and WCAG 2.0) and legal requirements (Section 508). Coding techniques for accessible HTML and CSS will be emphasized. Two lecture and two laboratory hours per week.

CMWEB 155 WEB USER EXPERIENCE DESIGN
3 HRS. (OC)
Prerequisite: CMWEB 110 or department approval. This course will provide an introduction to the theory and practice of website (and web application) interface design. The goal is to create user interfaces which are intuitive to most visitors. Emphasis will be on the design of 2D graphical user interfaces. We will focus on design and evaluation methodologies in the field of user experience. Two lecture and two laboratory hours per week.

CMWEB 160 SCRIPTING FOR WEB DESIGNERS
3 HRS. (OC)
Prerequisite: CMWEB 120 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 websites. Those wishing more in-depth education will be encouraged to pursue the web developer track (CMWEB 200, CMWEB 240, and CMWEB 241). Two lecture and two laboratory hours per week.

CMWEB 200 JAVASCRIPT FOR WEB DEVELOPERS
3 HRS. (OC)
Prerequisite: CMWEB 120 and one of the following: CMWEB 160 or CMPSC 115, or 124, or 125 or department 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 (such as AJAX – Asynchronous XML and JavaScript). Two lecture and two laboratory hours per week.

CMWEB 220 WEBSITE DEVELOPMENT WITH CSS
3 HRS. (OC)
Prerequisite: CMWEB 120 or department approval. This course is designed to teach the use of web standards in development of websites. Emphasis is placed on CSS and cross browser development issues. Student completing this course will understand advanced approaches to maintaining large websites with appropriate tools and methodologies. Tools that automate these processes will be discussed. Two lecture and two laboratory hours per week.

CMWEB 225 FLASH FUNDAMENTALS AND ACTIONSCRIPT 3 HRS. (OC)
Prerequisite: CMWEB 160 or department approval. This course is designed to teach the practical use of Flash in a WWW environment. Students will be exposed to the basics of the Flash development environment and will learn the fundamentals of Flash Actionscript. The syntax of Actionscript will be reviewed in detail (including debugging). Two lecture and two laboratory hours per week.

CMWEB 230 FLASH GAME DEVELOPMENT
3 HRS. (OC)
Prerequisite: CMWEB 150 or department approval. This course is designed to teach the fundamentals of game development using Macromedia’s Flash environment. Although the basics of Flash are a prerequisite, the use of Actionscript and Actionscript objects will be included. This involves interactions with the visitor along with interfaces to store high scores. Fundamental principles of game development (including storyboarding) will be included. Two lecture and two laboratory hours per week.

CMWEB 235 RICH INTERNET APPLICATIONS
WITH FLEX AND AJAX
3 HRS. (OC)
Prerequisite: CMWEB 160 and 225 or department approval. This course is designed to teach the fundamentals of application development architected on current RIA technologies (such as AJAX and FLEX). Interfaces to databases (and XML data stores) will be stressed along with development and deployment of websites that behave more like desktop applications. Two lecture and two laboratory hours per week.

CMWEB 240 WINDOWS WEB SERVER SIDE SCRIPTING WITH ASP.NET
3 HRS. (OC)
Prerequisite: CMWEB 120 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. Validation of data submitted via web forms will be reviewed along with interactions with databases and XML data stores. Web services will also be discussed. Two lecture and two laboratory hours per week.

CMWEB 241 PHP
3 HRS. (OC)
Prerequisite: CMWEB 160 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 a review of session management (including cookies), utilization of data stores, creating and consuming web services, and interactions with databases. Two lecture and two laboratory hours per week.

CMWEB 250 XML, XSL, AND RELATED TECHNOLOGIES 3 HRS. (OC)
Prerequisite: CMWEB 120 or department approval. This course is designed to cover the fundamentals of XML and XSL. Well-formed XML documents will be validated with various approaches (such as DTDs, Schemas, and RELAX NG schemas). There will be emphasis on DOM, AJAX, and related technologies. Web services will be created and consumed using various tools. Formatting of XML documents with XSL (including XSLT and XSL-FO) and CSS will be reviewed. Current technologies and emerging technologies based on XML will be reviewed. Two lecture and two laboratory hours per week.

CMWEB 260 WEB INTERNSHIP 1 HR. (OC)
Prerequisite: Department approval. In cooperation with the Web Internship Coordinator, each student is assisted in locating an appropriate web client organization (or web project) where a minimum of fifteen hours per week of on-the-job work experience is provided (or the equivalent hours of experience working on an approved web project). 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 twice; however it may be used only once to fulfill the requirement for the Associate Degree. Fifteen field experience hours (minimum) and one semester hour per week.

CMWEB 270 WEB APPLICATION SECURITY 3 HRS. (OC)
Prerequisite: CMWEB 120 or CMNET 160 or department approval. The purpose of this course is to introduce students to the fundamentals of securing web applications and establish a baseline for their further investigations into this rapidly evolving subject. Students will be exposed to the basics of web applications (including terminology and coding standards) on a variety of web platforms. Students may be asked to sign a waiver that they will only use this knowledge to defend the sites they create/maintain from attack. Two hours lecture and two laboratory hours per week.

CMWEB 280 WEB PAGE DEVELOPMENT FOR MOBILE DEVICES 3 HRS. (OC)
Prerequisite: CMWEB 160 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 websites which can dynamically adapt to small screen size viewports. Students will also learn how to develop applications relying on accepted industry tools which can be used to create specific files (such as .apk for Android devices). Two lecture and two laboratory hours per week.

CMWEB 290 WEB SERVER ADMINISTRATION 3 HRS. (OC)
Prerequisite: CMWEB 120 or CMCSIS 151 or department approval. This course is designed to teach web server administration (Microsoft software, open source Linux software, and commercial hosting providers). Planning, configuration, and maintenance will be stressed. Installation of selected applications will be covered. Server security will be discussed. Network fundamentals for webmasters will be presented. Support for supplementary technologies (and packages) will be presented. Two lecture and two laboratory hours per week.

Communication

COMM 106 THE LISTENING LEARNER 1 HR. (TC)
Prerequisite: None. This course introduces the student to the ideals and basic 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. One lecture hour per week.

COMM 107 COMMUNICATION APPREHENSION 1 HR. (TC)
Prerequisite: None. 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 to 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. One lecture hour per week.

COMM 108 VOICE AND DIALECT 1 HR. (TC)
Prerequisite: None. 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. One lecture hour per week.

COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. C2 900

COMM 113 BUSINESS AND PROFESSIONAL SPEAKING 3 HRS. (TC)
Prerequisite: None. This course is intended to help students by providing them with a variety of practical communication experiences. Such experiences would include: informal conversations, role-playing dialogues, problem-solving discussions, panel presentations, and individual presentations of information and ideas of concern to business and industry. Three lecture hours per week.

COMM 115 INTRODUCTION TO PUBLIC RELATIONS 3 HRS. (TC)
Prerequisite: None. This course provides an overview of the practices, theories, ethics, issues, and problems of public relations, and it allows the student to develop an appreciation for, and an understanding of, public relations. Three lecture hours per week.

COMM 116 ORAL INTERPRETATION 3 HRS. (TC)
Prerequisite: None. 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 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. Three lecture hours per week.

COMM 118 COMMUNICATION PRACTICUM I 1 HR. (TC)
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. Two laboratory hours per week.

COMM 119 COMMUNICATION PRACTICUM II 1 HR. (TC)
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. Two laboratory hours per week.
COMM 120  INTERPERSONAL COMMUNICATION  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

COMM 155  COMMUNICATION INTERNSHIP I  1-3 HRS. (TC)
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. Five laboratory hours per week. (Repeatable up to a maximum of three semester hours of credit.)

COMM 203  COMMUNICATION: GROUP DYNAMICS  3 HRS. (TC)
Prerequisite: COMM 110 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. Three lecture hours per week.

COMM 204  INTERCULTURAL COMMUNICATION  3 HRS. (TC)
Prerequisite: None. This course is designed to be a survey of communication with emphasis on the communicative variables of culture. It covers intercultural communicative theory, nonverbal communication, verbal communication and group communication. This course is recommended for any student who wishes to learn the dynamics of intercultural communication and for students majoring in communication. Three lecture hours per week.

COMM 212  PUBLIC SPEAKING  3 HRS. (TC)
Prerequisite: None. This course is designed to provide the student with additional 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. Three lecture hours per week.

COMM 218  COMMUNICATION PRACTICUM III  1 HR. (TC)
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. Two laboratory hours per week.

COMM 219  COMMUNICATION PRACTICUM IV  1 HR. (TC)
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. Two laboratory hours per week.

COMM 222  READER’S THEATRE  3 HRS. (TC)
Prerequisite: None. This course concentrates on the study of various styles and techniques of Oral Interpretation 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.

COMM 245  INTRODUCTION TO COMMUNICATION THEORY
Prerequisite: COMM 110 or department approval. This course is designed to introduce basic concepts, areas of inquiry and current theories in the discipline of speech communication. Three lecture hours per week.

COMM 248  TOPICS IN PUBLIC RELATIONS  1-3 HRS. (TC)
Prerequisite: COMM 115 or department approval. This course is a special topics course that will be adjusted on an ongoing 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 special topics course work within the public relations program. Lecture hours per week will vary depending upon the credit given and course content in each section offered. (Repeatable up to a maximum of three semester hours of credit.)

COMM 255  COMMUNICATION INTERNSHIP II  1-3 HRS. (TC)
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. Five laboratory hours per week. (Repeatable up to a maximum of three semester hours of credit.)

**Criminal Justice**

CRJ 110  INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

CRJ 111  SELECTED TOPICS  1-3 HRS. (TC)
Prerequisite: None. 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. One to three lecture hours per week or equivalent.

CRJ 112  POLICE OPERATIONS  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

CRJ 113  INTRODUCTION TO HOMELAND SECURITY  3 HRS. (OC)
Prerequisite: None. This course is intended to provide a comprehensive overview of the issues, concepts, and responses related to homeland security. Students will examine threats to homeland security, including threats of international and domestic terrorism, weapons of mass destruction, and natural and technological disasters. Students will review the roles and responsibilities of government agencies and the relation and effect of government response on private entities and individual citizens during a homeland security crisis scenario. Three lecture hours per week.

CRJ 114  INTRODUCTION TO CORRECTIONS  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week. CRJ 911
CRJ 115  BASIC TRAINING FOR PRIVATE SECURITY OFFICERS  2 HRS. (OC)
Prerequisite: None. This course is designed to meet minimum basic requirements as set forth by the State of Illinois Criminal Code for certification of private security officers. This course provides a basic foundation of knowledge of security methods and applicable laws; it does not include firearms safety training or certification. Two lecture hours per week or equivalent.

CRJ 116  INTRODUCTION TO INDUSTRIAL AND BUSINESS SECURITY  3 HRS. (OC)
Prerequisite: None. This course presents a survey of the organization and management of security and loss prevention/control functions in industry, business, government and institutions. It will review the theory and practice involved in the protection of personnel, facilities and other assets, as well as related administrative, legal, and technical problems and considerations. Three lecture hours per week or equivalent.

CRJ 118  JUVENILE DELINQUENCY  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week. CRJ 914

CRJ 119  CORRECTIONAL LAW  3 HRS. (TC)
Prerequisite: None. This course covers legal issues in institutional and community-based correctional settings with emphasis on the development of strategies to limit legal liabilities of agencies and personnel. Three lecture hours per week.

CRJ 121  PROFESSIONAL STANDARDS IN CRIMINAL JUSTICE  3 HRS. (TC)
Prerequisite: CRJ 110. 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 and policy making ethics, 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. Three lecture hours per week.

CRJ 122  UNDERSTANDING TERRORISM  3 HRS. (OC)
Prerequisite: None. This course covers terrorist activities aimed at achieving radical changes around the world with violence. Topics include the identification of terrorist groups who are willing to kill innocent people by the use of explosives, weapons, and other violent means; and the action by governments to counter terrorism. Upon completion, the student will have a good understanding of terrorism around the world. Three lecture hours per week.

CRJ 124  SECURITY FIREARMS CERTIFICATION  1 HR. (OC)
Prerequisite: Possession of a valid Illinois Firearms Owners Identification Card and a valid Permanent Employee Registration Card. This course provides the student with training in the safe handling of firearms including: storage, cleaning and firing, Illinois law on possession, use and storage of weapons, as well as the law of self-defense are covered in the course. The course includes classroom instruction and instruction on the firing range. A weapon and ammunition will be provided. One-half lecture and one laboratory hour per week.

CRJ 130  INTRODUCTION TO INVESTIGATION  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

CRJ 165  COMMUNITY-BASED CORRECTIONS  3 HRS. (OC)
Prerequisite: None. This is an introduction to the types of services, administrative organizations, investigations and supervision of parole and probation within the legal structures of society. Also included are terms and conditions, modifications and revisions of probation. The role and responsibilities of probation and parole officers will be discussed. Three lecture hours per week or equivalent.

CRJ 180  D.A.R.E. OFFICER TRAINING  5 HRS. (OC)
Prerequisite: Department approval. This course presents law enforcement officers who have been selected by their agencies to conduct this training with the Drug Abuse Resistance Education (D.A.R.E.) curriculum and with the methods to instruct elementary and middle school students. Enrollment in the course is limited to law enforcement officers who have been approved by D.A.R.E. America to receive this training. Five lecture hours per week or equivalent.

CRJ 190  9-1-1 TELECOMMUNICATOR I  3 HRS. (OC)
Prerequisite: None. This course covers the fundamentals of calling-taking and dispatching emergency calls, specifically for the police, fire and emergency medical service (EMS) departments. Three lecture hours per week.

CRJ 191  9-1-1 TELECOMMUNICATOR II  3 HRS. (OC)
Prerequisite: CRJ 190 with a grade of “C” or better. This course covers the fundamentals of calling-taking and dispatching emergency calls, specifically for the police, fire and emergency medical service (EMS) departments, Part II. Three lecture hours per week.

CRJ 201  INTERNSHIP IN CRIMINAL JUSTICE  3 HRS. (OC)
Prerequisite: CRJ 110 or department approval. 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 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. One lecture and ten internship hours per week or equivalent.

CRJ 225  CRIMINAL LAW  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

CRJ 226  CRIMINAL LAW AND PROCEDURE  3 HRS. (TC)
Prerequisite: None. This course covers current Illinois criminal law and procedure including the law of arrest, search and seizure, and interview and interrogation. Civil liability of law enforcement personnel is discussed. Three lecture hours per week.

CRJ 227  ADMINISTRATION OF JUSTICE  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

CRJ 230  COURT PROCEDURES AND EVIDENCE  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.
CRJ 240  ADVANCED CRIMINAL INVESTIGATION  3 HRS. (OC)
Prerequisite: CRJ 130 and ENGL 110. This course emphasizes the practical aspects of gathering, organizing, and preparing documents specific for criminal justice matters on the local, state, and federal levels of law enforcement. It will cover the techniques of communicating facts, information, and ideas effectively in a simple, clear, and logical manner. It includes various types of criminal justice system reports, letters, memoranda, directives, and administrative reports. Students will gain practical experience in note-taking, documentation of crime scenes, and investigations for preparation and testimony in court. Three lecture hours per week.

CRJ 250  POLICE ORGANIZATION AND ADMINISTRATION  3 HRS. (TC)
Prerequisite: None. This course is designed to acquaint the student with basic management and leadership skills as they pertain to professional police management. Three lecture hours per week.

CRJ 252  CORRECTIONAL ADMINISTRATION  3 HRS. (OC)
Prerequisite: None. This course covers both the theory and practice of managing a correctional facility. The course covers the role of correctional administrators and the challenges that they face in establishing policies and procedures for their institutions. Three lecture hours per week or equivalent.

CRJ 255  INDEPENDENT STUDY  1-5 HRS. (OC)
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. This course is repeatable up to a maximum of five semester hours of credit. Three to fifteen laboratory hours per week or equivalent.

CRJ 282  SECURITY MANAGEMENT  3 HRS. (TC)
Prerequisite: None. This course presents students with the principles of management applied to a security setting. Topics included in the course are planning, budgeting, personnel management, training, and organizing. Three lecture hours per week.

CRJ 283  EMERGENCY MANAGEMENT  3 HRS. (OC)
Prerequisite: None. This course focuses on the elements of the emergency management process applied to disasters. Topics included in this course are incident command, risks, hazards, impact studies, and simulations. Three lecture hours per week.

The following course is not currently being taught:

CRJ 235  TRAFFIC ADMINISTRATION  3 HRS. (OC)

Crime Scene Technology

CST 255  INDEPENDENT STUDY  1-5 HRS. (OC)
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 with 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. Three to fifteen laboratory hours per week or equivalent.

Custodian Training

The following courses are not currently being taught:

CUST 101  FLOOR CARE  2 HRS. (OC)
CUST 102  FURNITURE, WALL, WINDOW AND FIXTURE CARE  2 HRS. (OC)
CUST 103  AREA CLEANING PROGRAMS  3 HRS. (OC)

Drug & Alcohol Counselor Training

DACT 105  INTRODUCTION TO SUBSTANCE ABUSE AND RECOVERY  3 HRS. (OC)
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 (e.g., AA, NA) options and methods for recovery from substance use disorders. Three lecture hours per week.

DACT 110  FOUNDATIONS I  3 HRS. (OC)
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 in-patient and residential treatment and accepted procedures for intake, discharge, confidentiality, and client rights. Three lecture hours per week.

DACT 111  ADDICTION COUNSELING I  3 HRS. (OC)
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. Three lecture hours per week.

DACT 112  FOUNDATIONS II  3 HRS. (OC)
Prerequisite: DACT 110 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. Three lecture hours per week.

DACT 113  ADDICTION COUNSELING II  3 HRS. (OC)
Prerequisite: DACT 111 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. Three lecture hours per week.

DACT 141  SPECIAL TOPICS IN ADDICTIONS STUDIES  1 HR. (OC)
Prerequisite: Department approval. This course explores major issues facing correctional employees in the realm of addictionology. Repeatable up to three times. One lecture hour per week.
DANCE 110 BEGINNING TECHNIQUES OF CLASSICAL BALLET 2 HRS. (TC)
Prerequisite: None. 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. One lecture and two laboratory hours per week.

DANCE 120 INTERMEDIATE TECHNIQUES OF CLASSICAL BALLET 2 HRS. (TC)
Prerequisite: DANCE 110 or department approval. This course is a continuation of beginning ballet techniques with concentration placed on center floor work, development of movement patterns and allegro combinations. One lecture and two laboratory hours per week.

DANCE 130 JAZZ DANCE I 1 HR. (TC)
Prerequisite: None. 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. One lecture and one laboratory hour per week.

DANCE 131 JAZZ DANCE II 2 HRS. (TC)
Prerequisite: DANCE 130 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.

DANCE 140 MODERN DANCE I 1 HR. (TC)
Prerequisite: None. 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. One lecture and one laboratory hour per week.

DANCE 141 MODERN DANCE II 2 HRS. (TC)
Prerequisite: DANCE 140 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. One lecture and three laboratory hours per week.

DANCE 150 TAP DANCE I 1 HR. (TC)
Prerequisite: None. 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. One lecture and one laboratory hour per week.

DANCE 151 TAP DANCE II 2 HRS. (TC)
Prerequisite: DANCE 150 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. One lecture and three laboratory hours per week.

DANCE 210 ADVANCED TECHNIQUES OF CLASSICAL BALLET I 2 HRS. (TC)
Prerequisite: DANCE 120 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.

DANCE 211 ADVANCED TECHNIQUES OF CLASSICAL BALLET II 2 HRS. (TC)
Prerequisite: DANCE 210. 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.

Dental Assisting

The following courses are not currently being taught:

DENTA 110 DENTAL ASSISTING SCIENCE I 3 HRS. (OC)
DENTA 111 DENTAL MATERIALS 4 HRS. (OC)
DENTA 112 FUNDAMENTALS OF DENTAL ASSISTING 5 HRS. (OC)
DENTA 116 INTRODUCTION TO DENTAL ASSISTING 1 HR. (OC)
DENTA 117 RADIOLOGY FOR DENTAL ASSISTING 3 HRS. (OC)
DENTA 118 INFECTION CONTROL FOR THE DENTAL OFFICE 1 HR. (OC)
DENTA 121 DENTAL ASSISTING RADIOLOGY II 1 HR. (OC)
DENTA 122 DENTAL ASSISTING EXTERNSHIP 5 HRS. (OC)
DENTA 123 DENTAL OFFICE PRACTICE & PROCEDURES 2 HRS. (OC)
DENTA 125 COMPUTER SOFTWARE APPLICATIONS FOR DENTISTRY 1 HR. (OC)
DENTA 126 ORAL HEALTH AND NUTRITION 2 HRS. (OC)
DENTA 128 FUNDAMENTALS OF DENTAL ASSISTING II 2 HRS. (OC)
Dental Hygiene

**DHYGN 110 DENTAL SCIENCE I** 3 HRS. (OC)
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. Two lecture and two laboratory hours per week.

**DHYGN 111 DENTAL SCIENCE II** 3 HRS. (OC)
Prerequisite: DHYGN 110, 113, 115, 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. Three lecture hours per week.

**DHYGN 113 FUNDAMENTALS OF DENTAL HYGIENE AND INFECTION CONTROL** 1.5 HRS. (OC)
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. One lecture hour per week.

**DHYGN 115 INTRODUCTION TO DENTAL HYGIENE** 1 HR. (OC)
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 an overview of selected specialty areas in dentistry. Students will also be acquainted with services available at ICC, procedures for obtaining a license in Illinois, self awareness, and basic dental terminology. One lecture hour per week.

**DHYGN 117 DENTAL SPECIALTIES** 1 HR. (OC)
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. One lecture and one laboratory hour per week.

**DHYGN 131 INTRODUCTION TO DENTAL HYGIENE CLINICAL APPLICATIONS** 2 HRS. (OC)
Prerequisite: DHYGN 110, 113, 115, 117, BIOL 210, and FCS 110 (or concurrently), all 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. Two lecture hours per week.

**DHYGN 133 PRECLINICAL DENTAL HYGIENE** 2 HRS. (OC)
Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of "C" or better, or department approval. 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. Six laboratory hours per week.

**DHYGN 135 DENTAL RADIOLOGY** 3 HR (OC)
Prerequisite: DHYGN 110, 113, 115, and 117 all with a grade of "C" or better or department approval. 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. Two lecture and three laboratory hours per week.

**DHYGN 137 MEDICAL EMERGENCIES** 1 HR. (OC)
Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of "C" or better, or department approval. This course is a study of recognition, evaluation, treatment, and prevention of medical emergency situations that may occur in dental office settings. One lecture hour per week.

**DHYGN 139 SPECIAL POPULATIONS** 1 HR. (OC)
Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of "C" or better, or department approval. 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. One lecture hour per week.

**DHYGN 210 COMMUNITY DENTAL HEALTH** 3 HRS. (OC)
Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better, or department approval. 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. Three lecture hours per week.

**DHYGN 212 DENTAL MATERIALS** 2 HRS. (OC)
Prerequisite: DHYGN 111, 131, 133, 135, 137, and 139, all with a grade of "C" or better, or department approval. 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. One lecture and two laboratory hours per week.

**DHYGN 220 NITROUS OXIDE ANALGESIA** .5 HRS. (OC)
Prerequisite: DHYGN 110, 111, 131, 133, 135, 137, and 139, all with a grade of "C" or better, or department approval. 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. One-half lecture and one-half laboratory hour per week or equivalent.

**DHYGN 222 PREVENTIVE MODALITIES** 3 HRS. (OC)
Prerequisite: DHYGN 111, 131, 133, 135, 137, 139, and FCS 110, all with a grade of "C" or better or department approval. 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 it relates to oral health. Student partners are used in the laboratory sessions. Two lecture and two laboratory hours per week.

**DHYGN 226 LOCAL ANESTHETICS FOR THE DENTAL HYGIENIST** 1 HR. (OC)
Prerequisite: DHYGN 110, 212, 220, 222, 230, and 243, all with a grade of "C" or better, or department approval. 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. One lecture and one-half laboratory hour per week or equivalent.

**DHYGN 228 NEW DIMENSIONS IN DENTAL HYGIENE** 2 HRS. (OC)
Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better, or department approval. 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. One lecture and two laboratory hours per week.
DHYGN 230 DENTAL HYGIENE CLINIC I 2 HRS. (OC)
Prerequisite: DHYGN 111, 131, 133, 135, 137, and 139, all with a grade of "C" or better, or department approval. 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. Six laboratory hours per week.

DHYGN 231 DENTAL HYGIENE CLINIC II 5 HRS. (OC)
Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better, or department approval. This course is a continuation of DHYGN 231 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. Fifteen laboratory hours per week.

DHYGN 232 DENTAL HYGIENE CLINIC III 4 HRS. (OC)
Prerequisite: DHYGN 210, 226, 228, 231, 244, and 245, all with a grade of "C" or better, or department approval. This course is a continuation of DHYGN 232 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. Twelve laboratory hours per week.

DHYGN 243 ORAL PATHOLOGY I 1 HR. (OC)
Prerequisite: DHYGN 111, 131, 133, 135, 137, and 139, 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. One lecture hour per week.

DHYGN 244 PERIODONTOLOGY 2 HRS. (OC)
Prerequisite: DHYGN 212, 220, 222, 230, 243 and BIOL 210, all with a grade of "C" or better, or department approval. 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. Two lecture hours per week.

DHYGN 245 ORAL PATHOLOGY II 2 HRS. (OC)
Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better, or department approval. This course is a continuation of Oral Pathology I, covering additional categories of diseases affecting the oral cavity, including their diagnosis and treatment. Two lecture hours per week.

DHYGN 246 TRANSITIONS FOR THE DENTAL HYGIENIST 3 HRS. (OC)
Prerequisite: DHYGN 210, 226, 228, 231, 244, and 245, all with a grade of "C" or better, or department approval. 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. Three lecture hours per week.

DHYGN 247 OFFICE PRACTICES IN DENTISTRY 1.5 HRS. (OC)
Prerequisite: DHYGN 210, 226, 228, 231, 244, and 245, all with a grade of "C" or better, or department approval. 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. One lecture and one laboratory hour per week.

DHYGN 248 PHARMACOLOGY I FOR DENTAL HYGIENISTS 1 HR. (OC)
Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better, or department approval. 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 I will concentrate on general principles of pharmacology and drugs used in the provision of oral healthcare. One lecture hour per week.

DHYGN 249 PHARMACOLOGY II FOR DENTAL HYGIENISTS 1 HR. (OC)
Prerequisite: DHYGN 210, 226, 228, 231, 244, 245 and 248 all with a grade of "C" or better, or department approval. 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 will concentrate on drugs used in the provision of oral health care, drugs used to control systemic disorders, and drugs used by special populations. One lecture hour per week.

DHYGN 255 INDEPENDENT STUDY 1-5 HRS. (OC)
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. Three to fifteen laboratory hours per week or equivalent.

The following course is not currently being taught:

DHYGN 242 PHARMACOLOGY FOR DENTAL HYGIENISTS 3 HRS. (OC)

Diesel Powered Equipment Technology

DPET 041 SMALL ENGINE SERVICE AND REPAIR 1 HR. (VSC)
Prerequisite: None. This course is designed for the owner-operator of lawn and garden equipment engines. Emphasis will be placed on preventive maintenance and service. Laboratory exercises include performance of operational checks on fuel, air, exhaust, cooling and electrical systems. Economic and ecological importance of properly adjusted engines will be stressed. Eight three-hour sessions or equivalent. One-half lecture and one laboratory hour per week. (formerly AGMEC 041)

DPET 130 PRINCIPLES OF INTERNAL COMBUSTION ENGINES 4 HRS. (OC)
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 disassembly, measurement of components, repair and reassembly of both single and multi-cylinder engines. Two lecture and six laboratory hours per week.
DPET 132 ELECTRICAL SYSTEMS OF HEAVY EQUIPMENT 3 HRS. (OC)
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. Two lecture and three laboratory hours per week.

DPET 133 ENGINE REBUILDING, THEORY AND PRACTICE 3 HRS. (OC)
Prerequisite: Department approval. This course covers valve servicing, cylinder reconditioning, bearing and seal installation and analysis of engine components. Opportunity for learning by doing will be available in this course. One and one-half lecture hours and four and one-half laboratory hours per week.

DPET 134 AIR CONDITIONING OF HEAVY EQUIPMENT 2 HRS. (OC)
Prerequisite: Department approval. 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. One lecture and three laboratory hours per week.

DPET 229 HYDRAULICS 3 HRS. (OC)
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 on developing student competencies in the areas of servicing and maintaining hydraulic equipment. Laboratory practices include disassembly and reassembly of components and circuits. Two lecture and three laboratory hours per week.

DPET 230 HARVESTING EQUIPMENT 2 HRS. (OC)
Prerequisite: Department approval. This is a course to develop knowledge and skills necessary in adjustment, repair, and maintenance of harvesting equipment. One lecture and three laboratory hours per week.

DPET 231 PLANTING AND TILLAGE EQUIPMENT 2 HRS. (OC)
Prerequisite: Department approval. 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. One lecture and three laboratory hours per week.

DPET 232 TRANSMISSIONS AND FINAL DRIVE 3 HRS. (OC)
Prerequisite: Department approval. This course is a study of the various transmissions and differentials used in agricultural, heavy equipment and the trucking industry, including constant mesh, sliding gear, hydrostatic, synchromesh and the newer transmissions involving planetarys. An understanding of the operation, maintenance and adjustment of the clutch and brakes will be an integral part of this course. Two lecture and three laboratory hours per week.

DPET 233 OCCUPATIONAL INTERNSHIP AND SEMINAR I 4 HRS. (OC)
Prerequisite: Department approval. This supervised experience is required of students enrolled in the Diesel Powered Equipment Technology program. The placement experience is obtained through the cooperation of an employer. Student needs and objectives determine major emphasis. Twenty-five hours per week or equivalent.

DPET 234 INTRODUCTION TO DIESEL FUEL SYSTEMS 2 HRS. (OC)
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, disassembly, repair, and reassembly will also be covered. One lecture hour and three laboratory hours per week.

DPET 235 ELECTRONIC CONTROLS/ MONITORING SYSTEMS 3 HRS. (OC)
Prerequisite: Department approval. 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. Two lecture and three laboratory hours per week.

DPET 236 HYDRAULIC SYSTEM ANALYSIS AND REPAIRS 3 HRS. (OC)
Prerequisite: Department approval. This course is designed for inspecting, testing, and servicing hydraulic circuits, systems, and components, such as power steering, power brakes, and hydraulic transmissions. Appropriate testing procedures and equipment will be utilized. Two lecture and six laboratory hours per week.

DPET 238 OCCUPATIONAL INTERNSHIP AND SEMINAR II 4 HRS. (OC)
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. Twenty-five hours per week or equivalent.

DPET 239 POWER TRAIN DIAGNOSTICS 2 HRS. (OC)
Prerequisite: Department approval. This course will acquaint the student with power train diagnostics. 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. One lecture and three laboratory hours per week.

DPET 240 SERVICE CENTER MANAGEMENT 1 HR. (OC)
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. One lecture hour per week.

DPET 241 MECHANICAL DIESEL FUEL SYSTEMS 3 HRS. (OC)
Prerequisite: Department approval. This course provides a thorough understanding of mechanical diesel fuel injection systems. Emphasis will be placed on skills and knowledge necessary to locate and correct operation malfunctions. Two lecture and three laboratory hours per week.

DPET 242 ELECTRONIC FUEL SYSTEMS 3 HRS. (OC)
Prerequisite: Department approval. 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. Two lecture and three laboratory hours per week.

DPET 243 ENGINE PERFORMANCE ANALYSIS 2 HRS. (OC)
Prerequisite: Department approval. 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. Two three-hour laboratory hours per week.

DPET 245 TRUCK SUSPENSION, BRAKES AND CHASSIS 3 HRS. (OC)
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. Two lecture and three laboratory hours per week.

DPET 246 INDUSTRY QUALIFICATIONS 2 HRS. (OC)
Prerequisite: Department approval. This course will demonstrate students’ proficiency relative to Cummins Engine product. Two lecture hours per week.
Earth Science

EASC 111  SURVEY OF EARTH SCIENCE  4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course surveys the four major 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. Three lecture and two laboratory hours per week. P1 905L

EASC 116  INTRODUCTION TO GEOLOGY  4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is an introduction to 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. Three lecture and two laboratory hours per week. P1 907L

EASC 118  INTRODUCTION TO WEATHER AND CLIMATE  4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, and MAT 094 with a grade of “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 studies 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. Three lecture and two laboratory hours per week. P1 905L

EASC 250  FIELD GEOLOGY  4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course includes field studies in 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. P1 907

Economics

ECON 105  SURVEY OF ECONOMIC PRINCIPLES  3 HRS. (OC)
Prerequisite: MAT 094 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. Three lecture hours per week.

ECON 110  PRINCIPLES OF MACROECONOMICS  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and MAT 094 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. Three lecture hours per week. S3 901

ECON 111  PRINCIPLES OF MICROECONOMICS  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and MAT 094 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. Three lecture hours per week. S3 902

Education

EDUC 111  INTRODUCTION TO AMERICAN EDUCATION  3 HRS. (TC)
Prerequisite: Reading placement exam score of 85 or department approval. 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 and interaction with child learners and practitioners at work, according to specified guidelines. Three lecture hours per week.

EDUC 211  INTRODUCTION TO THE EXCEPTIONAL INDIVIDUAL  3 HRS. (TC)
Prerequisite: EDUC 111 and PSY 110 or CHILD 120. 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. Three lecture hours per week.

EDUC 212  FIELD EXPERIENCE IN EDUCATION  2 HRS. (TC)
Prerequisite: EDUC 111. 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. One lecture and three laboratory hours per week.
EDUC 230 INSTRUCTIONAL TECHNOLOGY 3 HRS. (TC)
Prerequisite: Keyboarding; basic skill in word processing, spreadsheet, and database programs. This course will provide pre-service and certified K-12 teachers with experiences in designing, developing and/or selecting appropriate instructional technology for personal and professional growth; supporting and/or delivering instruction, communicating and managing the classroom. The course’s objectives are aligned with the Illinois Teachers’ Professional Teaching Standards and the core technology standards, which are based on the standards described by the International Society for Technology in Education (ISTE), for the National Council for the Accreditation of Teacher Education (NCATE), and the National Education Technology Standards for Students (NETSS). Three lecture hours per week or equivalent.

EDUC 250 PARAEDUCATOR PRACTICUM INTERNSHIP 4 HRS. (OC)
Prerequisite: EDUC 111, 112, and 211 or department approval. This course is both the study and application of principles and techniques a paraeducator will use to meet student needs in today’s elementary and secondary schools. Two lecture and ten laboratory hours per week.

Energy Efficiency Renewable Energy

EERE 120 SOLAR DOMESTIC HOT WATER 1 HR. (VSC)
Prerequisite: None. 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. One lecture hour per week.

EERE 121 SOLAR SPACE HEATING 1 HR. (VSC)
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. One lecture hour per week.

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. Two lecture hours per week.

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, provider fourteen Wisconsin Department of Commerce continuing education units, and twenty-one North American Board of Certified Energy Practitioners (NABCEP) continuing education credits. One lecture and four laboratory hours per week.

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. Two lecture hours per week.

EERE 151 BASIC PHOTOVOLTAIC SYSTEMS 1 HR. (OC)
Prerequisite: None. This course will allow students to gain a better understanding of energy efficiency and the basics of photovoltaic (PV) systems. One lecture hour per week.

EERE 153 PRINCIPLES OF RESIDENTIAL PHOTOVOLTAIC SITE ASSESSMENT 1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in EERE 151. Students in this course will learn how to perform a photovoltaic (PV) site assessment for a home. One lecture hour per week.

EERE 155 INTERMEDIATE PHOTOVOLTAIC (PV) SYSTEMS 2 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in EERE 151. This course will help the student learn the principles of photovoltaic (PV) system design and installation. Two lecture hour per week.

EERE 161 PHOTOVOLTAIC (PV) SYSTEM INSTALLATION 4 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in EERE 155. This course offers students an advanced level of lecture and hands-on learning that will prepare them for field installations. Three lecture and three laboratory hours per week.

EERE 163 PHOTOVOLTAIC (PV) SYSTEM DESIGN 1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in EERE 155. This course provides the student with an advanced level of preparation for photovoltaic (PV) system design. One lecture hour per week.

EERE 165 PHOTOVOLTAIC (PV) SYSTEMS AND THE NATIONAL ELECTRICAL CODE (NEC) 1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in EERE 155. This course will provide the student with a basic knowledge of the National Electric Code (NEC) as it applies to photovoltaic design (PV) and installation. One lecture hour per week.

EERE 167 PRINCIPLES OF BATTERY-BASED PHOTOVOLTAIC (PV) SYSTEMS 1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in EERE 155. This course will provide the student with a comprehensive overview of the issues surrounding the use of batteries of photovoltaic (PV) applications. One lecture hour per week.

Electronics Technology

ELCTK 007 BASIC HOUSE WIRING 2 HRS. (GSC)
Prerequisite: None. This course is intended to acquaint the student with basic fundamentals of household wiring. Included will be selected topics on electricity 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 your work. Students will repair and install basic electrical devices under an instructor’s supervision. One lecture and two laboratory hours per week or equivalent.

ELCTK 111 RESIDENTIAL AND COMMERCIAL WIRING 2 HRS. (OC)
Prerequisite: None. 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. One lecture and two laboratory hours per week or equivalent.
ELCTK 112  ELECTRONIC CAD APPLICATIONS I  2 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in ELCTS 135 and 136. 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. One lecture and three laboratory hours per week.

ELCTK 117  ELECTRONIC SYSTEMS TROUBLESHOOTING  4 HRS. (OC)
Prerequisite: ELCTK 150. In this course, basic troubleshooting procedures are reviewed and built upon to provide the student with an effective troubleshooting technique. The students discuss in class examples of actual malfunctions are encountered in electronic systems. Three lecture and three laboratory hours per week.

ELCTK 145  FUNDAMENTAL DIGITAL ELECTRONICS  4 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in MAT 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. Three lecture and three laboratory hours per week.

ELCTK 150  INDUSTRIAL ELECTRICITY  4 HRS. (OC)
Prerequisite: ELCTS 133. 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. Three lecture and three laboratory hours per week.

ELCTK 151  ELECTRICAL SYSTEMS TROUBLESHOOTING  3 HRS. (OC)
Prerequisite: ELCTK 150. This course introduces the student to the methods and equipment used to maintain, troubleshoot and repair industrial electrical systems. Topics include 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. One lecture and six laboratory hours per week.

ELCTK 201  INTERNSHIP IN ELECTRONICS  3 HRS. (OC)
Prerequisite: Sophomore standing in Electronics Technology. This course is designed to give the intern experience in a chosen field of interest under the direct supervision of an engineering/maintenance supervisor while engaged in on-the-job training. The student will share those field experiences with fellow students, maintain daily records of experiences, and do individual research and study on an approved topic. Two lecture and sixteen intern hours (clock) minimum per week or equivalent (summer schedule - eight weeks).

ELCTK 202  INDUSTRIAL ELECTRONICS  3 HRS. (OC)
Prerequisite: Department 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. Two lecture and three laboratory hours per week.

ELCTK 215  PROGRAMMABLE CONTROLLERS  4 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in ELCTK 151. This course is designed to give the student basic knowledge of Programmable Logic Controller (PLC) concepts and applications. Major emphasis is applied to I/O addressing, software instructions and troubleshooting a PLC managed system. Three lecture and three laboratory hours per week.

ELCTK 220  TRANSDUCERS AND ELECTRONIC INSTRUMENTS  4 HRS. (OC)
Prerequisite: ELCTS 135 and credit or concurrent enrollment in PHYS 112. 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. Three lecture and three laboratory hours per week.

ELCTK 230  ADVANCED SOLID STATE ELECTRONICS  3 HRS. (OC)
Prerequisite: ELCTK 220 and ELCTK 245. This course includes solid state circuit applications to process control systems. The emphasis is on a quantitative approach to circuit design and analysis and troubleshooting. The course includes both analog and digital process control systems and circuits. Two lecture and three laboratory hours per week.

ELCTK 231  INDUSTRIAL ELECTRONICS  4 HRS. (OC)
Prerequisite: ELCTK 151, 215, and 245. 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. Three lecture and three laboratory hours per week.

ELCTK 232  ELECTRONICS SYSTEMS TROUBLESHOOTING  3 HRS. (OC)
Prerequisite: ELCTK 215. 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. One lecture and six laboratory hours per week.

ELCTK 245  MICROPROCESSORS  4 HRS. (OC)
Prerequisite: ELCTS 135 and ELCTS 136. 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. Three lecture and three laboratory hours per week.

ELCTK 246  ADVANCED MICROPROCESSORS  3 HRS. (OC)
Prerequisite: ELCTK 245. 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. Two lecture and three laboratory hours per week.

ELCTK 250  ELECTRONIC COMMUNICATIONS  3 HRS. (OC)
Prerequisite: ELCTS 135 and ELCTS 136. This course will study the methods of transmitting information. The course will include a study of the spectrum of these signals, circuits used in transmitters and receivers, transmission lines, and antennas. Two lecture and three laboratory hours per week.

ELCTK 255  INDEPENDENT STUDY  1-5 HRS. (OC)
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
Electronics Servicing

**ELCTS 131**  
**INTRODUCTION TO BASIC ELECTRICITY**  
**2 HRS. (OC)**
Prerequisite: MAT 106 or higher. 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. One lecture and three laboratory hours per week.

**ELCTS 132**  
**SERVICE ELECTRONICS – D.C. CIRCuits**  
**2 HRS. (OC)**
Prerequisite: MAT 106 or higher. This course lays the foundation for all of 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, Kirchoff’s Laws, and power relationships. Major emphasis is placed on hands-on laboratory experimentation. One lecture and three laboratory hours per week.

**ELCTS 133**  
**SERVICE ELECTRONICS – A.C. CIRCuits**  
**2 HRS. (OC)**
Prerequisite: Credit or concurrent enrollment in ELCTS 132. 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. One lecture and three laboratory hours per week.

**ELCTS 134**  
**SERVICE ELECTRONICS – BASIC SOLID STATE**  
**2 HRS. (OC)**
Prerequisite: ELCTS 133. 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. One lecture and three laboratory hours per week.

**ELCTS 135**  
**SERVICE ELECTRONICS – ADVANCED SOLID STATE**  
**2 HRS. (OC)**
Prerequisite: ELCTS 134. 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 I.C.s) and an introduction to solid state control used for motors, relays and the silicon controlled rectifier. One lecture and three laboratory hours per week.

**ELCTS 136**  
**SERVICE ELECTRONICS – DIGITAL CIRCuits**  
**2 HRS. (OC)**
Prerequisite: ELCTS 131, 132, and 133. 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. One lecture and three laboratory hours per week.

**English Language Learners**

**ELL 099**  
**BEGINNING COMPOSITION FOR NON-NATIVE**  
**5 HRS. (ABE)**

**ENGLISH LANGUAGE LEARNERS**

Prerequisite: Appropriate score on reading placement and CELSA. This course is designed to develop fundamental skills in composition. The course introduces the writing process. Students will be able to demonstrate a basic understanding of written communication for further academic writings. This course is intended for non-native speakers of English. Three lecture and six laboratory hours per week.

**Emergency Medical Technology**

**EMT 110**  
**EMERGENCY MEDICAL TECHNICIAN – BASIC I**  
**3 HRS. (OC)**
Prerequisite: Department approval and high school graduate or equivalent. This course is the first of two designed to prepare the student to function as an Emergency Medical Technician-Basic (EMT-B). Instruction in the roles and responsibilities of the EMT-Basic, the emergency medical services system, as well as the medicolegal aspects of providing emergency care will be provided. An overview of the human body, vital signs, the patient assessment process, oxygen therapy, airway management and general pharmacology will also be provided. Three lecture hours per week.

**EMT 111**  
**EMERGENCY MEDICAL TECHNICIAN – BASIC II**  
**3 HRS. (OC)**
Prerequisite: Completion of EMT 110 with a grade of “C” or better, and department approval. This course is a continuation of Emergency Medical Technician-Basic I focusing on increasing knowledge and competency of personnel involved in administering emergency medical care. Emphasis is on the assessment and treatment of medical emergencies such as heart attack and stroke, environmental emergencies, and assessment and treatment of special situations such as obstetrics and pediatrics. Ambulance operations and auto extrication are also discussed. Upon successful completion of EMT 110 and 111, students may apply to take the Illinois Department of Public Health or National Registry of Emergency Medical Technicians EMT-Basic licensure exam. Three lecture hours per week or equivalent.

**EMT 115**  
**TRAUMA LIFE SUPPORT**  
**1 HR. (OC)**
Prerequisite: Current State of Illinois or National Registry of Emergency Medical Technician-Basic, Intermediate, or Paramedic license 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. One lecture and one-half laboratory hour per week or equivalent.

**EMT 118**  
**PEDIATRIC EDUCATION FOR PREHOSPITAL PROVIDERS (PEPP)**  
**1 HR. (OC)**
Prerequisite: Current State of Illinois or National Registry of Emergency Medical Technician-Basic, Intermediate, or Paramedic license or equivalent; department approval. This course is designed to teach prehospital providers how to better assess and manage the ill or injured pediatric patient. Instruction will focus on child and family interaction and communication, assessment and treatment of medical and traumatic emergencies, and stabilization and transport of the patient. Students successfully completing the course will be issued a PEPP course completion card through the American Academy of Pediatrics (AAP). One lecture and one-half laboratory hour per week or equivalent.
EMT 120  EMERGENCY MEDICAL TECHNICIAN – BASIC PRACTICUM  1 HR. (OC)
Prerequisite: EMT 111 or equivalent; current State of Illinois Emergency Medical Technician-Basic License; department approval. This course provides a planned and supervised clinical experience with an emergency medical services agency. Five clinical hours per week or equivalent.

EMT 125  FIRST RESPONDER  2 HRS. (OC)
Prerequisite: HLTH 041 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 first 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 First Responder licensure exam. One lecture and two laboratory hours per week.

EMT 210  EMERGENCY MEDICAL TECHNICIAN – INTERMEDIATE I  6 HRS. (OC)
Prerequisite: EMT 120 or equivalent; current State of Illinois Emergency Medical Technician-Basic License; department approval. This course is the first of three designed to prepare the student to function as an Emergency Medical Technician-Intermediate (EMT-I) with an intermediate or advanced life support unit. Students are introduced to the roles and responsibilities of the EMT-I, as well as the ethical and legal aspects of emergency medical care. Emphasis is placed on human anatomy and physiology, fluids and electrolytes, pharmacology and medication administration, intravenous therapy, airway management, patient assessment, kinematics of trauma, pathophysiology of shock, and respiratory and cardiac emergencies. Selected clinical experiences will be provided to correlate with the course content. Five lecture and three laboratory hours per week or equivalent.

EMT 215  EMERGENCY MEDICAL TECHNICIAN – INTERMEDIATE II  3 HRS. (OC)
Prerequisite: Current State of Illinois Emergency Medical Technician-Basic License; successful completion of EMT 210; department approval. This course is the second of three designed to prepare the student to function as an Emergency Medical Technician-Intermediate (EMT-I) with an intermediate or advanced life support unit. Emphasis is placed on the assessment and treatment of diabetic and neurological emergencies, allergic reactions, poisoning and overdoses, abdominal emergencies, obstetrical and gynecological emergencies, neonatal and pediatric emergencies, geriatric emergencies, and the special needs patient. Selected clinical experiences will be provided to correlate with the course content. Two and one-half lecture and one and one-half laboratory hours per week or equivalent.

EMT 220  EMERGENCY MEDICAL TECHNICIAN – INTERMEDIATE PRACTICUM  3 HRS. (OC)
Prerequisite: Successful completion of EMT 215; current State of Illinois Emergency Medical Technician-Basic License; department approval. This course is designed to provide the EMT Intermediate (EMT-I) student educational experience with an advanced life support unit. The experiences gained during this course will further develop the skills and knowledge gleaned in EMT 210 and 215. Fifteen clinical hours per week or equivalent.

EMT 230  EMERGENCY MEDICAL TECHNICIAN – PARAMEDIC I  1 HR. (OC)
Prerequisite: EMT 220 or equivalent; current State of Illinois or National Registry of Emergency Medical Technician-Intermediate license; department approval. This course is the first of four designed to prepare the student to function as an Emergency Medical Technician-Paramedic (EMT-P) with an advanced life support unit. Instruction will focus on the roles and responsibilities of the EMT-Paramedic, the structure and functions of the Emergency Medical Services System, medico-legal aspects of advanced emergency care, patient advocacy, community involvement medical terminology, an overview of human systems and pathophysiology, pharmacology and pharmacodynamics, and intravenous therapy. Instruction in medication administration, basic and advanced airway management, and patient assessment will also be provided. Infectious diseases and infection control are also discussed. Practical laboratory sessions and selected clinical experiences provide opportunities to correlate didactic knowledge while developing psychomotor skills. One lecture and one-half laboratory hour per week or equivalent.

EMT 231  EMERGENCY MEDICAL TECHNICIAN – PARAMEDIC II  1 HR. (OC)
Prerequisite: EMT 230 or equivalent; current State of Illinois or National Registry of Emergency Medical Technician-Intermediate license; department approval. This course is the second of four designed to prepare the student to function as an Emergency Medical Technician-Paramedic (EMT-P) with an advanced life support unit. Instruction will focus on the pathophysiology and management of trauma, to include assessment of the trauma patient, management of head injuries, chest injuries, abdominal injuries, spinal injuries, orthopedic injuries, management of the multiple-trauma patient, management of special airway problems, and current trends in trauma management. Practical laboratory sessions and selected clinical experiences provide opportunities to correlate didactic knowledge while developing psychomotor skills. One lecture and one-half laboratory hour per week or equivalent.

EMT 232  EMERGENCY MEDICAL TECHNICIAN – PARAMEDIC III  2 HRS. (OC)
Prerequisite: EMT 231 or equivalent; current State of Illinois or National Registry of Emergency Medical Technician-Intermediate license; department approval. This course is the third of four designed to prepare the student to function as an Emergency Medical Technician-Paramedic (EMT-P) with an advanced life support unit. This course provides concentrated instruction in the assessment and treatment of medical emergencies such as respiratory, cardiovascular, neurological, endocrine, allergic, gastrointestinal, and genitourinary emergencies. Instruction in intravenous therapy and administration of appropriate medications, as well as electrocardiogram interpretation will also be provided. Practical laboratory sessions provide opportunities to correlate didactic knowledge while developing psychomotor skills. Two lecture and one laboratory hour per week or equivalent.

EMT 233  EMERGENCY MEDICAL TECHNICIAN – PARAMEDIC IV  1 HR. (OC)
Prerequisite: EMT 232 or equivalent; current State of Illinois or National Registry of Emergency Medical Technician-Intermediate license; department approval. This course is the last of four designed to prepare the student to function as an Emergency Medical Technician-Paramedic (EMT-P) with an advanced life support unit. This course is intended to provide the student an opportunity to study and manage special consideration patients. As a continuation of the EMT Paramedic Program, this course provides concentrated instruction in the areas of neonatal, pediatric, and geriatric patients, OB/GYN patients, diverse patients, behavioral disorder patients, and chronically ill patients. Instruction will focus on the assessment and treatment of the above-listed emergencies using the knowledge and practical skills learned to date. Practical laboratory sessions provide opportunities to correlate didactic knowledge while developing psychomotor skills. One lecture and one-half laboratory hour per week or equivalent.

EMT 240  EMERGENCY MEDICAL TECHNICIAN – PARAMEDIC PRACTICUM  4 HRS. (OC)
Prerequisite: Successful completion of EMT 233; current State of Illinois Emergency Medical Technician-Intermediate license; department approval.
This course is designed to provide the EMT-Paramedic student educational experience with an advanced life support unit. The experiences gained during this course will further develop the skills and knowledge gleaned in EMT 230-233. Twenty clinical hours per week.

**EMT 255 INDEPENDENT STUDY** 1-3 HRS. (OC)
Prerequisite: Current EMT licensure; 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/dean for approval 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. Three laboratory hours per week.

The following courses are not currently being taught:

**EMT 062 EMERGENCY MEDICAL TECHNICIAN – AMBULANCE REFRESHER** 1 HR. (VSC)

**EMT 211 EMERGENCY MEDICAL TECHNICIAN – INTERMEDIATE II/DEFIBRILLATION PRACTICUM** 3 HRS. (OC)

**English**

**ENGL 003 ENGLISH GRAMMAR I** 1 HR. (BEC)
Prerequisite: None. This course covers the basic skills of identifying parts of speech, sentence structure and punctuation, including fragments, fused sentences, agreement of subjects and verbs and pronouns and antecedents as well as the use of end marks, commas, and semicolons. Two laboratory hours per week. (formerly ENSK 103)

**ENGL 004 ENGLISH GRAMMAR II** 1 HR. (BEC)
Prerequisite: ENGL 003 with a grade of “C” or better, or department approval. This course reviews the basic skills covered in English 003 and continues with more advanced skills such as various types of dependent clauses, verbs, misplace and dangling modifiers, and parallel structure. Two laboratory hours per week.

**ENGL 005 VOCABULARY ENRICHMENT I** 1 HS. (BEC)
Prerequisite: None. This is an individualized, self-paced course designed to help English-speaking students expand their vocabularies. Repeatable up to three times. Two laboratory hours per week.

**ENGL 080 PREPARATION FOR COLLEGE READING AND WRITING 080** 6 HRS. (BEC)
Prerequisite: None. ENGL 080 is a reading and writing course which introduces students to basic reading comprehension and writing strategies. Students will read a variety of texts and learn to write complete sentences and organized paragraphs. This course is repeatable up to three times. Six lecture hours per week.

**ENGL 085 PREPARATION FOR COLLEGE READING AND WRITING 085** 6 HRS. (BEC)
Prerequisite: ENGL 080 with a grade of “C” or better, appropriate score on placement test, or department approval. ENGL 085 is a reading and writing course which helps students to 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. Six lecture hours per week.

**ENGL 086 SPECIAL TOPICS – CAREER READINESS AND WRITING 086** 6 HRS. (BEC)
Prerequisite: ENGL 080 with a grade of “C” or better, appropriate score on placement test, or department approval. This course is designed to help students acquire and develop the foundational skills necessary to read and write effectively. Students will develop and expand reading comprehension and vocabulary skills as well as write effective sentences and paragraphs. Five lecture hours and two laboratory hours per week.

**ENGL 090 PREPARATION FOR COLLEGE READING AND WRITING 090** 6 HRS. (BEC)
Prerequisite: ENGL 085 with a grade of “C” or better, appropriate score on placement test, or department approval. ENGL 090 is a reading and writing course which introduces students to the academic challenges of the college classroom. Students will read critically and write developed essays. This course is repeatable three times. Six lecture hours per week.

**ENGL 095 PREPARATION FOR COLLEGE READING AND WRITING 095** 6 HRS. (BEC)
Prerequisite: ENGL 090 with a grade of “C” or better, appropriate score on placement test, or department approval. 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. Six lecture hours per week.

**ENGL 096 SPECIAL TOPICS: ACADEMIC STRATEGIES FOR SUCCESS IN CTE** 6 HRS. (BEC)
Prerequisite: Department approval and appropriate score on placement test. This course provides individuals with the attitudes and foundational study skills needed for introductory college coursework. Three lecture hours per week.

**ENGL 099 PREPARATION FOR COLLEGE READING AND WRITING 099** 3 HRS. (BEC)
Prerequisite: Appropriate score on placement test, or department approval. ENGL 099 is a reading and writing course which offers students an opportunity to review the skills and knowledge needed to be successful in the college classroom. Students will read critically and write developed essays of various lengths. This course is repeatable three times. Three lecture hours per week.

**ENGL 105 BASIC COMPOSITION** 3 HRS. (OC)
Prerequisite: Appropriate score on English placement test. This course progresses the student from writing referential compositions (explaining the ideas of the writer) to writing referential compositions (explaining the subject matter for the reader), through active reading, discussion, exercises, conferences, and revision. The majority of the writing is expressive. Three lecture hours per week.

**ENGL 110 COMPOSITION I** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval 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. Three lecture hours per week.

**C1 900**
ENGL 111 COMPOSITION II 3 HRS. (TC)  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval or ENGL 110 or an 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. Three lecture hours per week.  

ENGL 113 CREATIVE WRITING: NARRATIVE FICTION 3 HRS. (TC)  
Prerequisite: ENGL 111 or department approval. 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. Three lecture hours per week.  

ENGL 114 CREATIVE WRITING: DRAMA 3 HRS. (TC)  
Prerequisite: ENGL 111 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. Three lecture hours per week.  

ENGL 115 CREATIVE WRITING: POETRY 3 HRS. (TC)  
Prerequisite: ENGL 111 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 final exam may also be required. Three lecture hours per week.  

ENGL 116 AGRICULTURAL COMMUNICATIONS 3 HRS. (TC)  
Prerequisite: Appropriate score on placement test. 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. Three lecture hours per week.  

ENGL 117 CREATIVE WRITING: NON-FICTION PROSE 3 HRS. (TC)  
Prerequisite: ENGL 111. 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. A minimum of 25-30 finished pages of original work is recommended. Journals, a midterm, and final exam may also be required. Three lecture hours per week.  

ENGL 125 BUSINESS COMMUNICATIONS 3 HRS. (TC)  
Prerequisite: Either appropriate score on the English placement test or ENGL 105 or an equivalent course with a grade of "C" or better. This course introduces the student to a series of related activities, such as interviewing skills, job application techniques, business writing skills, effective speaking, listening skills, and other business communication tasks. Three lecture hours per week.  

ENGL 130 GRANT WRITING BASICS 3 HRS. (TC)  
Prerequisite: Either appropriate score on the English placement test or ENGL 105 or an equivalent course with a grade of "C" or better. This course examines and outlines basic principles of organizing and writing grants. An overview of identifying government, private, and corporate grants is also included. Three lecture hours per week.  

ENGL 140 INTRODUCTION TO WRITING CENTER 3 HRS. (TC)  
THEORY AND PRACTICE  
Prerequisite: ENGL 111 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 communicare those needs to the writer. The 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. Three lecture hours per week.  

ENGL 200 INTRODUCTION TO THE ENGLISH LANGUAGE 3 HRS. (TC)  
Prerequisite: Appropriate score on college placement test. This course offers an introductory study of linguistics which includes grammar, semantics, language development, and regional and social varieties of English. Three lecture hours per week.  

ENGL 201 TECHNICAL COMMUNICATIONS 3 HRS. (TC)  
Prerequisite: Appropriate score on placement test or grade of "C" or better in ENGL 095 or department approval. This course involves the development of a 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. Three lecture hours per week.  

ENGL 210 ADVANCED COMPOSITION 3 HRS. (TC)  
Prerequisite: ENGL 111 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. Three lecture hours per week.  

ENGL 240 ACADEMIC COMPOSITION FOR WRITING CENTER CONSULTANTS 3 HRS. (TC)  
Prerequisite: ENGL 140 or 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. Three lecture hours per week.  

ENGL 250 WRITING FELLOWS PRACTICUM 1 HR. (TC)  
Prerequisite: ENGL 140 or department approval. This course trains students to assist writers enroll in writing-intensive courses across the curriculum. Student consultants will gain a theoretical background in how writing fellows programs complement the services of a writing center and practical knowledge of how to revision process, and work closely with faculty in the disciplines. One lecture hour per week.
Engine Power Technology

ENGPR 114  MOTOR VEHICLE ELECTRICAL SYSTEMS  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 agricultural, heavy equipment and trans-
portation industries. Two lecture and three laboratory hours per week.

ENGPR 118  DIESEL ENGINES  4 HRS. (OC)
Prerequisite: Department approval. This course consists of disassembling
and assembling diesel engines. Individual engine components are inspected
to determine their serviceability. Two lecture and six laboratory hours per
week.

ENGPR 201  ENGINE MACHINING AND REBUILDING  4 HRS. (OC)
Prerequisite: AUTO 110. This course consists of internal engine design,
diagnosis and rebuilding. Emphasis will be placed upon cylinder, cylinder
head, crankshaft, and bearing repair. Two lecture and six laboratory hours per
week.

ENGPR 203  DIESEL FUEL SYSTEMS  3 HRS. (OC)
Prerequisite: ENGPR 118. This course is a study of combustion chamber
design, fuel injection systems and the diagnosing of faults in fuel injection
and combustion systems. Two lecture and three laboratory hours per week.

ENGPR 213  ENGINE PERFORMANCE AND TESTING  3 HRS. (OC)
Prerequisite: ENGPR 118, AUTO 115, and DPET 235. This course includes
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. Two lecture and three laboratory hours per week.

ENGPR 218  MOTOR VEHICLE ELECTRONICS  3 HRS. (OC)
Prerequisite: AUTO 244 or DPET 235. This course provides the back-
ground 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. Two lecture and three laboratory hours per week.

ENGPR 255  INDEPENDENT STUDY  1-5 HRS. (OC)
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 depart-
ment, 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.

Engineering

ENGR 110  INTRODUCTION TO ENGINEERING  1 HR. (TC)
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 devel-
oped 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. One lecture and one laboratory hour per week.

ENGR 113  ENGINEERING GRAPHICS/CAD  3 HRS. (TC)
Prerequisite: Credit or concurrent enrollment in MATH 165 or higher and
appropriate score on the engineering placement test 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 presenta-
tion, descriptive geometry with auxiliary views, sections, dimensioning,
tolerancing, fasteners, assemblies and production drawings. Two lecture
and four laboratory hours per week.

ENGR 230  PROGRAMMING ENGINEERING APPLICATIONS
Prerequisite: MATH 222 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 essen-
tial 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.
Two lecture and three laboratory hours per week.

ENGR 240  ENGINEERING CIRCUIT ANALYSIS  4 HRS. (TC)
Prerequisite: Credit or concurrent enrollment in PHYS 212, MATH 250 and
ENG 230. This course 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. Four lecture hours per
week.  EGR 931

ENGR 241  ELECTRICAL ENGINEERING LAB  2 HRS. (TC)
Prerequisite: Credit 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 investi-
gations. It serves as a foundation for more advanced electrical engineer-
ing lab work. One lecture and three laboratory hours per week.  EGR 931L

ENGR 242  DIGITAL SYSTEMS ENGINEERING  3 HRS. (TC)
Prerequisite: ENGR 230 or CMPSC 125 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. Three lecture
hours per week.  EGR 932

ENGR 251  STATICS  3 HRS. (TC)
Prerequisite: PHYS 211 and credit 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; the principle of virtual work. The computer is used as an aid
to solving engineering problems. Three lecture hours per week.  EGR 942

ENGR 252  DYNAMICS  3 HRS. (TC)
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
ynamics. Topics include displacement, velocity, and acceleration of a
article; 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. Three lecture hours per week.  EGR 943
ENGR 253  MECHANICS OF MATERIALS  3 HRS. (TC)
Prerequisite: A grade of “C” or better in ENGR 251. 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 of determining strength, stiffness and stability; strength and failure criteria in member design; indeterminate problems; transformations for multi-axial stress and strain states. Three lecture hours per week.

ESL 099  ENGLISH AS A SECOND LANGUAGE, BEGINNING LITERACY LEVEL  3 HRS. (ESL)
Prerequisite: Appropriate score on 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. Three lecture hours per week or equivalent.

ESL 100  ENGLISH AS A SECOND LANGUAGE, BEGINNING LEVEL  4 HRS. (ESL)
Prerequisite: Appropriate score on 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 of idioms using the English language in simple dialogues, reading, and writing. Repeatable up to three times. Four lecture hours per week or equivalent.

ESL 102  ENGLISH AS A SECOND LANGUAGE, INTERMEDIATE LEVEL  4 HRS. (ESL)
Prerequisite: Appropriate score on 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. Four lecture hours per week or equivalent.

ESL 103  ENGLISH AS A SECOND LANGUAGE, INTERMEDIATE LEVEL COMMUNICATION  4 HRS. (ESL)
Prerequisite: Appropriate score on 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. Repeatable up to three times. Four lecture hours per week or equivalent.

ESL 104  ENGLISH AS A SECOND LANGUAGE, ORAL, LANGUAGE COMPONENT, ADVANCED LEVEL  3 HRS. (ESL)
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. Repeatable up to three times. Three lecture hours per week or equivalent.

ESL 105  ENGLISH AS A SECOND LANGUAGE, WRITTEN LANGUAGE COMPONENT, ADVANCED LEVEL  3 HRS. (ESL)
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. Three lecture hours per week or equivalent.

ESL 106  ENGLISH FOR NON-HERITAGE SPEAKERS  3 HRS. (ABE)
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. Repeatable up to three times. Three lecture hours per week or equivalent.

ESL 107  TOEFL PREPARATION  3 HRS. (ABE)
Prerequisite: Department approval. This course is designed to prepare students for the TOEFL CBT by concentrating on the necessary writing, grammar, listening, reading, and computer skills. Two lecture and two laboratory hours per week or equivalent.

Family and Consumer Sciences

FCS 110  BASIC NUTRITION  2 HRS. (TC)
Prerequisite: Compass reading score of 81 or higher, or equivalent, or department approval. 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. Two lecture hours per week. (formerly HOME 110)

FCS 111  EARLY CHILDHOOD NUTRITION EDUCATION  3 HRS. (OC)
Prerequisite: None. This course is a study of the field of child nutrition. The course will include discussions on the following: 1) nutrition in general; 2) nutrition as it applies to the infant; 3) nutrition as it applies to the toddler [1-3 years of age]; 4) nutrition as it applies to the child [3-8 years of age]; 5) current nutritional trends and fads; 6) current nutritional concerns of early childhood. Three lecture hours per week.

FCS 120  PRINCIPLES OF NUTRITION  3 HRS. (TC)
Prerequisite: Compass reading score of 81 or higher, or equivalent, or department approval. This course is a study of the 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. Three lecture hours per week.

Film

FILM 110  SURVEY OF FILM  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. F2 908

FILM 111  FILM AND LITERATURE  3 HRS. (TC)
Prerequisite: FILM 110. 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. Three lecture hours per week.
Forensic Science

FORSC 120 CRIME SCENE IMAGING 3 HRS. (OC)
Prerequisite: CMGEN 120 or CMNET 155. The use of criminal investigative (specific) software in the Law Enforcement/Criminal Justice environment is emphasized. Students are introduced to Computer Aided Drawing (CAD) programs. These programs offer PC-based three dimensional visualization software specifically for law enforcement applications. Course content includes reconstruction of crime scenes and accidents utilizing digital imaging and digital measuring. Also included is the biometrics, in the form of composite drawings and facial recognition. This is criminal investigative specific. Digital matching of fingerprint characteristics is also examined by introducing automated latent identification system. This course seeks to expose students to these emerging technologies through the hands-on utilization of various software based platforms. Two lecture and two laboratory hours per week.

FORSC 123 FORENSIC PHOTOGRAPHY 3 HRS. (OC)
Prerequisite: CRJ 130 or FORSC 231 or department approval. This course will examine the various photographic techniques and evidentiary requirements specific to various types of crimes, crime scenes and environmental conditions. Students will develop proficiencies in the various techniques and use of photographic equipment. Also included are proper practices and legal aspects to allow photographic evidence in court proceedings. One lecture and four laboratory hours per week.

FORSC 231 CRIME SCENE INVESTIGATION 3 HRS. (TC)
Prerequisite: None. This course will examine and survey the areas of investigation and procedures necessary and leading up to a forensic investigation of a crime scene. Students will examine issues of scene security and its necessary role in maintaining the integrity of crime scenes and the investigation. Students will explore constitutional issues as they pertain to searches and seizures of property and the necessity of proper documentation. Students will also examine the common techniques for collection of evidence found, to set the ground work for more complex, cutting edge techniques and specializations that they will later develop in the more advanced courses in FORSC 240, 241, and 242. Two lecture and two laboratory hours per week.

FORSC 240 FORENSIC SCIENCE I 4 HRS. (TC)
Prerequisite: CRJ 130 or FORSC 231 with a grade of “C” or better or department approval. This course is the scientific application of forensic science to criminal and civil laws that are enforced by police agencies in a criminal justice system. This course in forensic science is the first of a series of three courses that covers various topics in forensics. The course examines the morphology of hair, fibers (natural and synthetic) and glass. It also examines organic and inorganic analysis of evidence, toxicology, UV and IR Spectrophotometry and Mass Spectrophotometry. Drug identification and field testing procedures are studied and the chemical analysis of the categories of controlled substances. Serology and blood splatter theories are studied and the various DNA techniques. Classes are held in a Crime Laboratory environment and students will participate in assessments. Three lecture and two laboratory hours per week or equivalent.

FORSC 242 FORENSIC SCIENCE III 4 HRS. (TC)
Prerequisite: FORSC 241 with a grade of “C” or better or department approval. This course is the scientific application of forensic science to criminal and civil laws that are enforced by police agencies in a criminal justice system. This course in forensic science is the third of a series of three courses in forensics that covers various topics in forensics. Examined are stain patterns of blood, principles of heredity, and forensic characterization of semen. Also, examined in this course is recombinant DNA and the cutting and splicing of DNA and DNA typing. In addition, this course covers fundamentals of fingerprinting and the chemical enhancement in fingerprinting processing. Document and voice examination and the forensic investigation of Internet communications. Odontology, pathology and forensic anthropology are studied and students visit the morgue. At the morgue, students are able to assist in an autopsy and work with a forensic pathologist. Classes are held in a Crime Laboratory environment and students will participate in assessments. Three lecture hours and two laboratory hours per week or equivalent.

FORSC 243 CRIME SCENE/FORENSIC INTERNSHIP 3 HRS. (OC)
Prerequisite: CRJ 130 or FORSC 231 and FORSC 240, 241, 242, and department approval. This course is designed to give the trainee experience in fieldwork by actually participating as a crime scene technician with a law enforcement agency under the direct supervision of a crime scene technician/mentor. Students majoring in forensics will work in a crime lab setting. The student will complete a series of specific tasks to the satisfaction of the evaluator during the internship experience. Fifteen internship hours per week or equivalent.

French

FR 110 ELEMENTARY FRENCH I 4 HRS. (TC)
Prerequisite: Appropriate score on placement test or a grade of “C” or better in ENGL 095 or ENGL 099 or department approval. This course is designed to develop through the audio-lingual approach to the four basic skills in French: listening, speaking, reading, and writing. Four lecture hours per week.

FR 111 ELEMENTARY FRENCH II 4 HRS. (TC)
Prerequisite: FR 110 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. Four lecture hours per week.

FR 210 INTERMEDIATE FRENCH I 4 HRS. (TC)
Prerequisite: FR 111 or equivalent. This course emphasizes conversation, selected readings, and composition. The course is conducted primarily in French. Four lecture hours per week.

FR 211 INTERMEDIATE FRENCH II 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval 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. Four lecture hours per week. H1 900
Fire Science Technology

FRSTK 072  HAZARDOUS MATERIALS AWARENESS     .5 HRS. (VSC)  
Prerequisite: None. This course is designed to provide the basic safety guards in recognizing hazardous materials incidents. The course teaches the skills necessary for the detection of hazardous materials, consulting references for additional information, and implementation of the proper notification process. One-half lecture hour per week.

FRSTK 110  INTRODUCTION TO FIRE SCIENCE     3 HRS. (OC)  
Prerequisite: None. This course is designed to acquaint the student with the fire service, careers available, history, evaluation and survey of fire protection. Three lecture hours per week.

FRSTK 111  BASIC INSTRUCTOR TRAINING FOR THE FIRE SERVICE     3 HRS. (OC)  
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. Three lecture hours per week or equivalent.

FRSTK 112  FIRE PREVENTION AND LEGAL ASPECTS OF FIRE PROTECTION     3 HRS. (OC)  
Prerequisite: FRSTK 110 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. Three lecture hours per week.

FRSTK 113  FIRE COMPANY APPARATUS AND PROCEDURES     3 HRS. (OC)  
Prerequisite: FRSTK 110 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. Three lecture hours per week.

FRSTK 114  FIREFIGHTING TACTICS AND STRATEGY     3 HRS. (OC)  
Prerequisite: FRSTK 110 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, overhaul) and post-fire analysis and study. Three lecture hours per week.

FRSTK 115  CERTIFIED APPARATUS ENGINEER     3 HRS. (OC)  
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. Two lecture and three laboratory hours per week.

FRSTK 116  RECRUIT FIRE SERVICE TRAINING MODULE A     5 HRS. (OC)  
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. Five lecture hours per week.

FRSTK 117  RECRUIT FIRE SERVICE TRAINING MODULE B     5 HRS. (OC)  
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. Five lecture hours per week.

FRSTK 118  RECRUIT FIRE SERVICE TRAINING MODULE C     5 HRS. (OC)  
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. Five lecture hours per week.

FRSTK 132  INDUSTRIAL FIRE PROTECTION     3 HRS. (OC)  
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. Three lecture hours per week.

FRSTK 183  CERTIFIED RESCUE SPECIALIST, ROADWAY EXTRICATION     3 HRS. (OC)  
Prerequisite: Employment (paid or voluntary) as Vehicle Emergency Rescue Squad, Firefighter, Police Officer, Ambulance Driver, E.M.T. or department approval. This course is designed to develop skills in the use and care of extrication equipment needed to perform in rescue, extraction and hazardous control functions. Upon successful completion of this course, the student will be qualified for State of Illinois certification examination as a Certified Rescue Specialist-Roadway Extrication. Three lecture hours a week for fifteen weeks and two laboratory sessions at seven and one-half hours each.

FRSTK 190  LEGAL ISSUES IN THE FIRE SERVICE     3 HRS. (OC)  
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. Three lecture hours per week.

FRSTK 201  INTERNSHIP, FIRE SERVICE     3 HRS. (OC)  
Prerequisite: FRSTK 110. 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. Fifteen intern hours per week or equivalent.

FRSTK 211  FIRE SERVICE INSTRUCTOR, STANDARD LEVEL     3 HRS. (OC)  
Prerequisite: FRSTK 11.1 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.
FRSTK 212 FIRE PREVENTION PRINCIPLES II 3 HRS. (OC)
Prerequisite: FRSTK 112. 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. Three lecture hours per week.

FRSTK 214 TACTICS AND STRATEGY II 3 HRS. (OC)
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. Three lecture hours per week.

FRSTK 222 SELECTED TOPICS 1-4 HRS. (OC)
Prerequisite: FRSTK 110. 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. One to four lecture hours per week.

FRSTK 225 BUILDING CONSTRUCTION FOR THE FIRE SCIENCE 3 HRS. (OC)
Prerequisite: FRSTK 110. 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. Three lecture hours per week or equivalent.

FRSTK 227 CHEMISTRY OF FLAMMABLE HAZARDOUS MATERIALS 3 HRS. (OC)
Prerequisite: FRSTK 110 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. Three lecture hours per week.

FRSTK 228 CHEMISTRY OF EXPLOSIVE AND TOXIC MATERIALS 3 HRS. (OC)
Prerequisite: FRSTK 110 and approved laboratory science. This course is an in-depth study of the properties of flammable, explosive and toxic materials, and combustible solids. The interreaction of various chemical compounds will also be considered. Secondary emphasis on effects of various extinguishing agents and accompanying emergency procedures. Three lecture hours per week.

FRSTK 229 HAZARDOUS MATERIALS I 3 HRS. (OC)
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. Three lecture hours per week.

FRSTK 230 FIRE SERVICE HYDRAULICS 3 HRS. (OC). Prerequisite: FRSTK 110 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. Three lecture hours per week.

FRSTK 231 HAZARDOUS MATERIALS II 3 HRS. (OC)
Prerequisite: FRSTK 229. 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. Two lecture and three laboratory hours per week or equivalent.

FRSTK 232 FIRE PROTECTION SYSTEMS 3 HRS. (OC)
Prerequisite: FRSTK 110 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. Three lecture hours per week.

FRSTK 250 FIRE SERVICE MANAGEMENT I 3 HRS. (OC)
Prerequisite: FRSTK 110 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. Three lecture hours per week.

FRSTK 252 FIRE SERVICE MANAGEMENT II 3 HRS. (OC)
Prerequisite: FRSTK 110 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. Three lecture hours per week or equivalent.

FRSTK 253 FIRE SERVICE MANAGEMENT III 3 HRS. (OC)
Prerequisite: FRSTK 250 and 252. 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. Three lecture hours per week.

FRSTK 254 FIRE MANAGEMENT IV 3 HRS. (OC)
Prerequisite: FRSTK 253. 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. Three lecture hours per week.

FRSTK 255 INDEPENDENT STUDY 1-5 HRS. (OC)
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. Three to fifteen laboratory hours per week.

Graphic Communication

GCOMM 110 INTRODUCTION TO GRAPHIC COMMUNICATIONS 4 HRS. (OC)
Prerequisite: None. 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. Two lecture and four laboratory hours per week. (formerly GRART 110)

GCOMM 112 VECTOR GRAPHICS WITH ADOBE ILLUSTRATOR 3 HRS. (OC)
Prerequisite: None. 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.
GCOMM 130 PAGE LAYOUT WITH ADOBE INDESIGN 3 HRS. (OC)
Prerequisite: None. 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 pages, layers, and text-formatting styles to dramatically improve production workflow. Students will also be taught to use conditional text and layers to develop a customized version 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. One lecture and four laboratory hours per week. (formerly GRART 130)

GCOMM 140 PRINTING METHODS 4 HRS. (OC)
Prerequisite: GCOMM 110 or GCOMM 110 or department approval. This course covers offset lithography and silk screen press operation. Two lecture and four laboratory hours per week. (formerly GRART 140)

GCOMM 150 PRODUCTION TECHNIQUES AND PROCESSES 3 HRS. (OC)
Prerequisite: GRART 110 or GCOMM 110. 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. One lecture and four laboratory hours per week. (formerly GRART 150)

GCOMM 160 OCCUPATIONAL PHOTOSHOP TECHNIQUES 1 HR. (OC)
Prerequisite: None. 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. Two laboratory hours per week. (formerly GRART 160)

GCOMM 225 SCREEN PRINTING 3 HRS. (OC)
Prerequisite: GCOMM 110, GCOMM 112, GCOMM 250. 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 process. A combination of technical laboratory applications and theory will provide the foundation for this course. One lecture and four laboratory hours per week or equivalent.

GCOMM 230 ADVANCED PAGE LAYOUT AND INTERACTIVE CROSS MEDIA 3 HRS. (OC)
Prerequisite: GCOMM 130 or GCOMM 130. 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. One lecture and four laboratory hours per week. (formerly GRART 230)

GCOMM 235 DIGITAL PHOTOGRAPHY AND SCANNING FOR PUBLISHING 3 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in or GCOMM 130. This course introduces the student to electronic scanners and scanning techniques commonly used in desktop publishing. Instruction is provided in the operation of desktop scanners and image preparation for page layout. Utilizing commercially prepared images and the basics of digital photography are also covered in this course. One lecture and four laboratory hours per week. (formerly GRART 235)

GCOMM 245 WEB PUBLISHING WITH ADOBE DREAMWEAVER 3 HRS. (OC)
Prerequisite: None. 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. One lecture and four laboratory hours per week. (formerly GRART 245)

GCOMM 247 ADVANCED WEB PUBLISHING WITH ADOBE DREAMWEAVER AND FLASH 3 HRS. (OC)
Prerequisite: GCOMM 245 or GCOMM 245. This course is a study of the techniques used in creating sophisticated web pages. Students are taught the correct method 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 Stiched. One lecture and four laboratory hours per week. (formerly GRART 247)

GCOMM 248 MODELING AND ANIMATION WITH AUTODESK MAYA 3 HRS. (OC)
Prerequisite: GCOMM 245 or GCOMM 245. 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. One lecture and four laboratory hours per week. (formerly GRART 248)

GCOMM 250 BEGINNING ADOBE PHOTOSHOP TECHNIQUES 3 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in GCOMM 130 or GCOMM 130. 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. One lecture and four laboratory hours per week. (formerly GRART 250)

GCOMM 251 ADVANCED ADOBE PHOTOSHOP TECHNIQUES 3 HRS. (OC)
Prerequisite: GCOMM 250 or GCOMM 250. 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. One lecture and four laboratory hours per week. (formerly GRART 251)
GCOMM 255 INDEPENDENT STUDY 1-5 HRS. (OC)
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. Three to fifteen laboratory hours per week. (formerly GRART 255)

GCOMM 260 GRAPHIC COMMUNICATION INTERNSHIP 1-3 HRS. (OC)
Prerequisite: GCOMM 110, 112, 130, 245 and 250. This course will help to prepare students for careers in the graphic communications work force. This exposure to the workplace will help student’s understanding of the different types of careers, work environment, work flows, job duties and how they will be able to fit into the workplace. One to three lecture hours per week.

GED Preparation

GEDPR 080 ABE COMMUNICATION AND MATHEMATICAL SKILLS 2 HRS. (ABE)
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. Two lecture hours per week or equivalent.

GEDPR 081 ABE MATHEMATICS I 1 HR. (ABE)
Prerequisite: A 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. One lecture hour per week or equivalent.

GEDPR 082 ABE MATHEMATICS II 2 HRS. (ASE)
Prerequisite: A 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. Two lecture hours per week or equivalent.

GEDPR 083 ABE MATHEMATICS III 3 HRS. (ABE)
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. Three lecture hours per week or equivalent.

GEDPR 087 ABE COMMUNICATION SKILLS I 1 HR. (ABE)
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. One lecture hour per week or equivalent.

GEDPR 088 ABE COMMUNICATION SKILLS II 2 HRS. (ABE)
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. Two lecture hours per week or equivalent.

GEDPR 089 ABE COMMUNICATION SKILLS III 3 HRS. (ABE)
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. Three lecture hours per week or equivalent.

GEDPR 102 GED COMMUNICATION SKILLS I 1 HR. (ASE)
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. Two lecture hours per week or equivalent.

GEDPR 103 GED COMMUNICATION SKILLS II 2 HRS. (ASE)
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. Two lecture hours per week or equivalent.

GEDPR 104 GED COMMUNICATION SKILLS III 3 HRS. (ABE)
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. Three lecture hours per week or equivalent.

GEDPR 105 GED COMPUTATIONAL SKILLS I 1 HR. (ASE)
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. One lecture hour per week or equivalent.

GEDPR 106 GED COMPUTATIONAL SKILLS II 2 HRS. (ASE)
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. Two lecture hours per week or equivalent.

GEDPR 107 GED COMPUTATIONAL SKILLS III 3 HRS. (ASE)
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. Three lecture hours per week or equivalent.

GEDPR 108 GED REVIEW II 2 HRS. (ASE)
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, science, and mathematics. Repeatable up to a maximum of three times. Two lecture hours per week or equivalent.

GEDPR 109 GED REVIEW 1 HR. (ASE)
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, science, and mathematics. Repeatable up to a maximum of three times. One lecture hour per week or equivalent.
General Technology
The following courses are not currently being taught:

GENTK 010  PRIVATE PILOT – GROUND SCHOOL  3 HRS. (GSC)
GENTK 012  COMMERCIAL PILOT — ADVANCED GROUND SCHOOL I  3 HRS. (GSC)
GENTK 013  INSTRUMENT PILOT – ADVANCED GROUND SCHOOL II  3 HRS. (GSC)
GENTK 020  HOROLOGY, CLOCK REPAIR I  1 HR. (GSC)
GENTK 021  HOROLOGY, CLOCK REPAIR II  1 HR. (GSC)
GENTK 030  BASIC WOODWORKING  1.5 HRS. (GSC)
GENTK 031  FURNITURE REPAIR & REFINISHING  1 HR. (GSC)
GENTK 033  INBOARD/OUTBOARD MARINE ENGINES  0.5 HR. (GSC)
GENTK 035  MOTORCYCLE OPERATION & MAINTENANCE  1 HR. (GSC)
GENTK 038  BICYCLE MAINTENANCE/REPAIRS  1 HR. (GSC)
GENTK 040  CABINET MAKING  1.5 HRS. (VSC)

Geography

GEOG 112  CULTURAL GEOGRAPHY  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. S4 900N

GEOG 113  WORLD REGIONAL GEOGRAPHY  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. S4 900N

GEOG 116  GEOGRAPHY OF THE DEVELOPING WORLD  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. S4 902N

GEOG 118  GEOGRAPHY OF THE DEVELOPED WORLD  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. S4 901

GEOG 200  ECONOMIC GEOGRAPHY  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. S4 903N

German

GER 110  ELEMENTARY GERMAN I  4 HRS. (TC)
Prerequisite: None. This course is an introduction to German grammar and syntax that affords practice in listening, speaking, reading, and writing. Four lecture hours per week.

GER 111  ELEMENTARY GERMAN II  4 HRS. (TC)
Prerequisite: GER 110 or equivalent. This course emphasizes conversation, reading, and composition. The course in conducted primarily in German. Four lecture hours per week.

GER 210  INTERMEDIATE GERMAN I  4 HRS. (TC)
Prerequisite: GER 111 or equivalent. This course emphasizes conversation, reading, and composition. The course in conducted primarily in German. Four lecture hours per week.

GER 211  INTERMEDIATE GERMAN II  4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and GER 210 or equivalent. This course is a continuation of GER 210 with emphasis on advanced conversation, reading, and composition. The course in conducted primarily in German. Four lecture hours per week. H1 900

Geographic Information Systems

GIS 100  MAP APPRECIATION AND INTERPRETATION  1 HR. (OC)
Prerequisite: None. 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. One lecture hour per week.

GIS 102  INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS  3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

GIS 104  APPLIED GEOGRAPHIC INFORMATION SYSTEMS  3 HRS. (OC)
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. Three lecture hours per week.

GIS 106  GLOBAL POSITIONING SYSTEMS  1 HR. (OC)
Prerequisite: None. 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. One lecture hour per week or equivalent.

GIS 108  REMOTE SENSING  3 HRS. (OC)
Prerequisite: None. 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. Two lecture and two laboratory hours per week or equivalent.
Green Building Construction

GRBCR 110 BUILDING WALL SYSTEMS 4 HRS. (OC)
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. Two lecture and five laboratory hours per week.

GRBCR 120 BUILDING ROOFS 4 HRS. (OC)
Prerequisite: Concurrent enrollment in ARCTK 119 and GRBCR 110. 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. Two lecture and five laboratory hours per week.

GRBCR 150 BUILDING ENVELOPE EVALUATION 3 HRS. (OC)
Prerequisite: None. 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 and analyzing building envelopes. The course prepares individuals to pass the Building Performance Institute (BPI) exam. Two lecture and two laboratory hours per week.

Green Building Environment

GRBE 110 INTRODUCTION TO GREEN BUILDING NEEDS 3 HRS. (OC)
Prerequisite: None. In this course the student will look at how to develop a green building team, who should make up the team, who should be the lead, and how each one affects the total building and its environment. Three lecture hours per week.

GRBE 120 BUILDING ENERGY ANALYSIS 3 HRS. (OC)
Prerequisite: REACT 111. 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. Three lecture hours per week.

GRBE 130 CENTRAL HEATING AND COOLING PLANT 3 HRS. (OC)
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. Three lecture hours per week.

GRBE 140 INDOOR AIR QUALITY AND GREEN BUILDINGS 4 HRS. (OC)
Prerequisite: None. This course will deal with the impact of indoor air quality on green building and energy effects. Three lecture and three laboratory hours per week.
processing software. Studio project assignments stress the acquisition and application of both conceptual and technical skills. Problems of production from generation of computer illustration to preparation of computer files for final output are addressed. Six laboratory hours per week.

**GRDSN 240** ADVANCED GRAPHIC DESIGN I 3 HRS. (TC)
Prerequisite: GRDSN 142 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. Six laboratory hours per week.

**GRDSN 244** COMPUTER ILLUSTRATION II 2 HRS. (OC)
Prerequisite: GRDSN 143 or department approval. This course is a continuation, at an advanced level, of GRDSN 143. The applied studio project assignments stress the acquisition of conceptual and technical skills. Problems of production, from the generation of computer illustrations to the preparation of computer files for final output, are addressed. Four laboratory hours per week.

**GRDSN 255** INDEPENDENT STUDY 1-5 HRS. (OC)
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 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.

**Greek**

**GRK 110** FUNDAMENTALS OF GREEK I 4 HRS. (TC)
Prerequisite: None. This course is designed primarily for students interested in acquiring a reading knowledge of Greek. Four lecture hours per week or equivalent.

**GRK 111** FUNDAMENTALS OF GREEK II 4 HRS. (TC)
Prerequisite: GRK 110 or equivalent. This course is a continuation of GRK 110 with emphasis on developing further knowledge of the Greek language. Four lecture hours per week or equivalent.

**HEM 110** EMERGENCY MANAGEMENT PLANNING 2 HRS. (OC)
Prerequisite: Department approval. This course discusses proper emergency management planning which is the core of the healthcare emergency management discipline. The four phases of the disaster: mitigation, preparedness, response, and recovery will be applied to healthcare agencies. This course will prepare the student to design a healthcare emergency operations plan. Two lecture hours per week.

**HEM 120** EXERCISE DESIGN AND EVALUATION 3 HRS. (OC)
Prerequisite: Department approval. This course addresses the importance of conducting well-executed disaster drills and exercises. The Department of Homeland Security formats will be highlighted. Students will participate in the design of both table-top and full-scale exercises. The cyclical evaluation process and after action reporting will be addressed. Three lecture hours per week.

**HEM 130** HEALTHCARE REGULATION AND POLICY 2 HRS. (OC)
Prerequisite: Department approval. This course covers the regulation and policy of emergency management affecting healthcare. An in-depth examination of specific policies, regulations, and laws that affect emergency management of healthcare institutions is provided. In addition, students will learn how to implement emergency management regulations within the healthcare environment. Two lecture hours per week.

**HEM 150** THE INCIDENT MANAGEMENT TEAM 2 HRS. (OC)
Prerequisite: Department approval. This course prepares the student to function as a member of an incident management team. Goals and objectives of National Incident Management Systems’s Incident Command System 300 and 400 level courses are addressed. Two lecture hours per week.

**HEM 210** MASS CARE OF THE SPECIAL NEEDS POPULATION 1 HR. (OC)
Prerequisite: Department approval. This course addresses the challenges hospitals, health departments, and emergency medical services face in providing special needs sheltering during a disaster. Special needs takes on many forms from elder care, alternative care sites, and mass dispensing centers. Best practices and trends on the successful planning of mass care for the special needs population will also be discussed. One lecture hour per week.

**HEM 220** BUSINESS CONTINUITY FOR HEALTHCARE 2 HRS. (OC)
Prerequisite: Department approval. This course addresses the longest and most complex part of a disaster, ensuring business continuity. The six steps of business continuity are addressed. Students will learn how to implement business continuity into day-to-day healthcare operations, as well as after a disaster. Two lecture hours per week.

**HEM 230** HEALTHCARE RESPONSE TO BIOLOGICAL OR CHEMICAL THREATS 2 HRS. (OC)
Prerequisite: Department approval. This course addresses the threat of weapons of mass destruction on the healthcare environment. Discussed in this course are the types of weapons of mass destruction (WMD) agents and how they will affect healthcare response in a community, consisting of: patient care, decontamination, incident management, and protection of the healthcare campus. Two lecture hours per week.

**HEM 240** CRISIS LEADERSHIP 3 HRS. (OC)
Prerequisite: Department approval. This course addresses decision making in a high-stress, time-sensitive environment. Students will learn how to quickly work with new groups of people, make decisions with limited information, and conduct successful team meetings during a crisis. Three lecture hours per week.
Health Occupations

**HEOCC 111 INTRODUCTION TO HEALTH CAREERS** 1 HR. (OC)
Prerequisite: None. This course provides the student with a knowledge-based understanding of health care careers. Self-appraisal, critical analysis of health careers, workplace and professional skills, and safety issues are included. One half lecture and one and one-half laboratory hours per week or equivalent.

**HEOCC 112 INTRODUCTION TO PHARMACOLOGY** 2 HRS. (OC)
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. One lecture and two laboratory hours per week or equivalent.

**HEOCC 114 INTRODUCTION TO INTERDISCIPLINARY HEALTH CARE** 1 HR. (OC)
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 health care issues, interpersonal dynamics, team management employability skills, basic computer skills, and problem solving/cases are included. One half lecture and one and one-half laboratory hours per week or equivalent.

**HEOCC 200 DISEASE PROCESSES IN MAN** 3 HRS. (OC)
Prerequisite: BIOL 140 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. Three lecture hours per week or equivalent.

**HEOCC 220 LEGAL ISSUES IN HEALTH CARE** 1 HR. (OC)
Prerequisite: Acceptance to Physical Therapist Assistant or Occupational Therapy Assistant or Radiography or Transcription 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 are discussed. One lecture hour per week or equivalent.

**HEOCC 230 HEALTH CARE ORGANIZATION AND RESOURCES** 1 HR. (OC)
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 development of an understanding of health care system and resources; people, money, equipment, and facilities. Credentialing mechanisms will be identified and discussed. One lecture hour per week or equivalent.

**History**

**HIST 111 EARLY WORLD CIVILIZATIONS** 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course surveys the major ancient and medieval civilizations of the world from prehistoric origins to about 1600. Topics include civilizations of the Near East and Africa, South and East Asia, the Americas, as well as Europe and the Mediterranean. Four lecture hours per week. S2 906

**HIST 112 MODERN WORLD CIVILIZATIONS** 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a continuation of HIST 111 and concentrates on the Modern era of world history since about 1600. 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. Four lecture hours per week. H2 907

**HIST 117 EARLY WESTERN CIVILIZATION** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course presents an introduction of the history of Western Civilization in the Ancient, Medieval, and Renaissance periods. Major topics include origins of civilization, Hebrew and Greek cultures, Roman civilization, origins and development of Christianity, Medieval society and economy, rise of national monarchies, the Renaissance, the Protestant Reformation, and the origins of modern economic and political concepts. Three lecture hours per week or equivalent. S2 902

**HIST 125 BRITISH CULTURE AND SOCIETY** 3 HRS. (TC)
Prerequisite: Simultaneous enrollment in the Illinois Consortium for International Study’s London Program. This course is required of all students enrolled in the semester of study in the London program, organized by the Illinois Consortium for International Study. Its purpose is to acquaint the student with the history, institutions and social mores of Britain and the contributions made by the British to our own heritage. Taught by an ICIS instructor as well as by British experts in various fields, the course consists of lectures and field trips to places of importance to British history and culture. Three lecture hours per week. S2 903

**HIST 201 AMERICAN HISTORY TO 1877** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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 an acceptable form of government; the rise and development of political parties; changing concepts of democracy; the Westward Movement; sectional controversy, and the Civil War; and Reconstruction. Three lecture hours per week. S2 900

**HIST 202 AMERICAN HISTORY SINCE 1877** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course traces the history of the United States from the end of the 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 1920s; the Depression and the New Deal; World War II; and the United States since 1945. Three lecture hours per week. S2 901
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<tbody>
<tr>
<td>HLTH 041</td>
<td>BASIC LIFE SUPPORT (CPR)</td>
<td>.5 HRS.</td>
<td>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 BLS Healthcare Provider card. Eight one-hour sessions or equivalent.</td>
</tr>
<tr>
<td>HLTH 071</td>
<td>BASIC ELECTROCARDIOGRAMS</td>
<td>1 HR.</td>
<td>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 electrocardiology are presented. Lethal dysrhythmias will be discussed. Practical skills experiences will be provided to correlate with the course content. One-half lecture and one and one-half laboratory hours per week or equivalent.</td>
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<tr>
<td>HLTH 108</td>
<td>ELECTROCARDIOGRAM INTERPRETATION</td>
<td>1 HR.</td>
<td>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. The course will prepare the student for advanced cardiac life support study. One-half lecture and one and one-half laboratory hours per week or equivalent.</td>
</tr>
<tr>
<td>HLTH 110</td>
<td>FUNDAMENTALS OF STERILE PROCESSING</td>
<td>2 HRS.</td>
<td>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. One and one-half lecture and one laboratory hour per week or equivalent.</td>
</tr>
<tr>
<td>HLTH 111</td>
<td>ADVANCED CARDIAC LIFE SUPPORT (ACLS)</td>
<td>1 HR.</td>
<td>Prerequisite: Current American Heart Association - Healthcare Provider CPR certification; physician, nursing, EMT, paramedic, respiratory therapy, or other appropriate allied/clinical health personnel with department approval. This course is designed to prepare emergency, intensive care, or critical care healthcare providers 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 qualify as an American Heart Association ACLS provider. One lecture hour per week or equivalent.</td>
</tr>
<tr>
<td>HLTH 112</td>
<td>BASIC NURSE ASSISTANT TRAINING PROGRAM (BNATP)</td>
<td>5 HRS.</td>
<td>Prerequisite: COMPASS reading score of 62 or higher, or department approval. This course is designed to prepare the student to function as a nurse assistant in nursing homes. Three lecture and six laboratory hours per week or equivalent.</td>
</tr>
<tr>
<td>HLTH 116</td>
<td>NURSE ASSISTANT: ALZHEIMER’S DISEASE</td>
<td>1 HR.</td>
<td>Prerequisite: Concurrent enrollment in HLTH 112 or department approval and COMPASS reading score of 62 or higher. 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. One lecture hour per week or equivalent. (formerly HLTH 086)</td>
</tr>
<tr>
<td>HLTH 120</td>
<td>FIRST AID</td>
<td>2 HRS.</td>
<td>Prerequisite: None. 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.</td>
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<tr>
<td>HLTH 121</td>
<td>MEDICAL TERMINOLOGY</td>
<td>2 HRS.</td>
<td>Prerequisite: None. This course is a study of terminology used in all areas of medical and paramedical specialties. Emphasis is placed on word-building techniques and understanding of typical medical reports. Two lecture hours per week or equivalent.</td>
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<tr>
<td>HLTH 150</td>
<td>FOUNDATIONS OF HEALTH</td>
<td>3 HRS.</td>
<td>Prerequisite: None. 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. Three lecture hours per week.</td>
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The following courses are not currently being taught:

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<tbody>
<tr>
<td>HLTH 040</td>
<td>CARDIOPULMONARY RESUSCITATION INSTRUCTOR’S TRAINING</td>
<td>1 HR.</td>
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<tr>
<td>HLTH 062</td>
<td>CURRENT CONCEPTS OF MEDICATIONS III</td>
<td>1 HR.</td>
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<tr>
<td>HLTH 072</td>
<td>PHLEBOTOMY SKILLS</td>
<td>1 HR.</td>
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<tr>
<td>HLTH 073</td>
<td>BASIC PHYSICAL THERAPY SKILLS</td>
<td>2 HRS.</td>
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<tr>
<td>HLTH 083</td>
<td>BASIC SKILLS FOR HOMEMAKERS</td>
<td>3 HRS.</td>
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<tr>
<td>HLTH 085</td>
<td>BASIC NURSING ASSISTANT, PRE-SERVICE TRAINING</td>
<td>7 HRS.</td>
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Home Economics

(see FAMILY AND CONSUMER SCIENCES for nutrition courses)

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<tr>
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<tr>
<td>HOMEC 030</td>
<td>YOU AND YOUR CHILD – PARENTING</td>
<td>1 HR.</td>
<td>Prerequisite: None. This course will be for parents concerned with their child’s growth and development and the role they play. Socialization, importance of play, how personality and emotions develop, disciplining, effects of television and food on children will be stressed. Problems and</td>
</tr>
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</table>
HORT 110  INTRODUCTION TO HORTICULTURAL PLANTS
Prerequisite: None. This course is a study of horticultural plant structures, physiology and reproduction. Included are discussions of basic horticultural practices and occupational areas. Three lecture and three laboratory hours per week. AG 905

HORT 114  TURF MANAGEMENT I
3 HRS. (OC)
Prerequisite: None. This course emphasizes the general types of turf-grasses, their growth habits and requirements and the establishment of turf. Fertilizers, diseases, insects, weeds and turf equipment are included. Two lecture and three laboratory hours per week.

HORT 124  LANDSCAPE CONSTRUCTION
3 HRS. (OC)
Prerequisite: None. This course emphasizes techniques and uses of materials as they pertain to construction of various landscape features. Practical experience in the use of surveying instruments, concrete and paving materials. Additional experience in studying and constructing drainage systems, walls, steps, fences, terraces, and patios. Two lecture and three laboratory hours per week.

HORT 125  LANDSCAPE PLANTS I
3 HRS. (OC)
Prerequisite: None. This course includes identification characteristics of evergreen plants, ground covers and vines for landscaping. Emphasis is placed on their culture, use and aesthetic value. Two lecture and three laboratory hours per week.

HORT 126  HORTICULTURAL PLANT PRUNING
2 HRS. (OC)
Prerequisite: None. The purpose of this course is for the students to: (1) learn the theory of plant pruning; (2) develop the techniques to prune ornamental plants; (3) develop the techniques to prune tree fruits; (3) develop the techniques to prune small fruits; (4) select the correct equipment for pruning, and (5) develop an understanding of safe practices related to pruning and equipment use. One lecture and two laboratory hours per week.

HORT 130  LANDSCAPE PLANTS II
3 HRS. (OC)
Prerequisite: None. This course emphasizes the identification, selection, use and maintenance of deciduous trees and shrubs. Two lecture and three laboratory hours per week.

HORT 132  PLANT DISEASES AND INSECTS AND THEIR CONTROL
3 HRS. (OC)
Prerequisite: None. 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. Two lecture and three laboratory hours per week.

HORT 134  ARBORICULTURE TECHNIQUES
1 HR. (OC)
Prerequisite: HORT 126. 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. One lecture hour per week.

HORT 210  PLANT PROPAGATION
3 HRS. (OC)
Prerequisite: None. 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. Two lecture and three laboratory hours per week.

HORT 213  LANDSCAPE LAYOUT AND DESIGN
3 HRS. (OC)
Prerequisite: HORT 125 and 130. This course is an introduction to free hand drawing and scale drawings. Cost calculations and layout designs for specific jobs are emphasized. One lecture and six laboratory hours per week.

HORT 214  HORTICULTURAL MECHANICS
3 HRS. (OC)
Prerequisite: None. 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. Two lecture and three laboratory hours per week.

HORT 216  IRRIGATION SYSTEMS
2 HRS. (OC)
Prerequisite: HORT 114. This course will teach the student about irrigation system concepts, equipment, design, troubleshooting, and repair. Emphasis will be on residential design systems. Golf course systems will be introduced. Two lecture hours per week.

HORT 218  LANDSCAPE ESTIMATION AND CONTRACTS
2 HRS. (OC)
Prerequisite: None. The purpose of 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. Two lecture hours per week.

HORT 219  LANDSCAPE ESTABLISHMENT AND MANAGEMENT
2 HRS. (OC)
Prerequisite: None. The purpose of 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. Two lecture hours per week.
HORT 226  OCCUPATIONAL INTERNSHIP  5 HRS. (OC)
AND SEMINAR
Prerequisite: Department approval. The purpose of the class is for students to (1) gain work experience in the horticultural business of their choice; (2) practice skills learned in program classes; (3) develop new skills specific to their chosen occupation, and (4) learn the management aspects of a horticultural business. Twenty hours per week work experience.

HORT 229  HORTICULTURE BUSINESS MANAGEMENT  3 HRS. (OC)
Prerequisite: None. This course discusses the horticulture business field including organization, financing, merchandising, personnel management, credit and analytical procedures. Three lecture hours per week.

HORT 235  ADVANCED TURF MANAGEMENT  3 HRS. (OC)
Prerequisite: HORT 114. This course will teach the student about the lawn care and golf industries. Emphasis will be placed on maintenance of a variety of turf sites, including chemical selection, pest control, and equipment usage. Three lecture hours per week.

HORT 237  GARDEN FLOWERS  3 HRS. (OC)
Prerequisite: None. 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. Two lecture and three laboratory hours per week.

HORT 238  WINTER IDENTIFICATION OF DECIDUOUS PLANTS  1 HR. (OC)
Prerequisite: 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. One lecture hour per week.

HORT 241  INTRODUCTION TO COMPUTERIZED LANDSCAPE DESIGN  2 HRS. (OC)
Prerequisite: 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. One lecture and two laboratory hours per week.

HORT 245  GARDEN CENTER MANAGEMENT  3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

HORT 255  INDEPENDENT STUDY  1-5 HRS. (OC)
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. Three to fifteen laboratory hours per week or equivalent.

The following courses are not currently being taught:
HORT 040  LAWN AND GROUNDS IMPROVEMENT  1 HR. (VSC)
HORT 041  PROPAGATION AND CARE OF PLANTS IN THE HOME  1 HR. (VSC)

Hospitality

HOS 110  INTRODUCTION TO HOSPITALITY MANAGEMENT  3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

HOS 111  FRONT OFFICE OPERATIONS  3 HRS. (OC)
Prerequisite: HOS 110 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. Three lecture hours per week.

HOS 112  FACILITIES MANAGEMENT  3 HRS. (OC)
Prerequisite: HOS 110. 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. Three lecture hours per week.

Humanities

HUMAN 123  CLASSICAL HUMANITIES: BEGINNINGS THROUGH 1650  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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 interrelationships of the arts and to give students a broad cultural background. Three lecture hours per week. HF 902

HUMAN 124  MODERN HUMANITIES: 1650-1900  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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 interrelationships of the arts and to give students a broad cultural background. Three lecture and one laboratory hour per week. HF 903

HUMAN 125  CONTEMPORARY HUMANITIES  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a thematic-based interdisciplinary study of twentieth and twenty-first century literature, philosophy, and the visual arts, and music. Three lecture hours per week. HF 903

HUMAN 128  ART AND MUSIC  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This interdisciplinary course will survey the develop-
ment of music and the visual arts during the major epochs of Western Civilization. It is designed to provide students with a broad cultural background, an appreciation of music and the visual arts, and an understanding of how they are related to each other and to societies from which they developed. Three lecture hours per week. F9 900

**HUMAN 121** PSYCHIATRIC REHABILITATION SKILLS 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week or equivalent.

**HUMAN 122** PSYCHIATRIC REHABILITATION HEALTH SKILLS 4 HRS. (OC)
Prerequisite: None. 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 severe mental illness. Three lecture hours per week or equivalent.

**HUMAN 123** VOCATIONAL AND COMMUNITY LIVING SKILLS 4 HRS. (OC)
Prerequisite: None. 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. Three lecture and two laboratory hours per week or equivalent.

**HUMAN 124** FAMILY SYSTEMS IN THE HUMAN SERVICES 3 HRS. (OC)
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. Three lecture hours per week or equivalent.

**HUMAN 125** CULTURAL COMPETENCE IN THE HUMAN SERVICES 3 HRS. (OC)
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. Three lecture hours per week or equivalent.

**HUMAN 127** COMMUNITY RESOURCES AND ENTITLEMENT PROGRAMS 1 HR. (OC)
Prerequisite: HUMSV 110 or department approval. This course teaches students about community resources for at-risk population and how to help human services consumers access entitlement programs. One lecture hour per week or equivalent.

**HUMAN 150** HUMAN SERVICES TOPICS 1-3 HRS. (OC)
Prerequisite: None. 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. Repeatable up to a maximum of three times if the topic and content are different. One to three lecture hours per week.
**HUMSV 151 CRISIS AND SUICIDE INTERVENTION** 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week or equivalent.

**HUMSV 152 CHILD WELFARE SYSTEM** 1 HRS. (OC)
Prerequisite: None. 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. One lecture hour per week or equivalent.

**HUMSV 200 HUMAN SERVICES APPLICATIONS II** 3 HRS. (OC)
Prerequisite: HUMSV 110, 111, and COMM 110 or department approval. 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. Three lecture hours per week or equivalent.

**HUMSV 212 UNDERSTANDING DEMENTIA** 3 HRS. (OC)
Prerequisite: PSY 110 or department approval. 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. Three lecture hours per week or equivalent.

**HUMSV 213 ISSUES IN ABUSE** 3 HRS. (OC)
Prerequisite: HUMSV 124 or SOC 120 or department approval. 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. Three lecture hours per week or equivalent.

**HUMSV 250 HUMAN SERVICE INTERNSHIP** 2 HRS. (OC)
Prerequisite: HUMSV 110, 111, and 200 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. One lecture and three laboratory hours per week.

**HUMSV 255 INDEPENDENT STUDY** 1-5 HRS. (OC)
Prerequisite: HUMSV 110 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 associate dean for approval and remains on file within the department. The student also submits a final written report to the faculty member. Repeatable up to a maximum of five semester hours of credit. Three to fifteen laboratory hours per week or equivalent.

The following courses are not currently being taught:

**HUMSV 210 ADVOCACY IN THE HUMAN SERVICES** 3 HRS. (OC)
**HUMSV 214 ISSUES IN CARE GIVING** 3 HRS. (OC)

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**Independent Study**

**ICC 220 INDEPENDENT STUDY** 1-4 HRS. (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 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. Repeatable up to a maximum of four semester hours total credit.

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**Interior Design**

**INDSN 140 BASIC INTERIOR DESIGN** 4 HRS. (TC)
Prerequisite: None. 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. Four lecture hours per week.

**INDSN 141 HISTORY OF FURNITURE AND FURNISHINGS** 4 HRS. (TC)
Prerequisite: None. This lecture-based course covers the history of furniture, architectural elements and room design from Prehistoric Era through Modernism. Knowledge of residential and commercial projects of a particular historical style or blend of styles is taught as well. Four lecture hours per week.

**INDSN 255 INDEPENDENT STUDY** 1-5 HRS. (OC)
Prerequisite: Department approval. 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 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.

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**International Studies**

**INTST 130 THE SOCIETY AND CULTURE OF CHINA** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. S2 914N

**INTST 132 LATIN AMERICAN HUMANITIES** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course helps students to understand the history, cultures, and societies of Latin America from pre-Columbian times through the present. Three lecture hours per week. HF 904N

**INTST 133 CULTURES AND CIVILIZATIONS OF SUB-SAHARAN AFRICA** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course introduces students to the history, culture, and societies of sub-Saharan Africa from its beginning through the present. Three lecture hours per week. HF 904N
INTST 134  INTRODUCTION TO MIDDLE EASTERN CULTURES  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course introduces the student to Middle Eastern societies and their cultures. Social, economic, political, and religious institutions will be examined within an historic and geographic context. Special topics will include the origin and spread of Islam, the economics of oil, the sciences and mathematics. Three lecture hours per week.

S2 918N
INTST 140  GLOBAL ISSUES  3 HRS. (TC)
Prerequisite: Reading placement exam 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. Three lecture hours per week. S9 900

Interpreter Preparation

IPP 110  AMERICAN SIGN LANGUAGE I  4 HRS. (OC)
Prerequisite: COMPASS reading score of 81 or higher, 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. Two lecture and four laboratory hours per week.

IPP 111  AMERICAN SIGN LANGUAGE II  4 HRS. (OC)
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. Two lecture and four laboratory hours per week.

IPP 112  AMERICAN SIGN LANGUAGE III  3 HRS. (OC)
Prerequisite: IPP 111 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. Two lecture and two laboratory hours per week.

IPP 115  DEAF CULTURE I  3 HRS. (OC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or ENGL 110 or 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. Three lecture hours per week.

IPP 118  AMERICAN SIGN LANGUAGE: FINGERSPELLING AND NUMBERING I  2 HRS. (OC)
Prerequisite: Completion of IPP 111 with “C” or better or department approval. This is a beginning course in fingerspelling. It introduces basic vocabulary and linguistic principles. Receptive and expressive skills are both emphasized. Topics covered include alphabetic, numeric, lexicalization, history, and preventing repetitive motion injury. One lecture and two laboratory hours per week.

IPP 120  INTRODUCTION TO INTERPRETING  2 HRS. (OC)
Prerequisite: COMPASS reading score of 81 or higher, 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. Topics in the course include: the history and evolution of the profession, the role of the interpreter as defined by the RID Code of Professional Conduct, and a survey of the following topics: state and national laws and policies that affect the interpreter, state and a national testing systems for interpreter certification and credentialing: Educational Performance Assessment (EIPA), Registry of Interpreters for the Deaf National Certification System (RID-NIC), and the Illinois Test of English Proficiency-Board of Evaluation of Interpreters (TEP/BEI). Students will survey language modalities used in professional interpreting environments. Students will also observe working interpreters in professional settings. Elements of professionalism will also be discussed. Two lecture hours per week.

IPP 121  PRACTICAL AND ETHICAL APPLICATIONS OF INTERPRETING  3 HRS. (OC)
Prerequisite: IPP 110, 115, and 120 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 discussion 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. Three lecture hours per week.

IPP 210  AMERICAN SIGN LANGUAGE IV  3 HRS. (OC)
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. Two lecture and two laboratory hours per week.

IPP 211  AMERICAN SIGN LANGUAGE V  3 HRS. (OC)
Prerequisite: IPP 210, 216, 220, and 230 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. Two lecture and two laboratory hours per week.

IPP 216  OCCUPATIONAL INTERPRETING  3 HRS. (OC)
Prerequisite: IPP 112, 118, and 121 with a grade of “C” or better, or department approval. This course will focus on the nature and implications in the educational, medical, mental health, rehabilitation, social services, business, government, religious, and performing arts settings. Specialized vocabulary from each venue will be demonstrated. Surveys of the following topics will also be included: Deaf-Blind interpreting and basic business practices for freelance interpreters. Three lecture hours per week.
ITAL 110 ELEMENTARY ITALIAN I
Prerequisite: Appropriate placement score or department approval. This course is designed to develop through the natural approach the four language skills necessary to achieve proficiency in speaking, listening, reading, and writing. Four lecture hours per week.

ITAL 111 ELEMENTARY ITALIAN II
Prerequisite: ITAL 110 or equivalent or department approval. This course is a continuation of ITAL 110 with emphasis on listening, speaking, reading, and writing. This course is conducted primarily in Italian. Four lecture hours per week.

ITAL 210 INTERMEDIATE ITALIAN I
Prerequisite: ITAL 111 or equivalent or department approval. This course emphasizes conversation, selected readings, and composition. This course is conducted primarily in Italian. Four lecture hours per week.

ITAL 211 INTERMEDIATE ITALIAN II
Prerequisite: ITAL 210 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 primarily in Italian. Four lecture hours per week.

Journalism

JOURN 122 BEGINNING REPORTING
Prerequisite: None. 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. Three lecture hours per week. MC 919

JOURN 123 BASIC NEWS EDITING
Prerequisite: JOURN 122 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. Three lecture hours per week.

JOURN 142 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. Two lecture and two laboratory hours per week.

JOURN 210 SPORTSWriting
Prerequisite: JOURN 122 or department approval. This course is an overview of the rapidly growing field of sports journalism, with focus on how sport is covered and reported by newspapers, magazines, radio/television, and college sports information directors. Modern day technologies, including, but not limited to, online publishing, blogs, forums and social media, will also be investigated. Three lecture hours per week.

Library Technology

LIB 110 INTRODUCTION TO LIBRARIES
Prerequisite: None. This course is an introduction to the history, purpose, organization, and services of libraries, focusing on the role of the library technical assistant. It gives an in-depth view of different types of libraries and identifies job opportunities in the field. Three lecture hours per week.

LIB 111 INTRODUCTION TO RESEARCH
Prerequisite: None. 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. One lecture hour per week.
LIB 114  AUDIOVISUAL EQUIPMENT OPERATION 2 HRS. (OC)
Prerequisite: None. This course stresses practical experience in operating traditional and current AV equipment to deliver effective, comprehensive service support. Emphasis on equipment operation will also include introduction to Internet services, enriched media, and desktop applications. One lecture and two laboratory hours per week.

LIB 125  CATALOGING AND CLASSIFICATION 3 HRS. (OC)
Prerequisite: None. 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. Two lecture and two laboratory hours per week.

LIB 200  INTRODUCTION TO CHILDREN'S/ YOUTH SERVICES IN LIBRARIES 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

LIB 210  REFERENCE 3 HRS. (OC)
Prerequisite: None. This course teaches the student the criteria for 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 World Wide Web browsers. Students gain experience in using these materials to answer reference questions. Two lecture and two laboratory hours per week.

LIB 222  SPECIAL TOPICS FOR LIBRARY TECHNICAL ASSISTANTS 1-3 HRS. (OC)
Prerequisite: None. 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. One to three lecture hours per week.

LIB 231  INTRODUCTION TO PATRON SERVICES 3 HRS. (OC)
Prerequisite: None. This course is designed to provide a basic understanding of the operations of library public services departments. Emphasis will be on library organization and policies, circulation, interlibrary loan, security, collection management, information services, and public relations and programs. Three lecture hours per week.

LIB 250  LIBRARY PRACTICUM 1-3 HRS. (OC)
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. Five to fifteen laboratory hours per week. The following course is not currently being taught:

LIB 118  TECHNICAL SERVICES II: PREPARATION AND MAINTENANCE OF MATERIALS 3 HRS. (OC)

Life Science

The following courses are not currently being taught:

LIFSC 002  INTERPRETING PLANTS AND ANIMALS OF WILDLIFE PRAIRIE PARK 1 HR. (GSC)
LIFSC 003  DINOSAURS 1 HR. (GSC)
LIFSC 004  ANIMAL CARE AT GLEN OAK ZOO 1 HR. (GSC)
LIFSC 005  INTRODUCTION TO WILDLIFE REHABILITATION 1 HR. (GSC)

Life Skills

The following course is not currently being taught:

LIFSK 100  LIFE SKILLS 3 HRS. (ABE)

Literature

LIT 110  INTRODUCTION TO LITERATURE 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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 appreciation of content and form. Three lecture hours per week. H3 900

LIT 111  THE SHORT STORY AND THE NOVEL 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. H3 901

LIT 115  MYTHOLOGY 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is designed to acquaint the student with the origin and development of classical myths that have greatly influenced modern culture. Three lecture hours per week. H9 901

LIT 117  INTRODUCTION TO POETRY 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course introduces the student to poetry in English, the variety of its forms and themes, and methods of interpretation. Three lecture hours per week. H3 903

LIT 119  WOMEN'S LITERATURE 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course introduces the student to literature written by women, exploring its themes and literary/cultural contexts. Three lecture hours per week. H3 911D
LIT 120  THE BIBLE AS LITERATURE  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. H5 901

LIT 122  LITERATURE OF ETHNIC AMERICA  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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 literary heritage, there are some significant eras that reinforce the themes, style, forms, and attitudes presented by minority writers. Three lecture hours per week.

LIT 212  ENGLISH LITERATURE  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. H3 912

LIT 213  ENGLISH LITERATURE  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. H3 913

LIT 214  SHAKESPEARE  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course examines a number of Shakespeare’s plays intensively as illustrations of different phases of his work. Three lecture hours per week. H3 905

LIT 215  AMERICAN LITERATURE  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course examines American literature from its beginnings to 1865 as it reflects the development of our country. Three lecture hours per week. H3 914

LIT 216  AMERICAN LITERATURE  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course examines American literature from the Civil War to the present. Three lecture hours per week. H3 915

LIT 230  RUSSIAN LIFE AND LITERATURE FROM CZARIST PERIOD TO POST-SOVIET UNION PERIOD  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is designed to further the student’s understanding of the culture and history of the Czarist time, the Revolution and Communist eras, and the period after the fall of Communism through a study of drama, the prose, and poetry. Works by Pushkin, Tolstoi, Dostoevski, Chekhov, Pasternak, Babel, Solzhenitsyn, and the poets of the period are included. Three lecture hours per week. H3 909

LIT 240  FANTASY LITERATURE  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course focuses on creation and expression of fantasy in literature. English and American myth, nineteenth century and modern English and American fantasy, and the Anglo-Saxon, medieval, and modern concepts of the fantasy hero are studied. Three lecture hours per week or equivalent.

LIT 250  MASTERPIECES OF WESTERN LITERATURE  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course examines important literary works from Western literature, both for their own significance and as the background for modern literature. Three lecture hours per week. H3 906

Machine Trades

MAC 110  PRINT READING - MECHANICAL  3 HRS. (OC)
Prerequisite: None. This course is designed to familiarize the student with manufacturing and engineering processes and materials, through the study of mechanical blueprint reading. Drawings studied include: orthographic projection, sections, auxiliary views, sub- and assembly-prints. Emphasis is placed on processing requirements 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. Three lecture hours per week.

MAC 121  MACHINE TOOL OPERATION I  3 HRS. (OC)
Prerequisite: None. 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. One lecture and four laboratory hours per week. MTM 922

MAC 122  MACHINE TOOL OPERATION II  3 HRS. (OC)
Prerequisite: MAC 121 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. One lecture and four laboratory hours per week.

MAC 123  MACHINE TOOL OPERATION III  2 HRS. (OC)
Prerequisite: MAC 122 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. One lecture and three laboratory hours per week.

MAC 124  SPECIAL MACHINING SKILLS  2 HRS. (OC)
Prerequisite: MAC 123. This course is designed to give practice in making projects requiring a high degree of skill in machining operations. The student is required to demonstrate accuracy and efficiency in the production of close tolerance tooling and jigs and fixtures. One lecture and three laboratory hours per week.

MAC 221  MACHINING INTERNSHIP  1 HR. (OC)
Prerequisite: Completion of the first year of the Machine Tool Technology curriculum or department approval. 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. Eight internship hours per week.

The following course is not currently being taught:

MAC 118  INTRODUCTION TO TOOL MAKING  2 HRS. (OC)
Maintenance

MAINT 101 MAINTENANCE - MECHANICAL REPAIR I 4 HRS. (OC)
Prerequisite: One year of high school algebra or MAT 094; and credit or concurrent enrollment in MACTR 110. This is the first of a two-course sequence in mechanical maintenance and repair. The course sequence is designed principally for people seeking employment or upgrading of skills as maintenance-mechanics, millwrights, and repairmen. This course surveys these topics: measuring systems, elements of mechanics, piping systems, lubrication, drive components, and bearings. The course emphasizes proper maintenance, installation, and identification of mechanical components with regard to proper usage and adaptability. Three lecture and three laboratory hours per week.

MAINT 102 MAINTENANCE - MECHANICAL REPAIR II 3 HRS. (OC)
Prerequisite: MAINT 101 or equivalent, or PHYS 112 and ROBOT 114; or department approval. This is the second course in maintenance-mechanical repair. This course sequence is designed primarily for people seeking employment as mechanics, repairmen, riggers or millwrights. This course surveys the topics of hydraulic principles, components of hydraulic systems, hydraulic fluids, principles of pneumatics, components of pneumatics systems, preparation of conductors and specific practices for hydraulic, and pneumatic system troubleshooting. Two lecture and three laboratory hours per week.

MAINT 103 MAINTENANCE - ELECTRICAL REPAIR I 4 HRS. (OC)
Prerequisite: One year high school algebra or credit or concurrent enrollment in MAT 094 or department approval. This course is designed to provide the student with the fundamental theory necessary to understand and thereby perform electrical maintenance. Reading schematics, basic electrical topics, electrochemical action, batteries, DC circuits, transformers, AC circuits, electrical measuring instruments, and electrical protective devices will be studied. Three lecture and three laboratory hours per week.

MAINT 104 MAINTENANCE - ELECTRICAL REPAIR II 4 HRS. (OC)
Prerequisite: MAINT 103 or equivalent, and employment in this field; or department approval. This course is designed to provide the student with the knowledge and skill necessary to maintain and repair DC and AC electrical equipment. Topics covered include DC equipment, single phase and three phase motors, AC controls, and electrical troubleshooting techniques. Three lecture and three laboratory hours per week.

Mathematics (Non-transfer)

MAT 092 INTRODUCTION TO MATHEMATICS 3 HRS. (BEC)
Prerequisite: Placement into MAT 092 is according to placement test scores or on a voluntary basis. This course is designed for students who need to review basic arithmetic skills before taking Beginning Algebra (MAT 094 – formerly MAT 104). Topics include basic operations and applications of whole numbers, fractions, decimals, signed numbers and an introduction to algebra. As calculators are not permitted in MAT 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 Beginning Algebra. Repeatable up to a maximum of three times. Three lecture hours per week. (Formerly MAT 102)

MAT 094 ELEMENTARY ALGEBRA 5 HRS. (BEC)
Prerequisite: Placement into MAT 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. Repeatable up to three times. Five lecture hours per week. (Formerly MAT 104)

MAT 095 ELEMENTARY GEOMETRY 3 HRS. (AEC)
Prerequisite: One year of high school algebra or concurrent enrollment in MAT 094. 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. Three lecture hours per week. (Formerly MAT 105)

MAT 097 ELEMENTARY ALGEBRA REVIEW 2 HRS. (BEC)
Prerequisite: One year of high school algebra (or equivalent) and department approval or by placement test scores. 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 MAT 094. Topics include real numbers, linear equations and inequalities, systems of equations, exponents, polynomials, factoring, quadratic equations, and rational expressions and equations. Repeatable up to a maximum of three times. Two lecture hours per week. (Formerly MAT 107)

MAT 098 INTERMEDIATE ALGEBRA 3 HRS. (ASE)
Prerequisite: MAT 094 or 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. Three lecture hours per week. (Formerly MAT 108)

MAT 099 MATHEMATICAL LITERACY 6 HRS. (AEC)
Prerequisite: A grade of “B” or higher in MAT 092 (or equivalent) or equivalent placement test score, or department approval. Mathematical Literacy for College Students 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 111. This course is not a prerequisite course for MATH 115. Six lecture hours per week.

MAT 106 APPLIED ALGEBRA, GEOMETRY AND TRIGONOMETRY 4 HRS. (OC)
Prerequisite: MAT 094 or equivalent. 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. Three lecture and three laboratory hours per week.

The following course is not currently being taught:

MAT 100 COMPUTATIONAL MATHEMATICS 1.5 HRS. (BEC)
Mathematics

MATH 110 CONCEPTS OF MATHEMATICS 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and MAT 095 and MAT 098 with a grade of "C" or better or two years of high school algebra and one year of high school geometry. This course introduces the nature of mathematics through a study of elementary logic, set theory, statistics, geometry, and the mathematics of finance. The course will focus on mathematical reasoning and real-life problem solving. This is not intended to be a survey course or a math appreciation course. MATH 110 will satisfy three of the six general education credit hours in mathematics needed for the transfer degree. Elementary education majors should enroll in MATH 200 rather than this course. Three lecture hours per week. M1 904

MATH 111 GENERAL EDUCATION STATISTICS 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and MAT 095 and MAT 098 with a grade of "C" or better or two years of high school algebra and one year of high school geometry. This course includes a study of frequency distribution, graphs (histograms, pie charts, etc.), measures of location (mean, median, mode, percentile), measures of dispersion (variance, standard deviation), probability, estimating and predicting, normal distribution, binomial distribution, and correlation. This course is intended to meet the three hours of math general education requirements for the Associate in Arts Degree. It is not intended as a replacement for pre-calculus statistics. This course will emphasize the quantitative portion of descriptive statistics – gathering, analyzing, presenting and interpreting data. Three lecture hours per week including computer lab activities. M1 902

MATH 115 COLLEGE ALGEBRA 3 HRS. (TC)
Prerequisite: MAT 098 with a grade of “C” or better or an appropriate score on the math placement test. This course reviews and expands topics included in Intermediate Algebra. Additional topics will enhance the student’s level of understanding and skill in algebra. Students preparing to take MATH 222 are advised to take MATH 165. Three lecture hours per week.

MATH 120 COLLEGE TRIGONOMETRY 3 HRS. (TC)
Prerequisite: MAT 095 and MAT 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. Three lecture hours per week.

MATH 122 DISCRETE MATHEMATICS I 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, and MATH 115 with a grade of “C” or better, or equivalent, or department approval. This course covers directed and undirected graphs including trees and routing; combinatorics and counting principles; logic, functions, relations and sets; Boolean Algebra and switching theory; and finite state machines. Application problems from the field of computer science will be studied such as speed of sorting, database management, and routing in networks. Three lecture hours per week. M1 905 & CS 915

MATH 124 MATHEMATICS WITH COMPUTER PROGRAMMING 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and MAT 095 with a grade of “C” or better or department approval. This course provides an introduction to the solution of mathematical problems using computer algebra systems and computer programming. This course is intended for students in mathematics, science, engineering, and economics. MATH 124 is an elective course for those students who wish to learn about computer algebra systems, such as Mathematica, and about various ways to program. One lecture and four laboratory hours per week.

MATH 130 TECHNICAL ALGEBRA AND TRIGONOMETRY 5 HRS. (OC)
Prerequisite: MAT 095 and 098 with a grade of “C” or better, or MAT 106 with a grade of “C” or better, or two years of high school algebra, one year of high school geometry and an appropriate score on the math placement test. This course covers 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. Five lecture hours per week. (formerly GENTK 134)

MATH 134 FINITE MATH 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval 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. Four lecture hours per week. M1 906

MATH 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and MATH 115 with a grade of “C” or better. This course covers the basic ideas of calculus including differentiation and integration of polynomial, logarithmic and exponential functions. Application problems are chosen from the fields of Business and Social Science. Four lecture hours per week. M1 906B

MATH 137 TECHNICAL CALCULUS 3 HRS. (OC)
Prerequisite: MATH 130 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. Two lecture and three laboratory hours per week.

MATH 165 PRECALCULUS 5 HRS. (TC)
Prerequisite: MATH 115 and 120 with a grade of “C” or better, or an appropriate score on the math placement test. 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. Trig topics will include: numerical aspects, including Laws of Sines and Cosines; trig identities and equation solving; powers and roots of complex numbers; and radian measure and conversion. This course will make use of current technology. Five lecture hours per week.

MATH 190 MATHEMATICAL REASONING FOR THE ELEMENTARY TEACHER I 3 HRS. (TC)
Prerequisite: MAT 095 with a grade of “C” or better and MAT 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 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 fractions, percents, place value, and decimals. Three lecture hours per week.
MATH 200  MATHEMATICS FOR  
ELEMENTARY TEACHERS 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 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 historical development of the system will be discussed along with many of the applications that an understanding of elementary mathematics permits. Mathematical reasoning and problem solving are consistent themes throughout the course. Four lecture hours per week.

MATH 201  MATHEMATICS FOR  
ELEMENTARY TEACHERS II
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and MATH 190 and MATH 200 with a grade of “C” or better or department approval. This course is designed to survey and expand 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. Two lecture and two laboratory hours per week. M1 903

MATH 211  STATISTICAL ANALYSIS
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval 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. Three lecture and two laboratory hours per week. M1 902

MATH 222  CALCULUS AND ANALYTIC GEOMETRY I
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and MATH 165 with a grade of “C” or better or an appropriate score on the Math Placement Test. 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. Five lecture hours per week. M1 9001 MTH 901

MATH 223  CALCULUS AND ANALYTIC GEOMETRY II
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval 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. Four lecture hours per week. M1 9002 MTH 902

MATH 224  CALCULUS AND ANALYTIC GEOMETRY III
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval 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. Four lecture hours per week. M1 9003

MTH 903

MATH 230  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. Three lecture hours per week.

MATH 250  DIFFERENTIAL EQUATIONS
Prerequisite: MATH 224 with a grade of “C” or better; prior knowledge of the basic concepts of physics is recommended. This course includes first order and simple higher order ordinary differential equations with applications, linear differential equations with constant coefficients and their applications, solution by means of La Place Transforms, solutions of partial differential equations, boundary value problems and Fourier Series. Three lecture hours per week. MTH 912

The following course is not currently being taught:

MATH 150  MATHEMATICS OF MEDICATIONS
1 HR. (OC)

MATH 240  DISCRETE MATHEMATICS II
3 HRS. (TC)

Mass Communication

MCOMM 110  INTRODUCTION TO MASS MEDIA
3 HRS. (TC)
Prerequisite: None. This course is an overview of the nature of mass communication and the characteristics, functions, and impact of the multiple forms of mass media. Three lecture hours per week. MC 911

MCOMM 113  INTRODUCTION TO RADIO, TV, 
AND EMERGING MEDIA
3 HRS. (TC)
Prerequisite: None. A survey of the radio and television industries and the integration of electronic media with the Internet and digital media. Three lecture hours per week. MC 914

MCOMM 140  SPORTS MEDIA AND SOCIETY
3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

MCOMM 160  MASS COMMUNICATION INTERNSHIP I
1-3 HRS. (TC)
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. Repeatable up to a maximum of three semester hours of credit. At least five work hours per week per credit hour received or equivalent (summer) plus weekly meetings with a college supervising professor.

MCOMM 214  TV AND MOTION PICTURE PRODUCTION
3 HRS. (TC)
Prerequisite: MCOMM 110 or 113 or department approval. This course is a “hands-on” introduction to the creative, technical and collaborative process of making television programming, films and corporate video. Two lecture and three laboratory hours per week.

MCOMM 215  MEDIA PERFORMANCE
3 HRS. (TC)
Prerequisite: MCOMM 110 or 113 or department approval. In this course, students develop and apply proper communication skills and techniques for performing on radio, television, podcasts or other audio/visual media. Two lecture and three laboratory hours per week. MC 918

MCOMM 217  AUDIO PRODUCTION
3 HRS. (TC)
Prerequisite: MCOMM 110 or 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. Two lecture and three laboratory hours per week. (formerly RADTV 217)
Mechanical Technology

MECTK 106  BASIC DRAFTING  2 HRS. (OC)
Prerequisite: None. 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. One lecture and three laboratory hours per week.

MECTK 110  INTRODUCTION TO THE TOOLS OF TECHNOLOGY  3 HRS. (OC)
Prerequisite: MAT 094 or one year of high school algebra. 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. Two lecture and four laboratory hours per week.

MECTK 111  TECHNICAL DRAFTING  2 HRS. (OC)
Prerequisite: MECTK 106 or high school drafting. This is a post-secondary level mechanical drafting course which discusses the principles of orthographic projection, section and auxiliary views, and dimensioning systems as they apply to the machine shop environment. Sheetmetal developments will also be introduced. One lecture and three laboratory hours per week.

MECTK 113  SHEETMETAL FABRICATION  1 HR. (OC)
Prerequisite: MECTK 111, concurrent enrollment or department approval. This course introduces students to the safe and correct procedures of sheet metal fabrication. Students work through a combination of structured labs and then student designed projects to learn the fundamentals of sheetmetal layout and fabrication. Three laboratory hours per week.

MECTK 115  PRINCIPLES OF DIMENSIONAL METROLOGY  2 HRS. (OC)
Prerequisite: None. This theory and laboratory course is designed to develop dimensional measurement understanding and ability. The correlation between industrial processes and skilled workers or technicians using the communicative aspects of measurement will be discussed. 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. One lecture and three laboratory hours per week.

MECTK 121  INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING  3 HRS. (OC)
Prerequisite: MECTK 106 with a grade of “C” or better and passing score on the drafting placement test. 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. Two lecture and three laboratory hours per week.

MECTK 123  MECHANICAL DETAILING WITH CAD  3 HRS. (OC)
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. Two lecture and three laboratory hours per week.

MECTK 125  3-D MODELING WITH CAD  3 HRS. (OC)
Prerequisite: MECTK 121. This course will provide mechanical design students with advanced 3-D problems, surfacing, solid modeling, developments, intersections and assemblies. Topics in descriptive geometry and outputting drawing information will also be included. Students will develop professional skills in approaching and solving these problems via the CAD workstation. Two lecture and four laboratory hours per week.

MECTK 134  PROCESSES OF INDUSTRY  3 HRS. (OC)
Prerequisite: None. This course is designed to provide an understanding of the basic principles and practices of modern manufacturing processes – how processes are selected, what they can be expected to do, how they can be utilized more efficiently, and what is required to analyze and evaluate them. The role of the manufacturing engineer is covered, with emphasis on how he selects the best manufacturing process to most economically perform the required series of manufacturing operations to produce quality parts. Two lecture and three laboratory hours per week.

MECTK 138  MANUFACTURING PROCESSES I  3 HRS. (OC)
Prerequisite: None. 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. Two lecture and three laboratory hours per week. IND 913
MECTK 149  BASIC POWER TRANSMISSION  2 HRS. (OC)  
Prerequisite: MAT 094 with the grade or “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. One lecture and three laboratory hours per week.

MECTK 150  MECHANICAL SYSTEMS I  2 HRS. (OC)  
Prerequisite: MECTK 149. 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 151. One lecture and three laboratory hours per week.

MECTK 151  MECHANICAL SYSTEMS II  2 HRS. (OC)  
Prerequisite: MECTK 150. This course is the third of a three-course sequence. Mechanical Systems II provides the student with knowledge and hands-on experience of mechanical systems used by industry. Students will become proficient in mechanical areas including precision bearing installation, setting thrust bearing pre-load, packing and seals, crankcases, and way scraping. One lecture and four laboratory hours per week.

MECTK 152  INDUSTRIAL RIGGING  2 HRS. (OC)  
Prerequisite: MAT 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. One lecture and three laboratory hours per week.

MECTK 154  MECHANICS OF MATERIALS  2 HRS. (OC)  
Prerequisite: PHYS 104 and MATH 130. This course introduces the student to basic concepts of the mechanics of materials. Topics include the result of forces on materials, stress, and the resulting strain. The properties of engineered materials and fasteners will be explored. Structured laboratory experiences provide the maintenance mechanic student with industrial experiences. One lecture and three laboratory hours per week.

MECTK 155  PIPING SYSTEMS  1 HR. (OC)  
Prerequisite: None. 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. One-half lecture and two laboratory hours per week.

MECTK 201  MECHANISMS  3 HRS. (OC)  
Prerequisite: PHYS 112. 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. Two lecture and three laboratory hours per week.

MECTK 204  STATICS AND STRENGTH OF MATERIALS  4 HRS. (OC)  
Prerequisite: PHYS 112. This course is an introduction to the analysis of 2-D 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. Three lecture and three laboratory hours per week.

MECTK 220  ADVANCED CAD PROJECTS  2 HRS. (OC)  
Prerequisite: MECTK 123 and 125. This course provides the advanced CAD student with professional experience in the design, layout and output of actual machine parts. The student will integrate technical skills acquired in the Mechanical Design program. Students will practice working as a team, project planning, problem solving, project evaluation and presentation skills. One lecture and three laboratory hours per week.

MECTK 221  MACHINE DESIGN I  3 HRS. (OC)  
Prerequisite: Credit or concurrent enrollment in MECTK 204. 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 systems as tools in the design process. The course stresses the design of a complete machine. Two lecture and three laboratory hours per week.

MECTK 222  MACHINE DESIGN II  3 HRS. (OC)  
Prerequisite: MECTK 211 or equivalent, MECTK 204. 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. Two lecture and three laboratory hours per week.

MECTK 226  STATISTICS AND QUALITY CONTROL  3 HRS. (OC)  
Prerequisite: MECTK 134 or 138, and MATH 137; 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. Two lecture and three laboratory hours per week. IND 914

MECTK 231  INDUSTRIAL FLUID POWER  3 HRS. (OC)  
Prerequisite: Credit or concurrent enrollment in MAT 106. This course is a study of the basic components of hydraulic and pneumatic systems and how they are combined to build circuits for machine tools and mobile equipment. Emphasis is on reading and understanding fluid power circuit diagrams. Laboratory experiments allow discovery of power management and motion control strategies currently used on machinery. Control strategies in laboratory experiments include pressure, relay logic, and programmable controller. Content of the course is modeled after the content of the Fluid Power Society certification test for hydraulics technician. Two lecture and three laboratory hours per week.

MECTK 232  MATERIALS SCIENCE AND PHYSICAL METALLURGY  3 HRS. (OC)  
Prerequisite: MECTK 234 or 138 or MACTR 122. 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. Two lecture and three laboratory hours per week.
MEDLB 125 HISTOLOGY I: GENERAL TECHNIQUES  8 HRS. (OC)
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. Two lecture hours and eighteen laboratory hours per week or equivalent.

MEDLB 126 HISTOLOGY II: SPECIAL STAINS  5 HRS. (OC)
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. One lecture and twelve laboratory hours per week or equivalent.

MEDLB 255 INDEPENDENT STUDY  1-5 HRS. (OC)
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. Three to fifteen laboratory hours per week.

Medical Office

MEDO 110 MEDICAL ASSISTANT ADMINISTRATIVE SKILLS  4 HRS. (OC)
Prerequisite: Admission to the Medical Office and/or Medical Assistant Program. This course studies the medical office from a business-administrative standpoint including clerical functions, bookkeeping procedures, processing insurance claims, professional communications, legal and ethical concepts, patient instruction, and operational functions. Four lecture hours each week or equivalent.

MEDO 111 MEDICAL ASSISTANT CLINICAL PROCEDURES  4 HRS. (OC)
Prerequisite: MEDO 110 and RNRS 150 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. Two lecture and six laboratory hours per week.

MEDO 112 MEDICAL OFFICE COMPUTER SKILLS  1 HR. (OC)
Prerequisite: Admission to the Medical Office Assisting Program, Medical Office Assistant Program and/or department approval. This course emphasizes basic computer software operations as applied to the medical office setting. One-half lecture and one laboratory hour per week.

MEDO 115 INTRODUCTION TO ICD-10-CM AND ICD-10-PCS CODING  3 HRS. (OC)
Prerequisite: HLTH 121 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 the ICD-10-PCS (International Classification of Diseases, 10th revision, Procedure Coding System). Three lecture hours per week or equivalent.

MEDO 117 INTRODUCTION TO CURRENT PROCEDURAL TERMINOLOGY (CPT) CODING  2 HRS. (OC)
Prerequisite: HLTH 121 or equivalent and/or department approval. This course is designed to teach the basic purpose, structure, and conventions of the CPT system. Two lecture hours per week or equivalent.
MGM 114 PRINCIPLES OF SUPERVISION 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

MGM 203 SALES MANAGEMENT 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

MGM 205 PERSONNEL MANAGEMENT 3 HRS. (OC)
Prerequisite: None. This course covers the functions of the personnel department in managing an organization’s human resources. These functions include: job design, recruitment, selection, training, evaluation, motivation, labor relations, compensation, and safety. The impact of environmental factors on personnel management is covered. Emphasis is placed on E.E.O./A.A., O.S.H.A., and N.L.R.B. rules and regulations, as well as social and economic factors. Three lecture hours per week.

MGM 211 MANAGING THE SUPPLY CHAIN 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

MGM 213 MANAGEMENT CASES AND PROBLEMS 3 HRS. (OC)
Prerequisite: MGM 113. 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. Three lecture hours per week.

MGM 214 MANAGING TECHNOLOGY IN THE OFFICE 3 HRS. (OC)
Prerequisite: None. This course will provide introductory instruction in the management of the selection of technology and technological services for the business and/or home office. Topics include: planning for effective use of technology to enhance business efficiency, developing selection criteria, disseminating requests for proposals, selecting and working with vendors, managing outsourced projects, as well as avoiding common pitfalls when choosing technology for use in the office. Three lecture hours per week.

MGM 215 OFFICE MANAGEMENT 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

Management

MGM 113 PRINCIPLES OF MANAGEMENT 3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.
Marketing

MKTG 112 PRINCIPLES OF MARKETING 3 HRS. (TC)
Prerequisite: None. This course studies the business activities involved in planning, pricing, promoting, and distributing want-satisfying goods and services to present and potential customers. Three lecture hours per week.

MKTG 115 RETAILING 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

MKTG 200 ADVERTISING 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

MKTG 201 SALES 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

MKTG 202 CONSUMER MARKETING 3 HRS. (OC)
Prerequisite: MKTG 112. 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. Three lecture hours per week.

MKTG 207 EVENT PLANNING 3 HRS. (OC)
Prerequisite: None. 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 supplier/facilities, and meeting service providers. Three lecture hours per week.

MKTG 260 MARKETING INTERNSHIP 3 HRS. (OC)
Prerequisite: Admission to the Marketing Program and department approval, and the completion of 12 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. Fifteen field experience hours (minimum) and one seminar hour per week.

Multimedia

MM 105 BASIC MACINTOSH 1 HR. (OC)
Prerequisite: None. This hands-on, introductory survey course is designed for student development of basic concepts and skills for the Macintosh computer platform. It surveys computer operation, hardware components and basic software. It develops user-friendly technical skills. Instruction includes using: Macintosh computer, operating system, desktop interface, file management, basic word processing software and text editing functions, basic scanning and page layout software, and printing documents. Internet use and web browser functions are introduced. A grade of “C” or better on the multimedia placement test satisfies this requirement. Two laboratory hours per week.

MM 130 MULTIMEDIA SOFTWARE TOPICS 1-4 HRS. (OC)
Prerequisite: None. This course is a hands-on, skill-building course that stresses contemporary industry standard software as used in the multimedia industry. Students acquire technology, software skills, and competencies in four-week modules for current and emerging multimedia software applications. Two to eight laboratory hours per week.

MM 140 MULTIMEDIA PRODUCTION I 3 HRS. (TC)
Prerequisite: None. This course provides an 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. Six laboratory hours per week.

MM 142 DIGITAL PHOTOGRAPHY 3 HRS. (TC)
Prerequisite: MM 140 and GRDSN 140 or department approval. 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. Six laboratory hours per week.

MM 150 MULTIMEDIA THEORY 3 HRS. (TC)
Prerequisite: MM 140 and GRDSN 140 or department approval. 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. Six laboratory hours per week.

MM 230 DIGITAL VIDEO PRODUCTION 3 HRS. (TC)
Prerequisite: MM 140 and 150. 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. Six laboratory hours per week.
MM 231  VIDEO SPECIAL EFFECTS  3 HRS. (OC)
Prerequisite: MM 140 and MM 150. 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. Six laboratory hours per week.

MM 241  MULTIMEDIA AUTHORING  5 HRS. (TC)
Prerequisite: MM 140 and GRDSN 140 or department approval. 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. Ten laboratory hours per week.

MM 255  INDEPENDENT STUDY  1-5 HRS. (OC)
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. Three to fif-
teen laboratory hours per week.

Music

HUMANITIES

MUS 148  INTRODUCTION TO JAZZ  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or
department approval. 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; and early blues, 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. Three lecture hours per week.

F1 904

MUS 149  INTRODUCTION TO MUSIC LITERATURE  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or
department approval. 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
prerequisite for this course, there is an assumption of fundamental
knowledge and understanding of the elements of music. Three lecture
hours per week.  

MUS 150  WHAT TO LISTEN FOR IN MUSIC  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or
department approval. This is a general course introducing representative music of various periods from our musical heritage. Skills of intelligent
listening are taught. Three lecture hours per week.  

MUS 130, 230 CHAMBER SINGERS  1 HR. (TC)
Prerequisite: Department approval. Voice majors should enroll in this
ensemble which is open to a limited number of auditioned singers. Each
course may be repeated once for credit. Three laboratory hours per week
and other meetings as scheduled.

PERFORMING ORGANIZATIONS

MUS 131, 231 CONCERT BAND  1 HR. (TC)
Prerequisite: Previous band or orchestral experience. All students who play
wind or percussion instruments may enroll. Music students whose major
performing instrument is brass, woodwind or percussion must enroll. Each
course may be repeated once for credit. Three laboratory hours per week
and other meetings as scheduled.

MUS 132, 232 JAZZ BAND  1 HR. (TC)
Prerequisite: Previous instrumental experience. All students who play
guitar, piano, wind and percussion instruments may enroll. Some students
may be required to audition. Each course may be repeated once for credit.
Two laboratory hours per week and other meetings as scheduled.

MUS 134, 234 CONCERT CHOIR  1 HR. (TC)
Prerequisite: None. All students who want to sing in a choral organization
may enroll. Voice majors should enroll. Each course may be repeated once
for credit. Three laboratory hours per week and other meetings as scheduled.

MUS 137, 237 VOCAL JAZZ ENSEMBLE  1 HR. (TC)
Prerequisite: Department approval. Voice majors, voice minors, and students
from the total student body are encouraged to audition for this ensemble.
Three laboratory hours per week and other meetings as scheduled and/or
required. Each course may be repeated once for credit.

MUS 164, 264 GUITAR ENSEMBLE  1 HR. (TC)
Prerequisite: Previous guitar or ensemble experience required. Concurrent
enrollment recommended in one of the following: MUS 147, 162, 163,
262, or 263. 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.
Three laboratory hours per week. Each course may be repeated three
times for credit.

CLASS INSTRUCTION

MUS 110, 111 CLASS PIANO I & II  2 HRS. (TC)

210, 211 CLASS PIANO III & IV

Prerequisite: None (MUS 110 or equivalent is a prerequisite for MUS 111,
etc.). These courses are for 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. This
course can be repeated up to three times. Two lecture hours per week.

MUS 114, 214 CLASS PIANO FOR NON-MUSIC MAJORS  2 HRS. (TC)
Prerequisite: None for MUS 114; MUS 114 or equivalent for 214. These
consecutive courses are 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 simple keyboard music for personal enjoyment. Two
lecture and three practice hours per week.

MUS 146  BEGINNING CLASS GUITAR I  2 HRS. (TC)
Prerequisite: None. 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 elements apply to
the playing of the guitar. Two lecture hours per week.

MUS 147  BEGINNING CLASS GUITAR II  2 HRS. (TC)
Prerequisite: MUS 146. 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. Two lecture hours per week.
**MUSIC THEORY**

**MUS 136 MUSIC FUNDAMENTALS** 3 HRS. (TC)
Prerequisite: None. 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 music majors with insufficient background for music theory. Three lecture hours per week.

**MUS 170 HARMONY & ANALYSIS I** 3 HRS. (TC)
Prerequisite: MUS 136 or department examination. Theory placement test score must be 70 or higher to enroll 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 chords and principles of voice leading. Study in harmonic progression concludes this course. Music majors must complete this course and MUS 180 with a grade of “C” or better to enroll in MUS 171. Three lecture hours per week.

**MUS 180 MUSICIANSHIP I** 1 HR. (TC)
Prerequisite: MUS 136 or department examination. Theory placement score must be 70 or higher to enroll and concurrent enrollment in MUS 181. 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. Music majors must complete this course and MUS 170 with a grade of “C” or better to enroll in MUS 181. Two laboratory hours per week.

**MUS 181 MUSICIANSHIP II** 1 HR. (TC)
Prerequisite: MUS 180 and MUS 170 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. Music majors must complete this course and MUS 171 with a grade of “C” or better to enroll in MUS 280. Two laboratory hours per week.

**MUS 270 HARMONY & ANALYSIS III** 3 HRS. (TC)
Prerequisite: MUS 171 and 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 basic fundamentals, diatonic chords and principles of voice leading. Study in harmonic progression concludes this course. Music majors must complete this course with a grade of “C” or better to enroll in MUS 271. Three lecture hours per week.

**MUS 271 HARMONY & ANALYSIS IV** 3 HRS. (TC)
Prerequisite: MUS 270 and 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 Neapolitan chords, augmented 6th chords, other chromatic materials, and enharmonic modulation. Late 19th century harmony and an introduction to 20th century practices are also included. Three lecture hours per week.

**MUS 280 MUSICIANSHIP III** 1 HR. (TC)
Prerequisite: MUS 181 and 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 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. Two laboratory hours per week.

**MUS 281 MUSICIANSHIP IV** 1 HR. (TC)
Prerequisite: MUS 280 and 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 an introduction to chromaticism; modulation to closely-related keys; and syncopation. Aural understanding is developed through dictation and sight singing. Music majors must complete this course and MUS 270 with a grade of “C” or better to enroll in MUS 281, the fourth course in the sequence. Two laboratory hours per week.

**APPLIED MUSIC**

**MUS 117, 118 APPLIED PIANO** 1 HR. (TC)
217, 218
Prerequisite: Piano experience, completion of previous course in sequence, and registration in ensemble or department approval. These courses provide continuing study for the piano major on an individualized basis. Music majors are expected to register for applied music each semester. One lecture hour per week.

**MUS 128, 129 APPLIED VOICE** 1 HR. (TC)
228, 229
Prerequisite: Previous voice experience, completion of previous course in sequence, and registration in ensemble or department approval. These courses provide continuing study for the voice major on an individualized basis. The music major is expected to register for applied music each semester. One lecture hour per week.

**MUS 154, 155 APPLIED BRASS** 1 HR. (TC)
254, 255
Prerequisite: Previous brass experience, completion of previous course in sequence, and registration in ensemble or department approval. These courses provide continuing study for the brass major on an individualized basis. The music major is expected to register for applied music each semester. One lecture hour per week.

**MUS 158, 159 APPLIED WOODWIND** 1 HR. (TC)
258, 259
Prerequisite: Previous woodwind experience, completion of previous course in sequence, and registration in ensemble or department approval. These courses provide continuing study for the woodwind major on an individualized basis. The music major is expected to register for applied music each semester. One lecture hour per week.

**MUS 160, 161 APPLIED PERCUSSION** 1 HR. (TC)
260, 261
Prerequisite: Previous percussion experience, completion of previous course in sequence, and registration in ensemble or department approval. These courses provide continuing study for the percussion major on an individualized basis. The music major is expected to register for applied music each semester. One lecture hour per week.

**MUS 162, 163 APPLIED GUITAR** 1 HR. (TC)
262, 263
Prerequisite: Previous guitar experience, completion of previous course in sequence, and registration in ensemble or department approval. In these courses, 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. One lecture hour per week.
Office Applications and Computer Support

**OFACS 125  POWERPOINT**  
Prerequisite: None. 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. One lecture and one-half laboratory hour per week or equivalent.

**OFACS 126  OUTLOOK**  
Prerequisite: None. This course prepares students to manage e-mail, 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. One-half lecture and one laboratory hour per week or equivalent.

**OFACS 132  ELECTRONIC SPREADSHEETS**  
Prerequisite: None. This course covers basic training in the use of commercially available electronic spreadsheet software. This course is repeatable up to three times. Two lecture and two laboratory hours per week.

**OFACS 133  DATABASE MANAGEMENT SYSTEMS**  
Prerequisite: None. This course covers basic training in the use of commercially available database management system software. This course is repeatable up to three times. Two lecture and two laboratory hours per week.

**OFACS 211  INTEGRATED OFFICE PROJECTS**  
Prerequisite: WP 122, OFACS 132, and OFACS 133 with a grade of “C” or better or department approval. Students will complete this capstone course by pulling together and integrating 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. E-mail, calendaring, and Internet applications will also be utilized. Two lecture and two laboratory hours per week.

**OFACS 220  HELP DESK CONCEPTS**  
Prerequisite: CMNET 150, OFACS 132, and OFACS 133 all with a grade of “C” or better or department approval. This course introduces students to the organizational role and operation of the help desk function as it merges technology with communication and customer support services. Three lecture hours per week.

**OFACS 232  ADVANCED SPREADSHEETS**  
Prerequisite: OFACS 132 with a grade of “C” or better or department approval. This course covers the advanced topics of spreadsheets including multidimensional spreadsheets, graphics, databases, and printing enhancements. Macros (VBA) will be incorporated to present user-defined menus to assist in worksheet processing. Two lecture and two laboratory hours per week.

**OFACS 233  ADVANCED DATABASE**  
Prerequisite: OFACS 133 with a grade of “C” or better or department approval. 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. Two lecture and two laboratory hours per week.
Office Occupations

OFOCC 111  TELEPHONE SKILLS FOR THE OFFICE  1 HR. (OC)
Prerequisite: None. This course will cover training in the professional use of the telephone. One lecture hour per week or equivalent.

OFOCC 114  FUNDAMENTALS OF TRANSCRIPTION  3 HRS. (OC)
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. Three lecture hours per week.

OFOCC 117  USING VOICE RECOGNITION SOFTWARE  2 HRS. (OC)
Prerequisite: None. 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. One lecture and two laboratory hours per week.

OFOCC 141  SPECIAL TOPICS  .5-3 HRS. (OC)
Prerequisite: None. 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. One-half to three lecture hours per week or equivalent.

OFOCC 151  PROFESSIONAL DEVELOPMENT FOR OFFICE EMPLOYEES  3 HRS. (OC)
Prerequisite: None. This course prepares the student for initial entry into an office career through the study of business dress, office etiquette, customer service, professional behavior and integrity, workplace adjustments, office team membership, meeting professional responsibilities in the office, letters of application and resumes, job interviews, and office employment tests. Three lecture hours per week.

OFOCC 200  MACHINE TRANSCRIPTION AND SPECIALIZED TERMINOLOGY  2 HRS. (OC)
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 data including instruction in word processing software and transcription equipment. One lecture and two laboratory hours per week or equivalent.

OFOCC 205  FUNDAMENTALS OF RECORDS CONTROL  3 HRS. (OC)
Prerequisite: None. This course examines the principles of storage, retention, transfer and disposition of records; and numerous filing systems, equipment and techniques of record management. Three lecture hours per week.

OFOCC 210  ADMINISTRATIVE OFFICE PROCEDURES  3 HRS. (OC)
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. Three lecture hours per week.

OFOCC 250  OFFICE OCCUPATIONS INTERNSHIP  3 HRS. (OC)
Prerequisite: Admission to Office Occupations Internship Program and a 2.0 cumulative grade point average. The student-intern is employed 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. This course may be repeated one time. Fifteen field experience hours (minimum) and one seminar hour per week.

OFOCC 255  INDEPENDENT STUDY  1-5 HRS. (OC)
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. Three to fifteen laboratory hours per week or equivalent.

Orientation

ORIEN 100  ORIENTATION TO COLLEGE  2 HRS. (TC)
Prerequisite: Appropriate reading placement score or department approval. This course is designed to acquaint students with college life and community resources, learning and study skills, problem-solving and success strategies. Two lecture hours per week. (formerly PSY 114)

ORIEN 101  CAREER CHOICE  1 HRS. (TC)
Prerequisite: Appropriate reading placement score 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 group career counseling setting enables students to explore careers, career development, and career decision making through the use of standardized assessments and research activities. One lecture hour per week. (formerly PSY 119)

Occupational Therapy Assistant

OTA 110  FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT I  3 HRS. (OC)
Prerequisite: Acceptance to the Occupational Therapy Assistant Curriculum or department approval. This course is an introduction to occupational therapy history, philosophy, ethics, and practice. An overview of physical and psychosocial dysfunction across the lifespan will be presented. Two lecture and three laboratory hours per week.

OTA 111  FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT II  5 HRS. (OC)
Prerequisite: OTA 110 and 114 with a grade of “C” or better, or department approval. The fundamentals of occupational therapy individual and group interventions in the areas of aging and psychosocial dysfunction are applied. Level I fieldwork experience is completed. Three lecture and six laboratory hours per week.

OTA 112  PSYCHOSOCIAL DYSFUNCTION FOR THE OCCUPATIONAL THERAPY ASSISTANT  3 HRS. (OC)
Prerequisite: OTA 110 and 114 with a grade of “C” or better, or department approval. This course provides a basic understanding of mental health conditions and behaviors. The principles of occupational therapy interventions are discussed. Three lecture hours per week.
OTA 114 THERAPEUTIC MEDIA  4 HRS. (OC)
Prerequisite: Acceptance to the Occupational Therapy Assistant curriculum or department approval. This course provides an immersion in therapeutic media used in occupational therapy interventions to promote occupational performance. Two lecture and six laboratory hours per week.

OTA 118 FUNCTIONAL ANATOMY FOR THE OCCUPATIONAL THERAPY ASSISTANT  3 HRS. (OC)
Prerequisite: OTA 110, OTA 114 and BIOL 140, with a grade of “C” or better or department approval. In this course, body structures and functions of the neuromusculoskeletal system will be examined. Joint measurements and motion analysis will be emphasized related to life tasks. Two lecture and three laboratory hours per week.

OTA 210 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT III  4 HRS. (OC)
Prerequisite: OTA 210 and OTA 212 with a grade of “C” or better or department approval. This course is a continuation of the occupational therapy process related to individuals with physical dysfunction. Three lecture and three laboratory hours per week.

OTA 211 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT IV  4 HRS. (OC)
Prerequisite: OTA 211, OTA 212, and OTA 218 with a grade of “C” or better or department approval. This course applies the occupational therapy process related to individuals with physical dysfunction. Included are interventions addressing the pediatric population. Three lecture and three laboratory hours per week.

OTA 212 OCCUPATIONAL THERAPY ASSISTANT PRACTICE I  4 HRS. (OC)
Prerequisite: OTA 210, OTA 211, and OTA 212 with a grade of “C” or better or department approval. This course provides a fieldwork experience with an emphasis on psychosocial functioning across the lifespan. One lecture and ten laboratory hours per week.

OTA 213 OCCUPATIONAL THERAPY ASSISTANT PRACTICE II  6 HRS. (OC)
Prerequisite: OTA 210, OTA 211, and OTA 212 with a grade of “C” or better or department approval. This course provides fieldwork experience with an emphasis on varied physical and developmental functioning across the lifespan. One lecture and thirty laboratory hours per week.

OTA 220 MANAGEMENT AND PROGRAM DEVELOPMENT  2 HRS. (OC)
Prerequisite: OTA 210 and OTA 212 with a grade of “C” or better, or department approval. This course introduces management skills for the occupational therapy assistant including program development and advocacy for the profession. Two lecture hours per week.

OTA 255 INDEPENDENT STUDY  1-5 HRS. (OC)
Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other special 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.

Professional Development
Tractor/Trailer Driver Training
Offered by Professional Development Institute

PDTD 110 TRUCK DRIVING  7 HR. (OC)
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. Forty hours of classroom lecture and 120 hours of yard work and behind-the-wheel practice are included.

Philosophy

PHIL 110 INTRODUCTION TO PHILOSOPHY  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week.

PHIL 111 LOGIC  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week.

PHIL 112 COMPARATIVE RELIGIONS  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week.

PHIL 113 MEDICAL ETHICS  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week.

PHIL 114 BUSINESS ETHICS  3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

PHIL 115 ETHICS  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week.
PHIL 116  PHILOSOPHY OF RELIGION  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week.

PHYSICAL THERAPIST ASSISTANT

PHTA 100  PHYSICAL THERAPY ORIENTATION  .5 HRS. (OC)
Prerequisite: None. 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. Eight lecture hours per week.

PHTA 112  INTRODUCTION TO PHYSICAL THERAPY  1 HR. (OC)
Prerequisite: PHTA 114 and BIOL 140 with a grade of “C” or better and department approval. 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 legal and ethical issues in physical therapy. One lecture hour per week.

PHTA 114  FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT I 2 HRS. (OC)
Prerequisite: Acceptance to Physical Therapist Assistant curriculum. 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. One lecture and three laboratory hours per week.

PHTA 115  FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT II  4 HRS. (OC)
Prerequisite: PHTA 114 and BIOL 140 with a grade of “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. Two lecture and six laboratory hours per week.

PHTA 116  FUNCTIONAL ANATOMY  4 HRS. (OC)
Prerequisite: PHTA 114 and BIOL 140 with a grade of “C” or better, or department approval. This course includes analysis of human motion and muscle actions with detailed study of the musculoskeletal and nervous systems. It provides the foundation for understanding and application of physical therapy approaches to treatment. Two lecture and six laboratory hours per week.

PHTA 118  FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT III 5 HRS. (OC)
Prerequisite: PHTA 112, 115, and 116 with a grade of “C” or better or department approval. This course is a continuation of the skills and knowledge acquired in PHTA 115, focusing on orthopedic and arthritic conditions and their therapeutic management. Therapeutic exercise including stretching and strengthening, postural training, mechanical traction, goniometry, manual muscle testing and the understanding of common special tests performed by the physical therapist and physician are covered. Three lecture and six laboratory hours per week.

PHTA 130  CLINICAL I  1 HR. (OC)
Prerequisite: PHTA 112, 115, and 116 with a grade of “C” or better or department approval. This course includes an orientation to the clinical facility and supervised clinical practice in a physical therapy department. Students will participate and observe a variety of patient care interventions used in a physical therapy setting. Eight hours of supervised clinical practice per week.

PHTA 216  FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT IV 3 HRS. (OC)
Prerequisite: PHTA 112, PHTA 115, and PHTA 116 with a grade of “C” or better or department approval. This course provides an orientation to the principles of therapeutic electrical currents and their effects on the human body. Electrotherapeutic techniques used in physical therapy are introduced. Two lecture and four laboratory hours per week.

PHTA 218  FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT V 5 HRS. (OC)
Prerequisite: PHTA 118, 130, and 216 with a grade of “C” or better or department approval. This course focuses on typical neurological conditions treated in physical therapy including adult and pediatric conditions. Three lecture and six laboratory hours per week.

PHTA 220  FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT VI  4 HRS. (OC)
Prerequisite: PHTA 218 and 230 with a grade of “C” or better or department approval. This course is the culmination of academic preparation in therapeutic procedures and includes treatment for selected geriatric, cardiovascular, respiratory, circulatory and neuromuscular conditions as well as amputations, prosthetics, and burn care. Two lecture and six laboratory hours per week.

PHTA 222  CLINICAL SEMINAR  2 HRS. (OC)
Prerequisite: PHTA 218 and 230 with a grade of “C” or better or department approval. This course incorporates an overview of the organization and administration of a physical therapy service and identifies the role of the assistant in various aspects of physical therapy practice as well as designated aspects of legal and ethical aspects of physical therapy practice and preparation of entry into the work force. It also provides a forum for student discussion and exchange of clinical experiences and student presentations of case studies and physical therapy topics. Two lecture hours per week.

PHTA 230  CLINICAL II  2 HRS. (OC)
Prerequisite: PHTA 118, 130, and 216 with a grade of “C” or better or department approval. This course is a continuation of PHTA 130 including supervised clinical practice in a physical therapy department. Students perform physical therapy interventions with additional exposure to adult orthopedic and neurological conditions. The students will develop critical thinking skills to advance patient care interventions. Sixteen hours of clinical practice per week.

PHTA 232  CLINICAL III  4 HRS. (OC)
Prerequisite: PHTA 218 and 230 with a grade of “C” or better or department approval. This course includes two full-time, four-week supervised clinical experiences and is a continuation of PHTA 230. The student is given opportunities to practice more advanced physical therapy interventions in a variety of practice settings such as geriatric, pediatrics, or adult rehabilitation. The student has an opportunity to participate as a full-time member of the health care team. Thirty-six hours of clinical practice per week.
Physical Education

PHYED 110 BASKETBALL 1 HR. (TC)
Prerequisite: None. 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. Two activity hours per week or equivalent.

PHYED 112 SPORTS ACTIVITIES AND FITNESS 1 HR. (TC)
Prerequisite: None. Participation is in various activities designed to promote physical fitness. Activities include volleyball, badminton, and other conditioning activities and games. Two activity hours per week or equivalent.

PHYED 114 VOLLEYBALL 1 HR. (TC)
Prerequisite: None. This course stresses individual volleyball skills in passing, setting up, serving, blocking and spiking. Basic concepts of offensive and defensive team play are introduced. Two activity hours per week or equivalent.

PHYED 116 INTRODUCTION TO RECREATION 2 HRS. (TC)
Prerequisite: None. 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. Two lecture hours per week.

PHYED 118 SOFTBALL 1 HR. (TC)
Prerequisite: None. 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. Two activity hours per week or the equivalent.

PHYED 119 ADVANCED SOFTBALL 1 HR. (TC)
Prerequisite: PHYED 118. 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. Two activity hours per week or equivalent.

PHYED 120 BOWLING 1 HR. (TC)
Prerequisite: None. This course gives instruction in footwork and the fundamental movements in delivery. Rules, terminology, scoring and etiquette are also covered. Two activity hours per week or equivalent.

PHYED 122 ADVANCED BASKETBALL 1 HR. (TC)
Prerequisite: PHYED 110. This course includes basic fundamental skills but emphasizes defensive play, rebounding and teamwork. Two activity hours per week or equivalent.

PHYED 123 ADVANCED BOWLING 1 HR. (TC)
Prerequisite: PHYED 120. 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. One lecture and two laboratory hours per week.

PHYED 124 ADVANCED VOLLEYBALL 1 HR. (TC)
Prerequisite: PHYED 114. This course is a review of skills in passing, setting, serving, blocking and spiking. Concepts of offense and defense in game situations are introduced. Two activity hours per week or equivalent.

PHYED 125 BEGINNING FENCING 1 HR. (TC)
Prerequisite: None. This course is an introduction that will emphasize 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. Two activity hours per week.

PHYED 126 BASEBALL 1 HR. (TC)
Prerequisite: None. This course stresses individual skills in hitting, base running, fielding, pitching, catching, and position skills. Team offensive and defensive concepts are included. Two activity hours per week.

PHYED 127 ADVANCED BASEBALL 1 HR. (TC)
Prerequisite: PHYED 126. 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. Two activity hours per week.

PHYED 128 DISTANCE RUNNING 1 HR. (TC)
Prerequisite: None. 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. Two activity hours per week or equivalent.

PHYED 129 ADVANCED DISTANCE RUNNING 1 HR. (TC)
Prerequisite: PHYED 128. In this course, different types of training for the distance runner will be stressed. 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. Two activity hours per week or equivalent.

PHYED 130 GOLF 1 HR. (TC)
Prerequisite: None. This course stresses the techniques of driving, fairway shots, pitching and putting. The student is introduced to general rules and match stroke play. Two activity hours per week or equivalent.

PHYED 131 ADVANCED GOLF 1 HR. (TC)
Prerequisite: PHYED 130 or department approval. This course stresses the basic techniques of driving, fairway shots, pitching and putting. The class receives instruction on shot selection that would be utilized in actual competition. Two activity hours per week or equivalent.

PHYED 135 ARCHERY 1 HR. (TC)
Prerequisite: None. Instruction is given in equipment selection, safety, scoring, and shooting techniques. Students also participate in tournaments in target archery and novelty events. Two activity hours per week or equivalent.

PHYED 136 FOUNDATIONS OF HUMAN MOVEMENT 3 HRS. (TC)
Prerequisite: None. 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. Three lecture hours per week.

PHYED 138 LACROSSE: HISTORY AND BASIC SKILLS 1 HR. (TC)
Prerequisite: None. 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. Two activity hours per week or equivalent.
PHYED 140 PHYSICAL CONDITIONING 1 HR. (TC)
Prerequisite: None. This course involves utilization of calisthenics, weight training and aerobic activities to promote physical fitness. Two activity hours per week or equivalent.

PHYED 141 FIGURE FITNESS FOR WOMEN 1 HR. (TC)
Prerequisite: None. This course incudes concepts and application of exercise and nutrition toward total fitness. Two activity hours per week or equivalent.

PHYED 142 PERSONAL DEVELOPMENT AND WEIGHT CONTROL 1 HR. (TC)
Prerequisite: None. This course is a planned program of fitness, exercise, nutrition, diet, relaxation, posture, and sports activity for the personal development of each individual. Two activity hours per week or equivalent.

PHYED 143 SELF DEFENSE 1 HR. (TC)
Prerequisite: None. This course introduces self defense in the practical form, as used in possible street confrontations. Two activity hours per week or equivalent.

PHYED 145 ADVANCED PHYSICAL CONDITIONING 1 HR. (TC)
Prerequisite: PHYED 140. This course involves the utilization of calisthenics, weight training and aerobic activities to promote physical fitness. Two activity hours per week or equivalent.

PHYED 146 GYMNASTICS 1 HR. (TC)
Prerequisite: None. Instruction in the fundamental skills on selected apparatus such as the trampoline, mats balance beam and on uneven parallel bars is included in gymnastics. Two activity hours per week or equivalent.

PHYED 147 TAI CHI 1 HR. (TC)
Prerequisite: None. The student is introduced to the basics of Chen style Tai Chi. Two activity hours per week or equivalent.

PHYED 149 WEIGHT TRAINING 1 HR. (TC)
Prerequisite: None. This course emphasizes concepts and application of Nautilus, or a similar type of equipment, and/or free weights to promote strength and physical fitness. Two activity hours per week or equivalent.

PHYED 150 BEGINNING SWIMMING 1 HR. (TC)
Prerequisite: None. This course is open to non-swimmers and low beginners. Instruction is given in the fundamental skills of floating, treading water, bobbing, elementary crawl strokes and the elementary backstroke. Two activity hours per week or equivalent.

PHYED 152 INTERMEDIATE SWIMMING 1 HR. (TC)
Prerequisite: PHYED 150 or department approval. This course provides instruction on the front and back crawl, elementary backstroke, side stroke and breast stroke for improved efficiency. Diving and rescue skills are also included. Two activity hours per week.

PHYED 153 LIFEGUARD TRAINING 1 HR. (TC)
Prerequisite: PHYED 152 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. Two activity hours per week or equivalent.

PHYED 156 SCUBA DIVING 1 HR. (TC)
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. Two activity hours per week.

PHYED 157 ADVANCED SCUBA DIVING 1 HR. (TC)
Prerequisite: PHYED 156. This class 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. One-half lecture and two laboratory hours per week.

PHYED 160 TENNIS 1 HR. (TC)
Prerequisite: None. 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. Two activity hours per week or equivalent.

PHYED 161 ADVANCED TENNIS 1 HR. (TC)
Prerequisite: PHYED 160 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. Two activity hours per week or equivalent.

PHYED 162 ADVANCED WEIGHT TRAINING 1 HR. (TC)
Prerequisite: PHYED 149. 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. Two activity hours per week or equivalent.

PHYED 166 WELLNESS/GOLF 1 HR. (TC)
Prerequisite: None. 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. Two activity hours per week or equivalent.

PHYED 167 SELF DEFENSE 1 HR. (TC)
Prerequisite: None. Students will be instructed in basic techniques to develop personal wellness and fitness, in addition to fundamentals in singles and doubles tennis. Two activity hours per week.

PHYED 168 AEROBICS 1 HR. (TC)
Prerequisite: None. 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. Two activity hours per week.

PHYED 169 ADVANCED AEROBICS 1 HR. (TC)
Prerequisite: PHYED 168. 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. Two laboratory hours per week.

PHYED 171 SOCIAL DANCE 1 HRS. (TC)
Prerequisite: None. 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. Two activity hours per week.

PHYED 172 FOLK DANCE 1 HRS. (TC)
Prerequisite: None. Instruction is given in the folk dances of various countries and cultures. Two activity hours per week.

PHYED 174 SQUARE DANCE 1 HRS. (TC)
Prerequisite: None. This course gives instruction in square dance as an activity in the social setting as danced today throughout the United States. Two activity hours per week.

PHYED 175 PRINCIPLES OF TRAINING 3 HRS. (TC)
Prerequisite: None. 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. Two lecture and two laboratory hours per week or equivalent.
PHYED 176  EXERCISE TESTING, PRESCRIPTION AND DESIGN
Prerequisite: None. 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. Three lecture and one laboratory hours per week or equivalent.

PHYED 180  AEROBIC SUPER CIRCUIT FITNESS 1 HR. (TC)
Prerequisite: None. This course will introduce the student to an exercise program built around a multi-station aerobic super circuit utilizing weights with multiple repetitions. Two activity hours per week or equivalent.

PHYED 181  AEROBIC SUPER CIRCUIT FITNESS 1 HR. (TC)
Prerequisite: PHYED 180. This course is a continuation of PHYED 180 and is designed to further the student’s understanding of the aerobic concept of fitness. Two activity hours per week or equivalent.

PHYED 182  AEROBIC SUPER CIRCUIT FITNESS 1 HR. (TC)
Prerequisite: PHYED 180 and 181. 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. Two activity hours per week or equivalent.

PHYED 183  AEROBIC SUPER CIRCUIT FITNESS 1 HR. (TC)
Prerequisite: PHYED 180, 181 and 182. 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. Two activity hours per week or equivalent.

PHYED 190  SOCCER 1 HR. (TC)
Prerequisite: None. 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. Two and one-half laboratory hours per week.

PHYED 191  ADVANCED SOCCER 1 HR. (TC)
Prerequisite: PHYED 190. This course is designed to further the students’ knowledge of the game of soccer. High-level skills will be taught to the advanced student. Two and one-half laboratory hours per week.

PHYED 200  OFFICIATING OF WOMEN’S SPORT 1 HR. (TC)
Prerequisite: None. Instruction is provided in officiating techniques for women’s sports as designated by the NAGWS in basketball and volleyball. One lecture hour per week.

PHYED 203  OFFICIATING OF MEN’S SPORTS 1 HR. (TC)
Prerequisite: None. This course provides instruction in officiating techniques for men’s sports as designated by the IHSA in football, softball, basketball, baseball and wrestling. Two activity hours per week or equivalent.

PHYED 205  FITNESS AND WELLNESS 2 HRS. (TC)
Prerequisite: None. This course covers basic fitness and wellness information, aiding the student in making lifestyle choices that can lead to increased health and wellness. Two lecture hours per week or equivalent.

PHYED 210  SPORT PSYCHOLOGY 3 HRS. (TC)
Prerequisite: PSY 110 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. Three lecture hours per week.

PHYED 236  SCIENTIFIC BASIS OF HUMAN MOVEMENT 3 HRS. (TC)
Prerequisite: PHYED 136 or consent of instructor. 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. Two lecture and one laboratory hour per week.

PHYED 276  PERSONAL TRAINING FIELD EXPERIENCE 3 HRS. (TC)
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. Six laboratory hour per week.

PHYED 277  PHYSICAL EDUCATION TOPICS 1 HR. (TC)
Prerequisite: None. In this course, student will learn about specifics topics that pertain to physical education, personal training, and sports management. Such topics could include special population education and training, traditional and new methods of training, management of facilities, and marketing techniques. One lecture hour per week.

The following courses are not currently being taught:

PHYED 010  ADULT DRIVER EDUCATION 2 HRS. (GSC)
PHYED 011  DEFENSIVE DRIVING .5 HR. (GSC)
PHYED 111  RACQUETBALL 1 HR. (TC)
PHYED 113  BADMINTON 1 HR. (TC)
PHYED 121  ADVANCED RACQUETBALL 1 HR. (TC)
PHYED 117  TRAP, SKEET AND RELOADING 1 HR. (TC)
PHYED 154  WATER SAFETY INSTRUCTOR 1 HR. (TC)
PHYED 170  MODERN DANCE 1 HR. (TC)
PHYED 201  OFFICIATING OF WOMEN’S SPORT 1 HR. (TC)

Physics

PHYS 104  PRE-TECHNICAL PHYSICS 4 HRS. (OC)
Prerequisite: MAT 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. Three lecture and three laboratory hours per week.

PHYS 110  FOUNDATIONS OF PHYSICS 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, 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. Designed for students in some of the applied science programs, as a general education course for students in the non-science transfer programs, and as a foundations course for students strengthening their science background before enrolling in one of the regular physics sequences. Three lecture and two laboratory hours per week.  P1 901L

PHYS 112  TECHNICAL PHYSICS I 4 HRS. (TC)
Prerequisite: MATH 130 with a grade of “C” or better 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. Three lecture and three laboratory hours per week.
PHYS 113  TECHNICAL PHYSICS II  4 HRS. (TC)
Prerequisite: PHYS 112. 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). Three lecture and three laboratory hours per week.

PHYS 120  GENERAL PHYSICS  5 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval 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. Four lecture and three laboratory hours per week.  P1 900L

PHYS 121  GENERAL PHYSICS  5 HRS. (TC)
Prerequisite: PHYS 120. This course is a continuation of PHYS 120. The course includes: the study of electricity, magnetism, wave motion, light and modern physics. Four lecture and three laboratory hours per week.

PHYS 211  ENGINEERING PHYSICS: MECHANICS  4 HRS. (TC)
Prerequisite: PHYS 110 or high school physics, MATH 222, 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. Three lecture, three laboratory and one voluntary discussion hour per week.

PHYS 212  ENGINEERING PHYSICS: ELECTRICITY  4 HRS. (TC)
Prerequisite: PHYS 211, MATH 223, and credit 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. Three lecture, three laboratory and one voluntary discussion hour per week.  PHY 912

PHYS 213  ENGINEERING PHYSICS: THERMODYNAMICS  2 HRS. (TC)
Prerequisite: PHYS 212, MATH 223, and credit or concurrent enrollment in 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. One and one-half hour lecture, one and one-half hour laboratory and one-half hour voluntary discussion per week.  EGR 913 & PHY 913

PHYS 214  ENGINEERING PHYSICS: MODERN PHYSICS  2 HRS. (TC)
Prerequisite: PHYS 213; credit or concurrent enrollment in MATH 250. This course is a continuation of PHYS 213, this course is 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. One and a half hour lecture and one and a half hour laboratory and one half hour voluntary discussion hour per week.

Physical Science

PHYS 090  INTRODUCTION TO SCIENTIFIC LITERACY  3 HRS. (BEC)
Prerequisite: None. 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. Two lecture and two laboratory hours per week.  (Formerly PHYSC 100)

PHYS 110  ENERGY AND ENVIRONMENT  4 HRS. (TC)
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. Three lecture and two laboratory hours per week.  P9 900L

PHYS 114  INTRODUCTION TO ASTRONOMY  4 HRS. (TC)
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 Planetarium and Observatory.  P1 900L

Political Science

POLSC 101  STATE AND NATIONAL CONSTITUTIONS  1 HR. (ASE)
Prerequisite: None. This course is designed to prepare students for the examination on the Constitution of Illinois and of the United States, the Declaration of Independence, the Flag and the Australian ballot system, as required by Illinois state law. Repeatable up to a maximum of three times. One lecture hour per week or equivalent.

POLSC 115  AMERICAN NATIONAL GOVERNMENT  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course presents contemporary American political behavior, government and power relationships at the national level. Three lecture hours per week.  S5 900

POLSC 119  STATE AND LOCAL GOVERNMENT  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week or equivalent.  S5 902

POLSC 120  POLITICAL METHODS AND CONCEPTS  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week.  S5 903
Paralegal

PRLL 110  INTRODUCTION TO PARALEGAL  3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

PRLL 112  LEGAL RESEARCH I  3 HRS. (OC)
Prerequisite: PRLL 110 with a grade of “C” or better or department approval. This course-oriented 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. Three lecture hours per week.

PRLL 113  LEGAL RESEARCH II  3 HRS. (OC)
Prerequisite: PRLL 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. Three lecture hours per week.

PRLL 114  FAMILY LAW  3 HRS. (OC)
Prerequisite: PRLL 110 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. Three lecture hours per week.

PRLL 115  WILLS, TRUSTS AND ESTATE ADMINISTRATION  3 HRS. (OC)
Prerequisite: PRLL 110 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. Three lecture hours per week.

PRLL 116  CIVIL LITIGATION  3 HRS. (OC)
Prerequisite: PRLL 110 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. Three lecture hours per week.

PRLL 117  ADMINISTRATIVE LAW  3 HRS. (OC)
Prerequisite: PRLL 110 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. Three lecture hours per week.

PRLL 118  LAW OFFICE MANAGEMENT  3 HRS. (OC)
Prerequisite: PRLL 110 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, document management and developments in computer based legal research and document movement. Three lecture hours per week.

PRLL 120  MEDICAL TERMINOLOGY FOR PARALEGALS  3 HRS. (OC)
Prerequisite: Department approval. This 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. Paralegals can take this course as an elective; paralegals can take this course as part of their continuing legal education. Three lecture hours per week or equivalent.

PRLL 121  PARALEGAL ETHICS AND PROFESSIONAL RESPONSIBILITIES  3 HRS. (OC)
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. Three lecture hours per week or equivalent.

PRLL 141  CURRENT LAW TOPICS  1 HR. (OC)
Prerequisite: PRLL 110 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 with the semester. Repeatable up to a maximum of three semester hours of credit. One lecture hour per week.

PRLL 159  PARALEGAL PRE-INTERNSHIP  1 HR. (OC)
Prerequisite: Twelve credit hours of PRLL 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 PRLL 260. One lecture hour per week.

PRLL 215  BUSINESS ORGANIZATION AND PRACTICE  3 HRS. (OC)
Prerequisite: PRLL 110 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. Three lecture hours per week.

PRNRS 110 PRACTICAL NURSING I 8 HR. (OC)
Prerequisite: Acceptance to the Practical Nursing curriculum and concurrently enrolled in PRNRS 114, BIOL 140, 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 diagnoses, identifying measurable patient outcomes, developing nursing interventions with focus on Maslow’s Hierarchy of Needs. Four lecture and twelve laboratory hours per week.

PRNRS 111 PRACTICAL NURSING II 11 HRS. (OC)
Prerequisite: PRNRS 110, 114, and MATH 150 with a grade of “C” or better. This course builds upon the concepts introduced in Practical Nursing I and utilizes the nursing process in dealing with more complex health care problems. Supervised clinical experience with adults in hospitals and other community agencies is included. Six lecture and fifteen laboratory hours per week or equivalent.

PRNRS 112 PRACTICAL NURSING III 5 HRS. (OC)
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. Three lecture and six laboratory hours per week or equivalent.

PRNRS 114 PHARMACOLOGY FOR PRACTICAL NURSING 2 HRS. (OC)
Prerequisite: Concurrently enrolled in PRNRS 110 or department approval. This course provides an introduction to pharmacology for practical nurse students. Terminology, classification, administration, and mathematical concepts are emphasized along with the nursing responsibilities related to medication administration. Two lecture hours per week.

PRNRS 175 NURSE REFRESHER COURSE FOR LICENSED PRACTICAL NURSE 3 HRS. (VSC)
Prerequisite: An active professional nursing license from the state of Illinois, an inactive nursing license for less than five years, or referral from restoration process set forth by Illinois Department of Financial and Professional Regulation. This course focuses on the study of utilizing the nursing process as a framework to update the nurse’s theoretical nursing knowledge and clinical skills, according to standards established by the Illinois Department of Financial and Professional Regulation for the licensed practical nurse. Two lecture and four laboratory hours per week or equivalent.

Psychology

PSY 110 INTRODUCTION TO PSYCHOLOGY 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. Psychology is the scientific study of behavior and mental processes. The student will be introduced 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. Three lecture hours per week or equivalent. S6 900

PSY 112 PERSONALITY 3 HRS. (TC)
Prerequisite: PSY 110. 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. Three lecture hours per week.

PSY 115 PSYCHOLOGY OF GENDER DIFFERENCES 3 HRS. (TC)
Prerequisite: PSY 110. 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. Three lecture hours per week.

PSY 116 HUMAN POTENTIAL 1 HR. (TC)
Prerequisite: None. 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. One lecture hour per week.

PSY 117 CONFLICT RESOLUTION – LIFESTYLE PLANNING 1 HR. (TC)
Prerequisite: PSY 116. 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. Usually taught in eight two-hour sessions. One lecture hour per week.

PSY 118 HUMAN SEXUALITY 3 HRS. (TC)
Prerequisite: PSY 110 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. Three lecture hours per week.

PSY 127 CRISIS MANAGEMENT 3 HRS. (OC)
Prerequisite: None. This course emphasizes the identification and resolution of personal and professional conflicts. Cultural issues are considered. Three lecture hours per week for sixteen weeks.

PSY 200 EDUCATIONAL PSYCHOLOGY 3 HRS. (TC)
Prerequisite: PSY 110 with a grade of “C” or better, EDUC 111 with a grade of “C” or better, or department approval. This course emphasizes the application of psychological principles and knowledge to the learning process in an educational setting. The course’s objectives are aligned with the Illinois Professional Teaching Standards. Three lecture hours per week.

PSY 202 CHILD AND ADOLESCENT DEVELOPMENT 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval or PSY 110. This course is a review of research in developmental psychology regarding the physical, perceptual, cognitive, and social development of children and adolescents. Three lecture hours per week. S6 903
PSY 210  HUMAN SOCIAL BEHAVIOR  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval or PSY 110 or SOC 110. 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. Three lecture hours per week. S8 900

PSY 215  THE DYNAMICS OF ORGANIZATIONAL BEHAVIOR  3 HRS. (TC)
Prerequisite: PSY 110. 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. Two 75-minute classes per week.

PSY 220  ADULTHOOD AND AGING  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval 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. Three lecture hours per week. S6 905

PSY 225  ABNORMAL PSYCHOLOGY  3 HRS. (TC)
Prerequisite: PSY 110. This course emphasizes the identification and treatment of psychological disorders. Practical applications of the information will be stressed. Three hours per week for sixteen weeks or equivalent.

PSY 250  INTRODUCTION TO RESEARCH METHODS IN THE BEHAVIORAL SCIENCES  3 HRS. (TC)
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. Three lecture hours per week.

Radiography

RADTK 100  EXPOSURE TO RADIOGRAPHY  1 HR. (OC)
Prerequisite: None. 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. One half lecture hour per week.

RADTK 110  FUNDAMENTALS OF RADIOGRAPHY I  6 HRS. (OC)
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 radiography of the chest, abdomen, GI tract, upper extremity, and lower extremity are also presented, with emphasis on positioning and image analysis. Six lecture hours per week.

RADTK 112  FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE I  1 HR. (OC)
Prerequisite: Concurrent enrollment in RADTK 110. This course provides participation in supervised clinical experience in a hospital medical imaging department. Eight laboratory hours per week or equivalent.

RADTK 120  FUNDAMENTALS OF RADIOGRAPHY II  6 HRS. (OC)
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 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. Content also establishes a knowledge base in radiographic, fluoroscopic, and mobile equipment requirements and design, and associated quality management criteria. Six lecture hours per week.

RADTK 121  FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE II  3 HRS. (OC)
Prerequisite: Concurrent enrollment in RADTK 120. This course provides participation in supervised clinical experience in a hospital medical imaging department. Twenty-four laboratory hours per week.

RADTK 150  BASIC PRINCIPLES OF COMPUTED TOMOGRAPHY  1 HR. (OC)
Prerequisite: Concurrent enrollment in RADTK 200. This course provides entry-level radiography students with principles related to computed tomography (CT) imaging. One lecture hour per week.

RADTK 200  RADIOGRAPHY I  3 HRS. (OC)
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. This course also provides a fundamental background in ethics and introduction to legal principles and professional standards. Three lecture hours per week or equivalent.

RADTK 201  FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE III  4 HRS. (OC)
Prerequisite: Concurrent enrollment in RADTK 200. This course provides participation in supervised clinical experience in a hospital medical imaging department. Fourteen laboratory hours per week or equivalent.

RADTK 210  RADIOGRAPHY II  6 HRS. (OC)
Prerequisite: RADTK 150 and 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 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. Six lecture hours per week.

RADTK 211  RADIOGRAPHY, DIRECTED PRACTICE III  4 HRS. (OC)
Prerequisite: Concurrent enrollment in RADTK 210. This course provides participation in supervised clinical experience in a hospital medical imaging department. Twenty-eight laboratory hours per week.

RADTK 220  RADIOGRAPHY III  6 HRS. (OC)
Prerequisite: RADTK 210 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. Pathology and diseases related to medical imaging procedures are also discussed. Factors governing the film imaging production process are also presented. Six lecture hours per week.
Refrigeration and Air Conditioning

REACT 110 REFRIGERATION I 4 HRS. (OC)
Prerequisite: None. This course studies the fundamentals of the refrigeration system. Emphasis is on operation of the compressor condenser, expansion valve, wiring diagram symbols, electric meters, alternating current fundamentals and single-phase motor theory. Three lecture and three laboratory hours per week.

REACT 111 AIR CONDITIONING SYSTEMS I 3 HRS. (OC)
Prerequisite: None. This course includes an introduction to psychrometric charts, air flow and air distribution, heat load - heat gain calculation, the selection and sizing of equipment piping and ducts. Three lecture hours per week.

REACT 112 REFRIGERATION II 4 HRS. (OC)
Prerequisite: REACT 110. This course studies basic cycle controls, refrigerant characteristics, piping, installation procedures and accessories. Three lecture and three laboratory hours per week.

REACT 113 AIR CONDITIONING SYSTEMS II 3 HRS. (OC)
Prerequisite: REACT 111. This course studies factors which affect heat loss, heat gain of structures, duct sizing and the procedures used in calculating heat loss/heat gain of a residence. Three lecture hours per week.

REACT 118 ELECTRICITY AS IT APPLIES TO HVAC/R 4 HRS. (OC)
Prerequisite: None. In this course, the student will learn the principles of electricity as it applies to air conditioning and refrigeration. Three lecture and three laboratory hours per week.

REACT 119 SHEETMETAL FOR HVAC/R 4 HRS. (OC)
Prerequisite: None. In this course the student will learn the principles of sheetmetal as it applies to air conditioning and refrigeration. Three lecture hour and three laboratory hours per week.

REACT 120 FURNACES AND HEAT PUMPS I 4 HRS. (OC)
Prerequisite: REACT 112. This course develops the skills needed to understand wiring diagrams for furnaces and heat pumps. Three lecture and three laboratory hours per week.

Refrigeration and Ice Machines

REACT 121 FURNACES AND HEAT PUMPS II 4 HRS. (OC)
Prerequisite: REACT 120. This course develops the skills needed for hands-on experience in repairing heat pumps and high-efficiency furnaces. Three lecture and three laboratory hours per week.

REACT 130 COMMERCIAL REFRIGERATION AND ICE MACHINES I 4 HRS. (OC)
Prerequisite: REACT 112. This course includes the study of equipment needed in the medium and low temperature range. Special attention is given to sizing systems, metering devices, controls, electrical schematics and troubleshooting. Three lecture and three laboratory hours per week.

REACT 131 COMMERCIAL REFRIGERATION AND ICE MACHINES II 4 HRS. (OC)
Prerequisite: REACT 130. This course covers electrical installation diagrams and electrical wiring diagrams. An emphasis is placed on the use and reading of schematics of major ice machines, reach-in, walk-in coolers and walk-in freezers. Three lecture and three laboratory hours per week.

Reading and Study Skills

READ 110 SPEED READING 1 HR. (TC)
Prerequisite: Appropriate score on reading placement test or department approval. This course is designed for students who have normal college reading levels, but wish to increase speed and comprehension. It will provide students with flexible rates which can be adapted to whatever is being read - textbooks, business material, or fiction and nonfiction for pleasure. Two laboratory hours per week or equivalent.

READ 115 COLLEGE READING AND STUDY SKILLS 2 HRS. (TC)
Prerequisite: Appropriate score on reading placement test or department approval. This is a course designed to develop various reading and study skills demanded in college classes. Emphasis will be given to the development of flexibility of reading rate, improvement of critical reading techniques, skimming and scanning, and study skill techniques. Specific study skills such as textbook reading, note taking, time management, and test taking will be presented and practiced. One lecture hour and two laboratory hours per week or equivalent.
Respiratory Care

RESP 076  CURRENT CONCEPTS IN RESPIRATORY CARE  1 HR. (OC)
Prerequisite: CRT or RRT credential from the National Board for Respiratory Care or department approval. This course is designed to update knowledge in patient assessment, patient care skills, and new equipment. This course is repeatable three times for license renewal. Fourteen lecture and ten laboratory hours in four days or equivalent.

RESP 110  INTRODUCTION TO RESPIRATORY CARE  1 HR. (OC)
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. One-half lecture and one and one-half laboratory hours per week.

RESP 112  FUNDAMENTALS OF RESPIRATORY CARE I  4 HRS. (OC)
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. Three lecture and three laboratory hours per week or equivalent.

RESP 115  RESPIRATORY CARE PRACTICUM I  3 HRS. (OC)
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.

RESP 121  FUNDAMENTALS OF RESPIRATORY CARE I  5 HRS. (OC)
Prerequisite: RESP 110, 112, 115, and 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. Four lecture and three laboratory hours per week or equivalent.

RESP 122  CARDIOPULMONARY ANATOMY AND PHYSIOLOGY  2 HRS. (OC)
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. Two lecture hours per week or equivalent.

RESP 123  PHARMACOLOGY FOR RESPIRATORY CARE  2 HRS. (OC)
Prerequisite: RESP 110, 112, 115, and 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. Two lecture hours per week or equivalent.

RESP 125  RESPIRATORY CARE PRACTICUM II  3 HRS. (OC)
Prerequisite: RESP 110, 112, 115, and 122 with a grade of “C” or better. This course is a continuation of RESP 115 including supervised experience in the administration of respiratory care. Sixteen laboratory hours per week or equivalent.

RESP 127  CARDIOPULMONARY DISEASES  3 HRS. (OC)
Prerequisite: RESP 110, 112, 115, and 122 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. Two lecture and two laboratory hours per week or equivalent.
Real Estate

RLST 135  REAL ESTATE TRANSACTIONS  3 HRS. (OC)
Prerequisite: None. This course discusses the real estate market and the economic and social impact of real estate; along with property rights, ownership, financing, brokerage, and property evaluation. This course meets the classroom hour requirement for the State of Illinois course requirement for state and federal hours/Real Estate Transaction in prepara-
tions for the Broker Pre-License course. Three lecture hours per week.

RLST 150  REAL ESTATE MANAGEMENT  1 HR. (OC)
Prerequisite: RLST 135. This course is designed to assist students in applying real estate knowledge to real life situations. It offers scenarios whereby students will participate and evaluate responses in the areas of dispute resolution, supervision, escrow accounts, and discipline as they pertain to practice of real estate brokerage. One lecture hour per week.

RLST 151  APPLIED REAL ESTATE PRACTICES  1 HR. (OC)
Prerequisite: RLST 231. This course is designed to assist students in applying real estate principles. It offers scenarios whereby students will participate and evaluate responses in the areas of listing, buyer representation, designated agency, minimum services, short sales, foreclosures, internet advertising, social media, and risk management as they pertain to the practice of real estate brokerage. One lecture hour per week.

RLST 152  APPLIED REAL ESTATE MANAGEMENT  1 HR. (OC)
Prerequisite: RLST 233. This course is designed to assist students in applying management and supervision functions as it relates to a managing broker. One lecture hour per week.

RLST 230  REAL ESTATE LAW, REAL PROPERTY  3 HRS. (OC)
Prerequisite: None. This course is designed to provide a practical understanding of law as it applies to ownership and use of real property. Also included is the legal aspect of buyer/seller relationships and the structure of agency. Laws unique to Illinois are emphasized. Three lecture hours per week.

RLST 231  REAL ESTATE LICENSE LAW, AGENCY, AND TRANSACTIONS  1 HR. (OC)
Prerequisite: RLST 135. This course is designed to provide a practical understanding of real estate agency and transactions as well as a review of the real estate license law. One lecture hour per week.

RLST 233  REAL ESTATE OPERATIONS, ESCROW, AND MANAGEMENT  3 HRS. (OC)
Prerequisite: RLST 231. This course is designed to provide instruction for real estate managing brokers. It covers licensing and operations, managing licenses, and the laws and issues that relate to risk management. Three lecture hours per week.

RLST 236  RESIDENTIAL APPRAISING  3 HRS. (OC)
Prerequisite: None. This course is designed to acquaint the student with principles and methods of appraising residential property. Interpretation of appraisal information is emphasized. This course meets the 15-hour classroom elective requirement for the real estate broker’s examination. The course is also developed in accordance to the criteria of the Appraiser Qualifications Board of the Appraisal Foundation and is part of the pre-license education of Illinois real estate appraisers. The course meets the 30-hour classroom requirement for the “Basic Appraisal Principles” course, also known as IL1-08. Three lecture hours per week.

RLST 238  RESIDENTIAL APPRAISING PROCEDURES  2 HRS. (OC)
Prerequisite: RLST 236 or concurrent enrollment. This course is designed to provide an understanding and working knowledge of the procedures and techniques required in the development of an opinion of market value of residential properties. Emphasis will be placed on the extraction and analysis of data and the application of the three valuation approaches.

The course is developed in accordance to the criteria of the Appraiser Qualifications Board of the Appraisal Foundation and is part of the pre-license education of Illinois real estate appraisers. The course meets the 30-hour classroom requirement for the “Basic Appraisal Procedures” course, also known as IL2-08. Two lecture hours per week.

RLST 239  UNIFORM STANDARDS OF PROFESSIONAL APPRAISAL PRACTICE  1 HR. (OC)
Prerequisite: RLST 236 or concurrent enrollment. This course covers a detailed analysis and study of the Uniform Standards of Professional Appraisal Practice. The course meets the 15 classroom hour requirement for the USPAP course. The course is a National USPAP course as set forth by the Appraisers Qualification Board of Appraisal Foundation. One lecture hour per week.

RLST 260  REAL ESTATE INTERNSHIP  3 HRS. (OC)
Prerequisite: Admission to the Real Estate Program curriculum or approval of the Real Estate Program Coordinator. 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. This course may be repeated two times. Fifteen field experience hours (minimum) and one seminar per week.

Registered Nursing

RNRS 110  NURSING I  6 HRS. (OC)
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, and developing nursing interventions with focus on the physiological mode. Four lecture and six laboratory hours per week.

RNRS 111  PHARMACOLOGY FOR NURSES  2 HRS. (OC)
Prerequisite: Concurrently enrolled in RNRS 110 or 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. Two lecture hours per week or equivalent.

RNRS 120  NURSING II  6 HRS. (OC)
Prerequisite: RNRS 110, 210, and RNRS 150 with a grade of “C” or better and concurrently enrolled in RNRS 111. 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. Four lecture and six laboratory hours per week.

RNRS 125  NURSING: LPN to RN TRANSITION  2 HRS. (OC)
Prerequisite: Graduate from a state-approved Practical Nursing Program within the last five years or achieve minimal competency on the National League for Nursing’s Nursing Acceleration Challenge Exam (NACE) – PN to RN; valid Illinois Licensed Practical Nurse (LPN) license; currently employed or has practiced nursing for a minimum of 12 months within the last three years or department approval; CPR certified; one year of high school chemistry, or equivalent, or completion of CHEM 115 with grade of “C” or better, within the last five years; must have completed required program and general education courses of BIOL 205, 206, and 210, RNRS 150, 111, and 210 with a grade of “C” or better, within the last five years; must have completed required program and general education
courses of PSY 110, SOC 110, FCS 110, ENGL 110 and 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. One lecture and three laboratory hours per week.

RNRS 150 PRINCIPLES OF SAFE MEDICATION 1 HR. (OC)
Prerequisite: Enrollment in nursing program or department approval. One year of high school algebra or MAT 094 with a grade of “C” or better or math placement into MAT 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 the use of syringes to administer medications safely. One lecture and one-half laboratory hours per week.

RNRS 175 NURSE REFRESHER COURSE 5 HRS. (VSC)
FOR REGISTERED NURSE
Prerequisite: An active professional nursing license from the state of Illinois, an inactive nursing license for less than five years, or referral from restoration process set forth by Illinois Department of Financial and Professional Regulation. This course focuses on the study of utilizing the nursing process as a framework to update the nurse’s theoretical nursing knowledge and clinical skills, according to standards established by the Illinois Department of Financial and Professional Regulation for the registered nurse. Three lecture and six laboratory hours per week or equivalent.

RNRS 180 INTRAVENOUS THERAPY 1 HR. (OC)
Prerequisite: Licensed Practical Nurse, Registered Nurse or department approval. This course is designed to provide the student with the knowledge and skill to perform selected tasks in intravenous therapy in stabilized patients under the supervision of a registered nurse, physician, or dentist as advised by the Illinois Nurse Practice Act. One lecture and one-half laboratory hours per week or equivalent.

RNRS 200 NURSING INTERNSHIP 4 HRS (OC)
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. One lecture and eight laboratory hours per week.

RNRS 210 HEALTH ASSESSMENT 2 HRS. (OC)
OF 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 health 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. Two lecture hours and one laboratory hour per week.

RNRS 220 NURSING III 10 HR. (OC)
Prerequisite: RNRS 111 and 120 with a grade of “C” or better; and concurrently enrolled in BIOL 146 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 health problems and complex health problems. Six lecture and twelve laboratory hours per week or equivalent.

RNRS 221 NURSING IV 10 HR. (OC)
Prerequisite: RNRS 220 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. Five lecture and fifteen laboratory hours per week or equivalent.

RNRS 222 NURSING MANAGEMENT AND LEADERSHIP 2 HRS. (OC)
Prerequisite: RNRS 220 with a grade of “C” or better and concurrently enrolled in RNRS 221. This course is designed to facilitate the transition from the role of student to the role of graduate through knowledge of current trends and issues in nursing and the forces which continue to shape the profession. Two lecture hours per week.

RNRS 255 INDEPENDENT STUDY 1-5 HRS. (OC)
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. Three to fifteen laboratory hours per week or equivalent.

Robotics

ROBOT 110 INTRODUCTION TO ROBOTICS 1 HR. (OC)
Prerequisite: None. This course introduces the student to the history of machine automation and the reasons for its acceleration; the physical characteristics of robots and their relationship to other automated machinery; the various control systems available for robots; power transmission systems; robotic sensing systems; and an overview of robot applications. One lecture hour per week or equivalent.

The following courses are not currently being taught:

ROBOT 114 ROBOTIC SYSTEMS 3 HRS. (OC)
ROBOT 215 PROGRAMMABLE CONTROLLERS 4 HRS. (OC)
ROBOT 225 ELECTRONIC CONTROL SYSTEMS 3 HRS. (OC)

Supply Chain Management

SCM 111 CONTEMPORARY LOGISTICS 3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week. (Formerly TRTM 111)

SCM 220 BASICS OF SUPPLY CHAIN MANAGEMENT 2 HRS. (OC)
Prerequisite: None. This course is an introductory course for production and inventory management personnel and certified in production and inventory management (CPI) 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. Two lecture hours per week. (Formerly MAMM 220)
SOC 210 INTRODUCTION TO CRIMINOLOGY 3 HRS. (TC)
Prerequisite: SOC 110 or department approval. This course is designed
to examine criminological theory and process. A thorough study is made
of the nature of crime, types of crimes, the criminal process, and explana-
tions for criminal behavior including discussion of biosocial, psychological,
and sociological theories. Three lecture hours per week. CRJ 912

SOC 213 INTRODUCTION TO CULTURAL ANTHROPOLOGY 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or
department approval. 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. Three lecture hours per week. S1 901N

SOC 218 INTRODUCTION TO SOCIAL PSYCHOLOGY 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or
department approval or SOC 110 or PSY 110. 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 sci-
entist. Focal points include: the self-concept, perception, communication,
attraction, and socialization. Three lecture hours per week. S8 900

SOC 219 THE SOCIOLOGY OF RACE AND ETHNICITY IN AMERICA 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or
department approval or SOC 110. 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. Three lecture hours per
week. S7 903D

SOC 221 DEATH AND DYING 3 HRS. (TC)
Prerequisite: None. This course considers death and the dying process
and grief. Students have the opportunity to read and discuss issues
relevant to the major topics. Three lecture hours per week.

Sociology

SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or
department approval. 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.
Three lecture hours per week. S7 900

SOC 114 SOCIAL PROBLEMS 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or
department approval. 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.
Three lecture hours per week. S7 901

SOC 120 MARRIAGE AND THE FAMILY 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or
department approval. 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. Three lecture hours per week. S7 902

SOC 210 INTRODUCTION TO CRIMINOLOGY 3 HRS. (TC)
Prerequisite: SOC 110 or department approval. This course is designed
to examine criminological theory and process. A thorough study is made

Spanish General Education Development

**SPGED 100 SPANISH GED REVIEW I** 1 HR. (ASE)
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. One lecture hour per week.

**SPGED 101 SPANISH GED REVIEW II** 2 HRS. (ASE)
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. Two lecture hours per week.

**SPGED 102 SPANISH GED REVIEW III** 3 HRS. (ASE)
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. Three lecture hours per week.

Social Science

**SSC 111 AMERICANS AND THEIR CULTURE** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. **$9 900**

**SSC 115 LEADERSHIP AND COMMUNITY SERVICE** 2 HRS. (TC)
Prerequisite: None. 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. One lecture and three laboratory hours per week or equivalent.

Study Skills

**STUDY 089 COLLEGE STUDY SKILLS** 3 HRS. (BEC)
Prerequisite: Appropriate score on placement test or department approval. This course helps students build study skills for college course work. Two lecture and two laboratory hours per week or equivalent.

**STUDY 101 STUDY SKILLS** 1 HR. (BEC)
Prerequisite: None. This course is designed to help students refine study techniques and develop college-survival skills. Repeatable up to a maximum of three times. One lecture hour per week or equivalent.

*The following course is not currently being taught:*

**STUDY 102 CRITICAL THINKING SKILLS** 1 HR. (ASE)

Surgical Technology

**SURTK 100 ORIENTATION TO SURGICAL TECHNOLOGY** .5 HRS. (OC)
Prerequisite: None. 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. One-half lecture hour per week.

**SURTK 120 INTRODUCTION TO SURGICAL TECHNOLOGY** 4 HRS. (OC)
Prerequisite: Acceptance into the Surgical Technology Program and completion of BIOL 145 and CPR certification. 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. Three lecture and two laboratory hours per week.

**SURTK 121 FUNDAMENTALS OF SURGICAL TECHNOLOGY I** 7 HRS. (OC)
Prerequisite: Completion of SURTK 120 with a grade of “C” or better and completion of BIOL 146 with a grade of “C” or better, and current CPR certification. This course is a continuation of introduction to surgical technology 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: surgical landmarks, surgical anatomy, incisions and terminology related to laparotomy, hernias, breast, veins, rectal, obstetrical and gynecological surgical procedures. Five lecture and fourteen clinical hours per week.

**SURTK 122 FUNDAMENTALS OF SURGICAL TECHNOLOGY II** 6 HRS. (OC)
Prerequisite: Completion of SURTK 121 with a grade of “C” or better and completion of BIOL 210 with a grade of “C” or better, and current CPR certification. This course is a continuation of fundamentals of surgical technology 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: genitourinary, orthopedics, and the endocrine system. Four and one-half lecture hours and twelve laboratory hours per week.

**SURTK 130 PHARMACOLOGY FOR THE SURGICAL TECHNOLOGIST** 1 HR. (OC)
Prerequisite: Acceptance into the Surgical Technology Program. This course is a study of pharmacology and anesthesia. This course will deal with all aspects of pharmacology: drug sources, forms, nomenclature, route of administration, classifications, pharmacoekinetics, 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. One lecture hour per week.
Theatre

THTRE 110 THEATRE APPRECIATION 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. F1 907

THTRE 111 MODERN DRAMA 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. 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. Three lecture hours per week. F1 907
**THTRE 217 CREATIVE DRAMATICS AND CHILDREN’S THEATRE**

Prerequisite: None. 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. Three lecture hours per week.

**THTRE 220 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’s Performing Arts Center. Three lecture hours per week or equivalent.

**THTRE 221 STAGE MOVEMENT**

Prerequisite: None. 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. Six laboratory hours per week.

**THTRE 222 ACTING II**

Prerequisite: THTRE 122 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. Three lecture and one laboratory hours per week.

**THTRE 223 DIRECTING II**

Prerequisite: THTRE 123 or department approval. This course is a continuation of Directing I. In this course the student-director will further develop 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. Three lecture and one laboratory hours per week.

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**Therapeutic Massage**

**TM 110 INTRODUCTION TO MASSAGE THERAPY AND BODYWORK**

Prerequisite: None. 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. One lecture and one-half laboratory hours per week or equivalent.

**TM 111 FUNDAMENTAL MASSAGE TECHNIQUES**

Prerequisite: Admission to the Therapeutic Massage Program; TM 110 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. In addition to basic traditional massage techniques, good posture, table mechanics, touch and pressure sensitivity, and professional conduct, such as draping, are practiced. The history of massage, benefits, contraindications, and therapist self-care issues will be discussed. One lecture and three laboratory hours per week or equivalent.

**TM 112 APPLIED ANATOMY AND PHYSIOLOGY FOR THE BODYWERKER**

Prerequisite: Admission to the Therapeutic Massage Program; TM 110 and BIOL 140 with a grade of “C” or better. This is an extensive course specifically designed for massage therapy students. It includes a thorough examination of the following: muscles (their origins, insertions, and actions), bones, nerves, and function of the body’s systems. Class time is divided between lecture and hands-on experience to enable the students to integrate the material fully, which includes building the muscles on a plastic model. Emphasis is placed on studying and analyzing human structure and its effect on body functions. Two lecture hours and two laboratory hours per week or equivalent.

**TM 113 PROFESSIONAL ISSUES FOR THE BODYWERKER**

Prerequisite: Admission to the Therapeutic Massage Program; TM 110 and BIOL 140 with a grade of “C” or better. This course will cover the professional practice of massage therapy which involves both providing a service to clients and working within a community of health care practitioners. An introduction to the business side of massage therapy includes topics of interest to the small business owner, as well as to the employee and independent worker. Two lecture hours per week or equivalent.

**TM 114 PATHOLOGY, DOCUMENTATION AND TERMINOLOGY FOR THE BODYWERKER**

Prerequisite: Admission to Therapeutic Massage Program; TM 110 and BIOL 140 with a grade of “C” or better. This course will provide students with an overview of pathological conditions commonly confronted by massage therapists, medical terminology by which to recognize such conditions, and the procedures to document the information. One lecture hour per week or equivalent.

**TM 115 CONCEPT OF HOLISTIC HEALTH**

Prerequisite: Admission to the Therapeutic Massage Program; TM 110 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 are explored, as well as stress management. Integrating conventional and complementary therapies to promote optimal health and to prevent and treat disease will be discussed. Three lecture hours per week or equivalent.

**TM 120 THERAPEUTIC MASSAGE CLINICAL I**

Prerequisite: TM 111, 112, 113, 114, and 115 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 contraindications; demonstrate proper ethics, client/therapist communication skills, proper draping techniques, and safety and sanitary precautions; and perform a full body massage utilizing basic Swedish Massage techniques, properly documenting the session in the client’s record. Three hours of laboratory or supervised practice per week or equivalent.

**TM 121 ADDRESSING THE MUSCLE**

Prerequisite: TM 120 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. Three lecture hours and three laboratory hours per week or equivalent.

**TM 123 MASSAGE THERAPY TECHNIQUES, VARIATIONS AND APPLICATIONS**

Prerequisite: TM 120 with a grade of “C” or better. In this course, students will learn to apply massage technique variations for specific cases including muscle/soft tissue manipulation, meridian points, and/or energy work. Three lecture hours and two laboratory hours per week or equivalent.
TM 125  APPLIED KINESIOLOGY FOR THE BODYWORKER  2 HRS. (OC)
Prerequisite: TM 120 with a grade of “C” or better. This course is designed to give students a basic knowledge of movement and the inter-relationship 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. Two lecture hours and one laboratory hour per week or equivalent.

TM 127  THERAPEUTIC MASSAGE CLINICAL II  2 HRS. (OC)
Prerequisite: TM 120, HLTH 120, and FCS 110 with a grade of “C” or better. This course continues the learning experience of TM 120 Therapeutic Massage Clinical I, requiring the massage student to engage more deeply in critical thinking, safety, assessment and documentation. In the student clinical setting, therapeutic massage students will have the opportunity to apply the massage principles, techniques, and procedures in a professional therapeutic massage environment to members of the community. Six hours of laboratory and supervised practice per week or equivalent.

TM 255  INDEPENDENT STUDY  1-5 HRS. (OC)
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. A final written report is also 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.

Travel

TRAV 110  INTRODUCTION TO THE TRAVEL INDUSTRY  3 HRS. (OC)
Prerequisite: None. This course is an overview of the travel industry including: airlines, shipping lines, tour operators, wholesalers, charter operations, hotel representatives, car rental agencies, tourist offices, and travel agencies. Job related opportunities will be discussed. This course will also cover basic airline codes and terminology, reservation ethics and procedures, reservation records, buffer zones for tariff purposes, and travel insurance. Other “hospitality industry” issues will be included. Three lecture hours per week.

TRAV 116  TRAVEL DESTINATIONS (WESTERN HEMISPHERE)  3 HRS. (OC)
Prerequisite: None. This course is a study of the travel destinations in the United States, Canada, the Caribbean, Mexico, etc. The location of major cities, airports, and air, land, and sea companies serving these areas is presented as well as tourist attractions, historical monuments, works of art, unique land formations, and how tour companies operate in these areas. Three lecture hours per week.

TRAV 117  TRAVEL DESTINATIONS (EASTERN HEMISPHERE)  3 HRS. (OC)
Prerequisite: None. This course is a study of the travel destinations in Europe, the Middle East, Africa, Asia, the Orient, etc. The location of major cities, airports, and air, land, and sea companies serving these areas is discussed. Also included is the location of important tourist attractions, historical monuments, works of art, unique land formations, and how tour companies operate in these areas. Three lecture hours per week.

Typewriting

TYPE 120  KEYBOARD/WORD PROCESSING I  3 HRS. (OC)
Prerequisite: None. This course will provide instruction in touch typing and basic commands using current word processing software. Two lecture and two laboratory hours per week.

TYPE 121  KEYBOARDING/WORD PROCESSING II  3 HRS. (OC)
Prerequisite: TYPE 120 with a grade of “C” or better 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. Two lecture and two laboratory hours per week.
Welding Technology

WLDR 041  BASIC STICK WELDING  1 HR. (VSC)
Prerequisite: None. This course is designed to help prepare individuals with basic skills needed to safely operate arc welding units, and will deal with those topics suited to the individual’s needs. The student will develop proficiency in the safe operation of the manual metallic shielded arc welding processes in the flat and horizontal positions. Usually taught in eight three-hour sessions. One-half lecture and one laboratory hour per week.

WLDR 111  WELDING BLUEPRINT READING  3 HRS. (OC)
Prerequisite: None. 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. Three lecture hours per week.

WLDR 112  WELDING THEORY I  1 HR. (OC)
Prerequisite: None. 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 (WLDR 115 and 121). One lecture hour per week.

WLDR 118  MAINTENANCE WELDING  2 HRS. (OC)
Prerequisite: None. 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. One lecture and three laboratory hours.

WLDR 119  WELDING PROCESSES  2 HRS. (OC)
Prerequisite: None. 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, oxyacetylene welding and cutting, brazing, resistance welding, hard-surfacing, metallizing, air arc gouging, automated NC assisted welding and cutting, robot welding and weldment design. One lecture and three laboratory hours per week.

WLDR 120  WELDING  2 HRS. (OC)
Prerequisite: None. 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. One lecture and three laboratory hours per week.

WLDR 121  STICK WELDING I  1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in WLDR 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. Three laboratory hours per week.

WLDR 122  STICK WELDING II  1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in WLDR 121 or department approval. This course is a continuation of WLDR 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. Three laboratory hours per week.
WLDTR 123 STICK WELDING III 1 HR. (OC)
Prerequisite: WLDTR 122 or department approval. This course is a continuation of WLDTR 122. The student will develop proficiency in the safe operation of the manual shielded metallic arc welding process in vertical position to meet commercial quality standards. Three laboratory hours per week.

WLDTR 124 STICK WELDING IV 1 HR. (OC)
Prerequisite: WLDTR 122 with a “C” or better or department approval. This course is a continuation of WLDTR 123. 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. Three laboratory hours per week.

WLDTR 133 WELDING FOR MAINTENANCE MECHANICS 3 HRS. (OC)
Prerequisite: None. This course introduces the maintenance mechanic student to the commonly used welding processes. The student will learn the theory and application of these processes. The student will be 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. One lecture and five laboratory hours per week.

WLDTR 210 WELDING EQUIPMENT MAINTENANCE 3 HRS. (OC)
Prerequisite: WLDTR 112 and 121. 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. Two lecture and three laboratory hours per week.

WLDTR 212 WELDING THEORY II 1 HR. (OC)
Prerequisite: WLDTR 112 and 121; or department approval. This course emphasizes techniques and theory of welding in the vertical and overhead positions, as practiced in WLDTR 225 and 226. The special techniques of granular flux shielded submerged arc welding are also covered. Welding cast iron, carbon steels, alloy steels, and non-ferrous metals is discussed. Also discussed is the techniques and theory of tungsten inert gas welding (TIG) and semi-automatic arc welding (MIG) as practiced in WLDTR 225 and 226. Welding of alloy steel and non-ferrous metals by these processes is included. One lecture hour per week.

WLDTR 225 SEMI-AUTOMATIC ARC WELDING 1 HR. (OC)
Prerequisite: None. 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, flux cored gas shielded and unshielded welding, arc cutting and surfacing to meet commercial quality standards for welding of structural grade steels will be included in the course. Three laboratory hours per week.

WLDTR 226 GAS TUNGSTEN ARC WELDING 1 HR. (OC)
Prerequisite: WLDTR 121 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, for joining of common and alloy steels, and aluminum to meet commercial quality standards. Three laboratory hours per week.

WLDTR 227 ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW)
Prerequisite: WLDTR 225 and 111. 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 or structural grade steels will be included in the course. This course is also a review of WLDTR 225 and 111 blueprint reading. Four laboratory hours per week.

WLDTR 230 WELD TESTING 3 HRS. (OC)
Prerequisite: PHYS 112. This course is a survey of weldment design and an overview of the more popular field and laboratory weld testing procedures in use today. It includes both destructive and non-destructive test methods and is designed to be taken as part of the Welding Technology Degree Program. Two lecture and three laboratory hours per week.

WLDTR 240 ADVANCED WELDING 3 HRS. (OC)
Prerequisite: WLDTR 212, 225, 226 and 230. 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 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. Two lecture and three laboratory hours per week.

WLDTR 255 INDEPENDENT STUDY 1-5 HRS. (OC)
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. Three to fifteen laboratory hours per week or equivalent.

The following course is not currently being taught:

WLDTR 130 WELDING FOR MAINTENANCE MECHANICS 3 HRS. (OC)

Word Processing

WP 122 KEYBOARD/WORD PROCESSING III 4 HRS. (OC)
Prerequisite: TYPE 121 with a grade of “C” or better or department approval. 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. Three lecture and two laboratory hours per week.

WP 152 PROOFREADING 1 HR. (OC)
Prerequisite: OFOCC 114 with a grade of “C” or better. This course is designed to teach and develop office-style proofreading techniques and skills. One lecture hour per week.

WP 161 DATA ENTRY 1 HR. (OC)
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. Two laboratory hours per week.

WP 186 WORD PROCESSING FOR DESKTOP PUBLISHING 3 HRS. (OC)
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. Two lecture and two laboratory hours per week.
Work Skills

WRKSK 102  JOB PREPAREDNESS  2 HRS. (ABE)
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. Two lecture hours per week or equivalent.

WRKSK 103  JOB PREPAREDNESS II  2 HRS. (ABE)
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. Two lecture hours per week or equivalent.

The following course is not currently being taught:

WRKSK 105  TECHNICAL WORKFORCE PREPARATION  2 HRS. (ABE)

Water & Wastewater Treatment

The following course is not currently being taught:

WST 084  USE OF A MICROCOMPUTER  1 HR. (VSC)
IN WASTEWATER TREATMENT PLANT

Community Education Classes

NON-CREDIT ACTIVITIES

CRAFT C13  DRAWING AND PAINTING I
Eight two and one-half hour sessions.

CRAFT C14  DRAWING AND PAINTING II
Prerequisite: CRAFT C13. Eight two and one-half hour sessions.

CRAFT C15  CERAMICS
Eight two-hour sessions.

CRAFT C16  OIL PAINTING
Eight two-hour sessions.

CRAFT C41  CERAMICS PRACTICUM
Prerequisite: ART 204 and 205. Eight two and one-half hour sessions.

CRAFT C42  SCULPTURE PRACTICUM
Prerequisite: ART 112 and 206. Eight two and one-half hour sessions.

CRAFT C43  PAINTING PRACTICUM
Prerequisite: ART 200 and 201. Three laboratory hours per week for eight weeks.

CRAFT C44  DRAWING PRACTICUM
Prerequisite: ART 006 and 007. Eight two and one-half hour sessions or equivalent.

REC C05  SPORTS ACTIVITIES AND FITNESS
Participation is in various activities designed to promote physical fitness. Activities include volleyball, badminton, and other conditioning activities and games.

REC C06  TENNIS
Eight two-hour sessions or equivalent.

REC C17  MODERN DANCE PRACTICUM
Prerequisite: DANCE 140 and 141. One lecture hour per week

REC C26  AEROBIC EXERCISE
Eight two-hour sessions or equivalent.

REC C27  ADVANCED AEROBIC FITNESS
Eight two-hour sessions.

REC C36  BALLET PRACTICUM
Sixteen two-hour sessions or equivalent.

REC C37  PRAIRIE WIND ENSEMBLE
Prerequisite: Two semesters of MUS 131 and two semesters of MUS 231. Sixteen three-hour sessions and performances as may be scheduled.

REC C50  RACQUETBALL
One activity hour per week or equivalent.

REC C51  SOFTBALL
One activity hour per week or equivalent.

REC C52  BOWLING
One activity hour per week or equivalent.

REC C53  GOLF
One activity hour per week or equivalent.

REC C54  ADVANCED GOLF
One activity hour per week or equivalent.

REC C55  BEGINNING SWIMMING
One activity hour per week or equivalent.

REC C56  INTERMEDIATE SWIMMING
One activity hour per week or equivalent.

REC C57  FIGURE FITNESS FOR WOMEN
One activity hour per week or equivalent.

REC C58  PHYSICAL CONDITIONING
One activity hour per week or equivalent.

REC C59  WEIGHT TRAINING
One activity hour per week or equivalent.

REC C65  CONCERT CHOIR
Sixteen three-hour sessions and performances as may be scheduled.

REC C66  CHAMBER SINGERS
Three laboratory hours per week for eight weeks.

REC C67  AEROBIC CIRCUIT FITNESS
Two activity hours per week or the equivalent.

REC C70  AEROBICS
Two activity hours per week or equivalent.

REC C71  BOCCE
Two activity hours per week or the equivalent.

REC C77  JAZZ DANCE PRACTICUM
Prerequisite: DANCE 130 and 131.

REC C78  BACKPACKING BASICS
One-half lecture hour per week or equivalent.

REC C79  TAP DANCE PRACTICUM
Prerequisite: DANCE 150 and 151.

REC C80  AEROBIC SUPER CIRCUIT FITNESS
Prerequisite: PHYED 183.

REC C81  AEROBIC SUPER CIRCUIT FITNESS
Prerequisite: PHYED 183.

REC C82  AEROBIC SUPER CIRCUIT FITNESS
Prerequisite: PHYED 183.

REC C83  AEROBIC SUPER CIRCUIT FITNESS
Prerequisite: PHYED 183.

REC C85  HEALTH AND WELLNESS FOR SENIORS
Prerequisite: None.
SPECIAL PROGRAMS/CLASSES

Academic Discovery Program
Class Format
CONNECT
Dual Credit Classes
GED Review Classes
Honors Program
International Education Program
Online Certificate and Degree Options
Youth Programs
Academic Discovery Program

The Academic Discovery Program is designed for new, “undecided” students. It combines two college transfer courses, “Orientation to College” (ORIEN 100), and “Career Choice” (ORIEN 101). This combination of classes develops student success skills and transfer level study techniques along with selecting a college major. For more information, contact Advisement and Counseling Services at (309) 694-5281.

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 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 – You study course content 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: Online math classes may require proctored testing. Contact the instructor for more information.

Weekend college – Classes meet on Friday, Saturday, and/or Sunday.

CONNECT (formerly known as QUEST)

East Peoria Campus • 302B • (309) 694-5162

CONNECT is an innovative program that helps students adjust to college life. CONNECT also helps with the transfer process to a four-year college or university.

What does the program offer?

1. Academic advisement, guidance and support that helps to insure a seamless transfer from the community college to a four-year college or university.

2. A “Community of Learning” that replicates the intellectual and social climate of a residential college or university. CONNECT students may choose to take advantage of free tickets for cultural events and seminars, attend a variety of lectures and field trips, or take part in social and volunteer activities all of which contribute to learning outside the classroom.

3. Special CONNECT classes that provide an enriched version of the general education requirements through innovative teaching strategies. These approaches provide opportunities to actively participate in classroom learning, address a variety of learning styles, and encourage higher-level thinking.

4. A supportive network and “home base” that can mean the difference between failure and success.

The CONNECT program is limited to 350 students.

Minimum requirements include:

1. ACT score of 20 or above; or rank in the upper one-half of graduating class.

2. Enrollment in an arts degree, science degree or transferable degree curriculum.

3. An Illinois Central College earned GPA of 2.5 or higher.
Students must maintain a GPA of 2.5 and participate in CONNECT activities, classes, and events to remain active in the program.

**Dual Credit Classes**

Dual credit classes are college courses taken by high school junior and senior students that concurrently count as credit towards high school graduation and towards college degree requirements. The dual credit program at Illinois Central College continues to be a popular option for high school junior and senior students who express an interest in obtaining college-level credit for coursework completed at the high school. Students who select dual credit are required to meet the course prerequisites including the Compass placement test (or ACT equivalent) for applicable courses. For more information, phone (309) 694-5534.

**GED Review Classes**

Students who don’t have a high school diploma can prepare for GED® (General Educational Development) Tests by taking **FREE** review classes offered in a variety of locations throughout the Illinois Central College District.

The review classes cover all areas necessary to pass the GED Tests, including state and federal constitutions. For more information, phone (309) 694-5240.

**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 all credit courses; 2) access to honors courses with small class sizes; 3) opportunity 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 an in-district student.

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 www.icc.edu/campuslife/honorsProgram.asp.

**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; 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 Certificate and Degree Option**

A student may complete specific degree and certificate programs online. Refer to the ICC Virtual Campus office at (309) 694-8888 or icconline@icc.edu or visit www.icc.edu/VirtualCampus.
Weekend College
ICC North, Cedar Hall • C26 • (309) 690-6866

Offered during the fall and spring semesters, courses are offered on Friday evenings, Saturday mornings, Saturday afternoons, and Sunday afternoons. This format offers busy students an opportunity to attend full-time and complete most of the general education requirements.

Youth Programs
ICC North, Hickory Hall • (309) 690-6914

A wide variety of non-credit workshops for fourth through tenth grade age children are offered primarily in the summer through the College for Kids Program.

The ACT Review is regularly scheduled shortly before the national ACT Exam dates and includes a review of test-taking strategies, English, math, science, reading and writing materials similar to those covered by the exam.
Policies and Procedures

Academic Policies
- Academic Honors
- Academic Misconduct
- Academic Standards
- Audit of Courses
- Class Attendance
- Grade Exclusion Policy
- Grade Point Average
- Grading System
- Intercollegiate Competition
- Transcript Requests

Enrollment Procedures
- Enrollment
- Student Status
- Maximum Load
- Withdrawal and Changes
- Late Withdrawal
- Repeating Courses
- Semester Hour
- Cancellation of Classes
- Chargebacks
- Inter-District Cooperative Education Agreements

Rights and Responsibilities
- Educational Rights & Responsibilities
- Student’s Right to Privacy and Access to Records (FERPA)

Tuition
- Online Payment Plans
- Credit Card Payment
- Incidental Fees
- Refunds/Dropping Charges
- NSF Checks

Additional Policies & Procedures
- Credit for Prior Learning
- Armed Forces Credit
- Educational Guarantees
Academic Policies

ACADEMIC HONORS

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

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

Candidates for graduation with a cumulative GPA of at least 3.80 for hours attempted at Illinois Central College are accorded special recognition at graduation.

(Note: Since final grades are not posted to student records until after the graduation ceremony, the previous semester’s cumulative GPA is used as the basis for special recognition at graduation.)

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 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 painful and can affect the entire educational experience at Illinois Central College.

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 are provided.

A student admitted to Illinois Central College who has attempted 12 or more semester hours of work will be placed on ACADEMIC PROBATION if the student’s cumulative grade point average is less than the minimum requirements shown below:

<table>
<thead>
<tr>
<th>Level</th>
<th>Total Hours Attempted</th>
<th>Required Cumulative Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>12-28</td>
<td>1.70</td>
</tr>
<tr>
<td>II</td>
<td>More than 28</td>
<td>2.00</td>
</tr>
</tbody>
</table>

To be removed from probation, the student’s cumulative grade point average must be raised to the required level shown above.
One purpose of academic probation is to caution students 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.

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 probation should be made aware of the consequences of probationary status and the resources available for the detection and possible correction of academic deficiencies. To this end, a student who has been placed on academic probation IS STRONGLY RECOMMENDED to seek academic advisement assistance. Information regarding academic advisement services is available in the Advisement and Counseling Services Office, located in the Leitch Career Center.

If the student’s cumulative grade point average has not been raised to the required level, the student may re-enroll and remain on academic probation if:

a. a semester grade point average of 1.70 for LESS than 29 cumulative semester hours attempted is attained or,

b. a semester grade point average of 2.00 for 29 OR MORE cumulative semester hours attempted is attained.

If these standards are not met, the student will be suspended from the College for one semester.

A student who fails to maintain a cumulative grade point average of 0.75 shall be suspended for a period of one semester.

A student suspended from Illinois Central College because of failure to achieve the required grade point average may re-enter on academic probation after one academic semester WITHOUT PETITION. However, the student must meet with his/her assigned academic advisor (or delegated representative) to have his/her schedule approved before registration whether part-time or full-time.

A suspended student may elect to petition the College for immediate re-admission if the student feels extenuating circumstances caused poor academic achievement.

A suspended student re-admitted to the College on probation whose cumulative grade point average has achieved the required level, will be removed from probation.

A suspended student re-admitted to the College on probation whose cumulative grade point average fails to meet the required level, but who achieves a semester grade point average equal to the required level, is eligible for re-enrollment on probation for the ensuing semester.

AUDIT OF COURSES

Many courses at Illinois Central College may be audited. An auditor is a non-participating listener in a course. An auditor is not required to take tests or submit reports, and 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”.

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 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 5 percent of the class meetings.

In case of prolonged absences because of illness, accident, hospitalization, or family problems, students should notify 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.
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 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 2.00 at the time of re-admission to the College.

3. Upon re-admission, the student must complete a minimum of 15 approved consecutive semester hours in graded college level courses with no grades of “D” or “F” or a GPA of at least 2.00 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” 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. 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.

Application forms for grade exclusion may be obtained in Enrollment Services, L211, East Peoria Campus. Completed forms should be directed to Enrollment Services, L211, East Peoria Campus.

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

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Letter Grade</th>
<th>Points Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110</td>
<td>3</td>
<td>B</td>
<td>9</td>
</tr>
<tr>
<td>PSY 110</td>
<td>3</td>
<td>C</td>
<td>6</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>4</td>
<td>A</td>
<td>16</td>
</tr>
<tr>
<td>PHYED 130</td>
<td>1</td>
<td>B</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>4</td>
<td>B</td>
<td>12</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
<td></td>
<td><strong>46</strong></td>
</tr>
</tbody>
</table>

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 repeated at this institution according to specified repeat 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 L211, (309) 694-5581.
**GRADING SYSTEM**

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Definition</th>
<th>Grade Points</th>
<th>Per Semester Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Superior</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2.00</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Poor</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>FA</td>
<td>Attendance</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawal</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>FX</td>
<td>Grade Excluded</td>
<td>No grade point</td>
<td>No grade point</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>No grade point</td>
<td>No grade point</td>
</tr>
<tr>
<td>S</td>
<td>Successful</td>
<td>No grade point</td>
<td>No grade point</td>
</tr>
<tr>
<td>U</td>
<td>Unsuccessful</td>
<td>No grade point</td>
<td>No grade point</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td>No grade point</td>
<td>No grade point</td>
</tr>
<tr>
<td>NG</td>
<td>No Grade</td>
<td>No grade point</td>
<td>No grade point</td>
</tr>
<tr>
<td>NR</td>
<td>Not reported by instructor</td>
<td>No grade point</td>
<td>No grade point</td>
</tr>
<tr>
<td>FA</td>
<td>The student has attended through the mid-term 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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WF</td>
<td>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”.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX</td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Indicates the student has not completed requirements for the course. No grade points or credit hours will be given in a course for 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 Student 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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>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.</td>
<td></td>
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<tr>
<td>U</td>
<td>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.</td>
<td></td>
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<tr>
<td>NG</td>
<td>Indicates a Community Education non-credit activity which does not receive a grade or earn grade points.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NR</td>
<td>No grade reported by instructor.</td>
<td></td>
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</tbody>
</table>

**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 on academic probation unless approval is granted by the Vice President of Student Affairs. The minimum number of semester hours in which a student must be enrolled is determined by the organization governing the competition.

**TRANSCRIPT REQUESTS**

East Peoria Campus • L211 • (309) 694-5609
Perley Building, Downtown Peoria • (309) 999-4500
Cedar Hall, ICC North • (309) 690-6870
ICC South, Pekin • (309) 642-6601

Official transcripts of credit earned at Illinois Central College are $5 each and are requested in Enrollment Services, L211. Students and former students may request copies be sent to another individual, business, or school.

To request an official transcript or have an official transcript forwarded, complete a transcript request form from the Enrollment Services office on the East Peoria Campus, Downtown Peoria, Perley Building, ICC North, Cedar Hall, or ICC South, Pekin. Forms may also be obtained online at www.icc.edu and mailed to Enrollment Services.

Official transcripts can also be requested online at www.icc.edu. The online charge per transcript is $3. To use the online ordering service, you must have a valid credit card for payment.

In situations where a transcript is necessary for immediate use, one may be provided within 15 to 30 minutes for a $10 per copy fee. This service is available 8:30 a.m.-3 p.m., Monday through Thursday and 8:30 a.m.-1:00 p.m. on Friday at the 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 online at www.icc.edu; 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, please contact the Student Activities Office, 305B, phone (309) 694-5201.

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

Enrollment Procedures

ENROLLMENT

Courses scheduled for each semester and summer session are published by the College. The schedule lists day, time and location of classes, and dates and times for registration. The Summer/Advanced Fall Class Schedule booklet is generally available the preceding March; the Spring Class Schedule booklet, the preceding October; and the Fall Class Schedule booklet in July. Schedules are available online (www.icc.edu) and may be obtained in person at all College sites.

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.

Community Education classes offered by ICC’s Professional Development Institute (PDI) are listed in a separate publication entitled Adult Community Programs. To request a copy, call (309) 999-4545 or visit the PDI web site at www.icc.edu/acp/.

STUDENT STATUS

FULL-TIME STUDENT

Students enrolled for 12 or more semester 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 hours during the summer session are classified as full-time.

PART-TIME STUDENT

Students enrolled for eleven or fewer semester 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 semester 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 nine 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 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 semester hours. Students on academic probation, re-admitted suspended students, and students in certain programs may be limited to a lesser number of hours. Since study time of two hours is normally required for each lecture hour of class, students carrying a full-time course schedule should be employed no more than 10 to 15 hours per week. EXCESSIVE EMPLOYMENT IS ONE OF THE PRINCIPLE CAUSES OF ACADEMIC FAILURE IN COLLEGE. In most cases, employment in excess of 15 hours per week should be accompanied by corresponding reduction of course schedule.

WITHDRAWAL AND CHANGES

When necessary to withdraw from a course or courses, you may do so at anytime until 75% of the class has elapsed.

Withdrawals are accepted online, by mail, fax or in person at the East Peoria Campus (L211); Downtown Peoria; ICC North, Cedar Hall; or ICC South, Pekin.

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 e-mail 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.
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.

Late Withdrawals
Withdrawals after the end date listed in the class schedule will be considered late. For more information on the process see “Petition 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, 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.

REPEATING COURSES
Students may repeat any course attempted at this institution for which they received a D or F grade. The original D or F grade will remain on the transcript but will not be included in the calculation of the Illinois Central College cumulative grade point average. They may not repeat courses which earned an A, B, or C grade unless the Catalog specifically states in the course description the course may be repeated.

A student who has been admitted to a Health Careers program and who has (a) received a grade lower than “C”, or (b) received an unsatisfactory grade in a health program course, or who has (c) withdrawn, may seek readmission by initiating a written request through the dean. A student may be readmitted to the program only once and may repeat such a course only once.

A student who seeks readmission may be asked to demonstrate retention of previously learned skills or may be required to repeat the entire program vocational sequence. Space availability is a consideration in evaluating the readmission request.

Questions regarding repeating classes should be directed to Enrollment Services, 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.

SEMESTER HOUR (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 fifty minutes of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately sixteen weeks for one semester hour credit.

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

CHARGEBACKS
Illinois Central College is a partner within the Illinois Partial Student Support Program. 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 chargeback reduces the student’s tuition obligation to the current in-district rate of the receiving institution while the student’s home community college provides partial tuition support (chargeback payment) directly to the receiving institution.

The Agreement work in two ways:
1. A District 514 student can enroll in a curriculum (major) that is not offered by Illinois Central College but is offered by another Illinois two-year college.
2. A non-District 514 student (Illinois resident) can enroll at ICC in a curriculum (major) that is not offered by their home community college district.

District 514 students continue to have the choice of attending any two-year college within Illinois. However, if ICC has entered into a Cooperative Agreement with a
school that offers the selected curriculum, ICC will not approve a chargeback agreement request for the student to attend a separate institution.

For more information on the chargeback agreement, contact Illinois Central College Enrollment Services, Room L211, phone (309) 694-5354.

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

The chargeback and Cooperative Agreement form can be obtained at the following web address: www.icc.edu/future students/forms.asp

The following Illinois two-year institutions that have signed on to the Community College Educational Agreement are listed below:
Black Hawk College
Carl Sandburg College
Danville Community College
Elgin Community College
Heartland Community College
Highland Community College
Illinois Central College
Illinois Valley Community 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
Prairie State College
Rend Lake College
Richland Community College
Rock Valley College
Sauk Valley Community College
South Suburban College
Southwestern Illinois College
Spoon River College
Waubonsee Community 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) 694-5354.

**HIGH SCHOOL INTER-DISTRICT COOPERATIVE AGREEMENTS**

Illinois Central College is committed to making the educational experience both accessible and affordable to all students whether they reside within Community College District 514 or one of the surrounding districts. To this end, ICC has agreed to partner with our bordering community colleges to develop the High School Inter-District Cooperative Agreement.

The High School Cooperative Agreement works to provide reduced tuition to any recent graduate from one of the high school districts within District 514 that educate students from both District 514 and bordering community college districts. The specific high schools included are listed below:
El Paso-Gridley District #11 (graduated since 2004)
Farmingon District #265 (graduated since 2005)
Fieldcrest District #6 (graduated since 2005)
Flanagan District #4 (graduated since 2004)
Henry-Senachwine District #5 (graduated since 2005)
Illini Bluffs District #327 (graduated since 2000)
Illini Central C.U.S.D. #189 (graduated since 2006)
Midland District #7 (graduated since 2005)
Midwest Central District #191 (graduated since 2000)
Princeville District #326 (graduated since 2005)

For more information on the High School Inter-District Cooperative Agreement contact Illinois Central College Enrollment Services, Room L211, (309) 694-5354.
Rights and Responsibilities

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” page 314.

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 Affairs, East Peoria Campus, Room L221.

STUDENT’S RIGHT TO PRIVACY AND ACCESS TO RECORDS (FERPA)

According to the Family Education Rights and Privacy Act (FERPA) of 1974, students have the right to the following:

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.

ICC considers the following directory information:

1. Student’s full name.
2. Affirmation of student enrollment status (full/part-time) and class level.
3. Dates of attendance, graduation, degree(s), certificates(s) earned, and honors received.
4. Pertinent information relating to participation in officially recognized activities and sports.

ICC will only disclose directory information to individuals or entities with legitimate education interests. Student schedules, grades, and other academic information will not be released to parents or guardians without written consent of the student. To restrict disclosure of directory information or to authorize release to specified individuals, contact the Registrar in Enrollment Services, L211, (309) 694-5354.
Tuition

Tuition is due according to dates in the current Class Schedule. Charge authorizations for scholarships, grants and financial assistance must be authorized by the Financial Assistance Office. District chargebacks and miscellaneous agency authorizations must be received in Enrollment Services, L210. All authorizations must be completed and received prior to the tuition due date of the semester. 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.

<table>
<thead>
<tr>
<th>per credit hour</th>
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<tbody>
<tr>
<td>$106.50</td>
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<tr>
<td>ICC district residents</td>
</tr>
<tr>
<td>AND Out-of-district, Illinois residents* authorized by their Community College for partial payment</td>
</tr>
<tr>
<td>AND Web classes for district and out-of-district residents</td>
</tr>
<tr>
<td>free</td>
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<tr>
<td>ICC district residents 65 and older, credit classes only (not including fees)</td>
</tr>
<tr>
<td>$235</td>
</tr>
<tr>
<td>Out-of-district, Illinois residents* NOT authorized by their Community College for partial payment</td>
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<tr>
<td>AND Out-of-state residents and International Students</td>
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<tr>
<td>varied</td>
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<tr>
<td>Community Education activities and Professional Development Institute (costs associated with class)</td>
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*If you reside in an Illinois community college district which does not offer a program available at Illinois Central College, you may be eligible for Partial Student Support (chargeback) from your legal, or home district. The application for Partial Student Support should be submitted to your home district community college board at least 30 days prior to the beginning of the semester. If the application is properly filed and approved by the board, you’re entitled to receive partial support for out-of-district tuition charges at Illinois Central College. ICC RESERVES THE RIGHT TO CHANGE TUITION WITHOUT NOTICE.

ONLINE PAYMENT PLANS

The online credit card or electronic bank transfer payment allows you to make immediate payments using your ICC e-services account. The free payment plans create regular automatic electronic payments for you. To use a payment plan, you must have at least 3 credit hours in outstanding tuition or other charges on your account. (For example, if tuition is $106/credit hour, then you need at least $319.50 in charges on your account to use the electronic payment plan.) A down payment is due when you enroll in the payment plan. Remember, 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. The final installment payment is due in the eleventh week of the fall and spring semesters; summer tuition due dates and specific fall/ spring due dates will be listed separately in your agreement.

You may submit your payment one of two ways: 1) Automatic Bank Payment (ACH) – 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 credit and non-credit 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.

For more information, contact or stop by Student Accounting, Room L210, (309) 694-5467.

CREDIT CARD PAYMENT

You may use MasterCard, Visa, or Discover credit cards to pay tuition, fees, Performing Arts Center tickets, Professional Development Institute costs, books, school supplies, and miscellaneous campus bookstore items.

INCIDENTAL FEES

Incidental fees are payable at the time the proper form is completed and are not refundable. The College reserves the right to change fees without notice.

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Degree Fee</td>
<td>$15</td>
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<tr>
<td>Certificate Fee</td>
<td>$5</td>
</tr>
<tr>
<td>Cap &amp; Gown Purchase</td>
<td>$15</td>
</tr>
<tr>
<td>Transcript Fee</td>
<td>$2</td>
</tr>
<tr>
<td>Transcript Fee “online request”</td>
<td>$4</td>
</tr>
<tr>
<td>Transcript Fee “immediate processing”</td>
<td>$5</td>
</tr>
</tbody>
</table>

REFUNDS/DROPPING CHARGES

ICC will drop all tuition charges or give 100% refunds of tuition for any decrease in semester hours including complete withdrawal from the College if you officially withdraw online or in person at one of the four ICC sites prior to the refund date. Refund dates vary and are listed for each course in the class schedule booklet and on your fee bill.

For information on how to officially withdraw from a course, refer to the Withdrawal and Changes section found on page 318.

Other attempts to withdraw are not considered “official” and will not be honored for refund. A student will be held financially responsible for tuition for all classes not officially dropped by the refund date.

In the event the College cancels a class, a total refund of tuition pertaining to the class will be made if the student does not change to another class.
It is the policy of the College to deduct from a student’s tuition refund outstanding obligations when the refund is processed. Obligations include past due tuition, bad checks, student loans, traffic fines, library fines, and/or any other overdue obligations.

Late refund requests will be considered only when justified by circumstances such as illness, 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 time period to return books with a full refund for such instances, contact the bookstore.

Refund requests based on non-attendance or unawareness of refund procedures are not considered justifiable.

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

NON-SUFFICIENT FUNDS CHECKS

A check that is returned to ICC due to insufficient funds will result in a $20 service fee charged to the individual’s account.

The College will notify the student to pay the outstanding balance and service fee before submitting the balances to a collection agency.

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.
STUDENT SERVICES AND ORGANIZATIONS

Academic Advisement
Academic Placement Testing
Athletics and Recreational Activities
Bookstore
Career Services
Child Care Centers
Counseling Services
Dental Hygiene Clinic
Economic Development
Enrollment Services
Fitness Center
Food Services
Health Services
Housing
Information Center
Learning Labs
Learning Resource Centers
Office for Access Services
Student Activities
Student Education and Service Ambassadors
Student Employment
Student Insurance
Technology Services (Computer Labs)
Testing Center
Transfer Center
Transportation
TRiO Student Support Services (New World)
Veterans
Academic Advisement

East Peoria Campus • CC200 • (309) 694-5281
ICC North, Cedar Hall • C28 • (309) 690-6893

Academic Advisement services are available to all students attending Illinois Central College. Advisors assist students in planning an appropriate program of study as well as in the selection and scheduling of classes. Advisors provide guidance concerning specific program requirements and serve as a source of information regarding general college requirements and procedures.

Students in a specific curriculum are assigned to a faculty or departmental advisor in that area. Undecided students are assigned to the Advisement and Counseling Services Office for advisement where professional counselors assist students with academic planning and career exploration.

All full-time students are required to obtain academic advisement and must have an advisor’s approval to enroll in twelve or more credit hours. Part-time students are strongly encouraged to seek advisement before enrolling each semester. The student is responsible for initiating contact with his or her advisor. Advisor’s names can be obtained from eServices, departmental offices, or the Advisement and Counseling Services Office, CC200.

Academic Placement Testing

East Peoria Campus • L220 • (309) 694-5234
Downtown Peoria, Perley Bldg • 120 • (309) 999-4500
ICC North, Cedar Hall • C27 • (309) 690-6870
ICC South, Pekin • (309) 353-5088

To help students succeed, the college gives COMPASS math and reading placement tests to learn which classes are most appropriate. Other tests are also used for appropriate placement.

Academic placement testing in reading and math are required of all full-time students. Advisors will evaluate transfer and part-time students on an individual basis to determine testing needs. Study guides are available at the Testing Center or online at www.act.org/compass/sample or www.interactmath.com.

Entrance into Biology 205 is dependent upon successful completion of the Anatomy and Physiology placement test (or successful completion of both CHEM 115 or higher and BIOL 111 or BIOL 160) Study information is available at www.icc.edu/FutureStudents/PlacementTesting.asp.

Other placement tests are available but not required for individuals with background knowledge in Spanish, Music Theory, and Engineering.

For more information call the Testing Center at (309) 694-5234 or visit the ICC website at www.icc.edu/FutureStudents/PlacementTesting.asp.

Athletics & Recreational Activities

In addition to courses in physical education, Illinois Central College offers many opportunities for participating in sports.

INTRAMURALS

ICC’s intramural program provides students an opportunity to compete in a sport or recreational activity suited to their interest and abilities. All sports are co-educational and may include: tennis, disc golf, basketball, flag football, bowling, and volleyball. Intramural sports played each year are based on student input. Contact the Intramural Office, CougarPlex, Room 113, (309) 694-5494.

INTERCOLLEGIATE ATHLETICS

Illinois Central College is a member of the National Junior College Athletic Association for men and women. Students who meet eligibility requirements established by the college and by the NJCAA are encouraged to inquire about participating with the head coach of the appropriate sport. Competition for men includes golf, baseball, basketball, soccer, and cross country. Women’s sports include volleyball, basketball, softball, soccer, and cross country. Individual athletes and teams have successfully represented ICC in state, regional, and national tournaments.

For more information visit the ICC website at www.icc.edu, click the Athletics link, choose the sport(s) of interest to you, click on the “RECRUIT ME!” tab, and submit your completed Recruiting Profile for each individual sport. You may also contact the Athletics Office at (309) 694-5426.

Bookstore

East Peoria Campus • L201 • (309) 694-5207
When Classes are in Session: M-TH 7:30 a.m. - 6:00 p.m.; F 7:30 a.m. - 2 p.m.
www.icc.edu/bookstore

Downtown Peoria, Perley Bldg • 19 • (309) 999-4512
ICC North, Cedar Hall • (309) 690-6804
Hours of operation vary – (Check the ICC web site). Textbooks and supplies may be purchased at either location at the beginning of each semester only for classes offered at that location.

The Illinois Central College Bookstore is located on the East Peoria Campus and carries a variety of textbooks, study aids, school supplies, and art supplies. The Bookstore will special order any book not in stock. A wide selection of college apparel, book bags, and gifts are also available. ICC gift cards are available for purchase in any denomination.
Prior to the start of each semester, students have the opportunity to purchase textbooks online through the Bookstore’s web site. Orders must be prepaid using VISA, MasterCard or Discover. Financial aid, scholarships and grants can also be used as a method of payment to prepay for online orders. Check the Bookstore’s web site for specific dates and more information on online ordering.

All students paying by check, renting a textbook, or using a bookstore charge account will be required to show their ICC student ID. Students can obtain an ID at the Customer Service Desk inside the Bookstore. The first ID is free, and any ID that is lost or stolen will be replaced for a $10 fee.

The Bookstore offers a growing list of textbook rentals that can provide a savings of up to 50%. A list of courses/textbooks currently in the rental program can be found on our web site at www.bookstore.icc.edu, click on Textbook Rentals and Rental List.

Textbooks are pulled by the bookstore staff to ensure every student has the correct books needed for their classes. A copy of your class schedule is required to get your books. Drop off your schedule at the textbook counter, located at the front of the store, and your books will be pulled in a timely manner. You can obtain a copy of your schedule at the kiosk next to the textbook counter.

Full refunds on textbooks are allowed when the textbook meets the return guidelines. The books must be in the same condition as when purchased. Returns require the original cash register receipt. Refer to the back of the receipt or the Bookstore’s website for exact refund dates. Book Buyback takes place during final exam week. Book Buyback is where the Bookstore buys back select textbooks for up to 50% of the retail price. Only books in good condition and those that will be used the following semester at Illinois Central College will be considered for “buyback”. The Bookstore can only buy a limited number of each book. The number is set based on the course enrollment for the next semester the course is offered. Books can be sold to wholesale book companies year-round, either through an online or an in-store database. Buyback, of any kind, is never a guarantee! For more information on buyback, please refer to the bookstore’s website.

Career Services

Discover your interests, abilities, personality preferences, and work values. Career Services has resources to help you make career and educational choices. College credit and non-credit courses, as well as computerized information for career options are available.

Employment Information • Phone (309) 694-5321

Students and graduates seeking full- or part-time employment off campus or on campus are welcome to utilize a full range of services. A detailed brochure of options is available.

Child Care Center

East Peoria Campus • (309) 694-5116

The Child Care Center, located on the East Peoria Campus, provides care and education for students’ children (ages 2-5 years and potty trained) on a full-time, full-day, or hourly basis. Open Monday through Friday, we have standard and reduced rates and also work with students on billing to Child Care Connection, if applicable. Many students also pay for child care through financial aid. The Center has a planned curriculum guided by our experienced and educated teachers, hot lunch, snacks, and a daily rest period. We are nationally accredited (NAEYC) and have a Star Level Three on the Quality Rating System fro IDHS. If you are interested in enrolling your child in the Center, obtain an application from the Child Center Manager. The number of children we can accommodate is limited and parents sign up for the semester.

A Summer Explorers Camp is available for children 6-12 years of age for 10 weeks each summer. Regisration packets will be available each April. Activities include a provided lunch and snacks, gym time, field trips, exciting art and science, computer time, water play and much more!

For information on any of the Child Center’s activities, check out our website at www.icc.edu/childcenter or call (309) 694-5116.

Counseling Services

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

• Professional counseling services are available for students experiencing emotional problems which interfere with their ability to function in an educational environment.  
• Services are completely confidential and available free of charge. A brochure of services is available in CC200.  
• Appointments regarding career planning and skills assessment based on previous education or work experience are available on an individual basis and should be initiated in this office. In addition to individualized services, the Counseling Office offers a full range of small-group experiences, seminars, presentations, and workshops.
SEXUAL ASSAULT RESPONSE TEAM

Illinois Central College has established a Sexual Assault Response Team (SART) to provide emergency and follow-up services to victims of sexual assault within the college community. The team also provides prevention programs to educate students, faculty and staff about topics such as: date rape drugs, personal safety, self-defense and acquaintance rape.

If you want to talk to a member of the SART Team you can call the Counseling Office, (309) 694-5281, Health Services, (309) 694-5475, Campus Safety & Security (309) 694-5223, or the Center for Prevention of Abuse (309) 691-0551. All services offered are completely confidential. The College places the highest priority on protecting the health and safety of everyone in the college community and encourages anyone who has experienced sexual assault to seek assistance.

Dental Hygiene Clinic

Downtown Peoria, Thomas Bldg. • (309) 999-4616

Dental hygiene care is provided at the Thomas Building Dental Hygiene Clinic. This service consists of cleaning, fluoride treatment, x-rays, and instruction in home care for a nominal fee. Appointments can be made for anyone five years of age and older.

Enrollment Services

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

Some services provided by Enrollment Services include:
• Application processing
• Enrollment (adding or dropping classes)
• Evaluation of credits earned at other colleges and universities, or military credits
• Transcripts (providing you, other schools, or businesses an official record of your Illinois Central College courses)
• Graduation evaluation and certification
• Distribution of graduation caps, gowns, diplomas, and diploma covers
• Application for chargebacks to attend another community college if your program of study is not offered at ICC
• Enrollment verification for insurance or loan deferments

STUDENT ACCOUNTING SERVICES

• Process payments (tuition, fees, smart printing, daycare, traffic fines, etc.)
• Third party agency authorization processing
• Account summary billing
• Refund processing
• Cashing checks

Fitness Center

East Peoria Campus • CougarPlex • (309) 694-5419

Students, ICC employees, and community members can improve their strength, endurance, flexibility, and body composition at the fitness center, located in the CougarPlex, on the East Peoria Campus. The fitness center is equipped with free weights, plate loaded machines, selectorize machines, and 60 pieces of cardiovascular equipment. To use the Fitness Center you must purchase a membership, available at the front desk of the CougarPlex or online (http://fitnesscenter.icc.edu). Members will be given an orientation and have full access to the facility. The CougarPlex contains three full courts (tennis, volleyball, basketball), two batting cages, a golf net, and a three-lane walking/jogging track. In addition, the facility includes locker rooms, two group exercise rooms, a lounge, and juice bar.

Food Services

East Peoria Campus Cafeteria• 208D • (309) 694-5206

www.icc.edu/foodServices

Hours – Academic Year: M-TH 7:00 a.m. - 7:00 p.m.
F 7:00 a.m. - 1:30 p.m.

Hours – Summer Semester: M-TH 7:00 a.m. - 6:30 p.m.
F 7:00 a.m. - 1:30 p.m.

Check website for holiday hours

The East Peoria Campus Cafeteria is the main hub of all Food Service operations.

The Cafeteria offers daily entrees, grill items as well as hot and cold deli sandwiches, chips, snack items, desserts, soups and a wide assortment of beverages. Check our web site for a daily menu.

There is a large open seating area or you may walk down the hall to the Tranquility Room (Room 209A for a more quiet atmosphere. For those enjoying the outdoors the back deck offers ample seating in wood-like surroundings (enter from the Tranquility Room or the hallway after Room 211).

Café Breve• East Peoria Campus • Technology Center

Hours – Academic Year: M-TH 7:00 a.m. - 8:00 p.m.
F 7:00 a.m. - 1:00 p.m.

Hours – Summer Semester: M-TH 7:00 a.m. - 7:30 p.m.
CLOSED FRIDAYS

Check website for holiday hours

Café Breve is located in the Technology Center of the East Peoria Campus.
The Breve offers regular or flavored coffee or your choice of Latte's, Mocha's, Cappuccinos, and Smoothies. Also available are snacks, sandwiches and other cold beverages.

Seating is casual with computers available to surf the net while enjoying your drink.

Birchwood Cafe • ICC North • Birchwood Hall
Hours – Academic Year: M-TH 7:30 a.m. - 6:30 p.m.
F 10:00 a.m. - 1:30 p.m.
Hours – Summer Semester: M-TH 7:30 a.m. - 1:30 p.m.
CLOSED FRIDAYS

Check website for holiday hours

Birchwood Cafe is located at ICC North in Birchwood Hall.

The Birchwood Cafe offers regular or flavored coffee or your choice of Latte’s, Mocha’s, Cappuccinos, and Smoothies. Also available are snacks, hot and cold deli sandwiches, chips, snack items, desserts, fried items, and a wide assortment of beverages.

A student lounge area with WIFI is available for seating. There is also an outdoor patio area.

Café Ca$h Good at all Food Services locations.
Simplify paying for your food with CaféCa$h. CaféCa$h lets you pre-pay for cafeteria items using your ICC ID card. You can load money onto your card at any food service location by using cash, personal check, or credit card. When you make a purchase your card is swiped and you receive a receipt showing you the balance left on your card. You can even get a total history of your transactions! You can add money to your card again and again. No need to carry cash or credit cards again to purchase food items!

Health Services

East Peoria Campus • 338C • (309) 694-5481
MEDICAL EMERGENCY: DIAL 5111

Health Services provides no cost, confidential health care needs, including emergency first aid, treatment of minor illnesses, health counseling, and referrals to community resources. Health Services office hours are Monday through Friday, 8:00 a.m. - 4:30 p.m.

Students suffering from chronic illness, such as diabetes, seizure disorder, dizziness or fainting spells, migraine headaches, or severe allergic reactions, should advise Health Services staff. A detailed brochure of other services is available in the Health Services Office.

Birchwood Cafe offers a variety of beverages including regular or flavored coffee, latte, mocha, cappuccino, and smoothie. Snacks and cold beverages are also available. Seating is casual with computers available for surfing the net while enjoying a drink.

Birchwood Cafe • ICC North • Birchwood Hall
Hours – Academic Year: M-TH 7:30 a.m. - 6:30 p.m.
F 10:00 a.m. - 1:30 p.m.
Hours – Summer Semester: M-TH 7:30 a.m. - 1:30 p.m.
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Health Services

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Health Services provides no cost, confidential health care needs, including emergency first aid, treatment of minor illnesses, health counseling, and referrals to community resources. Health Services office hours are Monday through Friday, 8:00 a.m. - 4:30 p.m.

Students suffering from chronic illness, such as diabetes, seizure disorder, dizziness or fainting spells, migraine headaches, or severe allergic reactions, should advise Health Services staff. A detailed brochure of other services is available in the Health Services Office.
system), study skills, and supplemental instruction in specific courses. Labs are open every day that classes are in session. Students can see schedules online on the ICC homepage under the Current Students tab, Academic Support and in Blackboard, Learning Labs. No appointments needed.

**MATHEMATICS LAB • Rm 235A • (309) 694-5222**

The Mathematics Lab provides free tutorial help to math students at all levels. The Math Lab is staffed by both faculty tutors and student tutors willing to help ICC math students on an individual basis. No appointment is necessary. The Math Lab also offers individualized, self-paced courses (MAT 100) in computational mathematics: arithmetic of whole numbers, fractions, decimals, percents, introduction to algebra, and introduction of geometry.

**THE STUDIO**

**East Peoria Campus • 238A • (309) 694-55592**

**ICC North, Cedar Hall • C144 • (309) 690-6809**

The Studio offers writing consultations during all stages of the writing process. Stop by to schedule an appointment. Walk-ins are welcome.

**Learning Resource Centers**

**Library/Audio-Visual**

**East Peoria Campus • L312 • (309) 694-5461**

**Downtown Peoria, Thomas Bldg • 103 • (309) 999-4611**

**ICC North, Cedar Hall • C59 • (309) 690-6837**

Many types of printed learning materials and media are available. Students are encouraged to make full use of the library’s facilities for study, research, leisure reading, class preparation, and browsing. Much of the media is available for students to check out for off campus use; a student ID is required to check out these materials. Professional library assistance is accessible through a variety of ways (in person, via the phone, or online), and detailed information explaining library services and procedures can be found online at http://libguides.icc.edu/libraryservices.

All ICC libraries have networked computer stations (with printing capabilities) for student completion of classroom assignments.

**Audiovisual Materials**

Audiovisual materials are available at all three ICC library locations. Students may check out video recordings, audio recordings, and other audiovisual programs as assigned by their instructors. The instructor should provide the student the call number which identifies the item to listen to or view. Visual materials must be viewed within each particular library. Selected audiotapes for language, music, or other programs of instruction may be checked out for use off campus. A student ID is required to check out and use all programs.

**Office for Access Services**

**East Peoria Campus • L208 (309) 694-5749 • TTY/Video Relay (309) 694-5721**

In accordance with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973, as amended, 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, mental/psychological, sensory, learning and temporary disabilities.

Accommodative services and adaptive equipment are available based on individual student need. Services include sign language interpreting, peer notetaking assistance, adaptive equipment, enlargements or tactile graphing of papers, Braille equipment and translation software, assistance in obtaining alternate formatting of materials, and special testing accommodations for classes. The office provides advisement and consultation to students. Tutoring for ICC students is done through the various tutorial labs on campus – The Studio, Math, and Learning Labs.

Students with disabilities seeking academic accommodations must provide written documentation of their disability from appropriate licensed professionals with recommendations for the types of accommodations needed. It is imperative students meet with the Coordinator of the Office for Access Services in advance to plan access and accommodations for the semester.

Students needing information on accessible parking should contact Campus Safety and Security, East Peoria Campus 103, (309) 694-5223, for details.

The TTY in the Office for Access Services is a dedicated line with an answering machine for added convenience.
TTY Phone Numbers
694-5700 Admissions/Records
694-5223 Campus Safety & Security
694-5475 Health Services
999-4518 Downtown Peoria
694-5721 Office for Access Services

Student Activities
East Peoria Campus • 305B • (309) 694-5201

Campus-wide services provided by Student Activities include New Student Orientation and scheduling of Student Center facilities. Student Activities can also assist with finding student volunteers for campus and community events through the Student Education and Service Ambassadors (SESA) program. This program also provides a co-curricular development transcript service called DETAILS that allows students to maintain a validated record of all non-academic activities and campus involvement while attending ICC.

STUDENT LIFE
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 activities that extend academic learning into real-life applications and experiences. These opportunities include concerts, movies, intramural sports, performing groups, lectures, theater, leadership development, community service, and student organizations.

STUDENT ORGANIZATIONS
Over 50 different student-run organizations operate on campus and provide membership opportunities for students to share common interests, expand educational experiences, and enhance career and leadership development.

All organizations are faculty- or staff-advised, and enjoy full freedom to recruit members from the student body on the basis of scholarship, skills, interest, or other criteria consistent with the purposes and ideals of individual organizations.

Additional organizations are formed according to student interest. Aims, objectives, and activities of the proposed organization must be in compliance with the policies and regulations of Illinois Central College. Contact Student Activities for more information about forming an organization.

Student Education and Service Ambassadors
Students may also participate in short-term or ongoing volunteer service on campus and in the community through the Student Education and Service Ambassadors (SESA) Program. This involvement can be included in the DETAILS transcript by student request. Membership applications are available from Student Activities.

Student Employment Off Campus
See “Career Services” page 327.

Student Employment On Campus
ELIGIBILITY FOR EMPLOYMENT
To be eligible to work as a student employee, students must establish they are not actively seeking full-time employment and must be enrolled at Illinois Central College. To qualify for or remain in the student employment program, students must maintain good academic standing as defined by the College’s Academic Standards Policy (see page 314).

Students must be at least 18 years of age to be eligible for employment in building maintenance, receiving, grounds and vehicle maintenance, food services, public safety, and other jobs normally classified as a service position by the College. In some service areas, students must complete a health screening session in the Health Services Office, 338C, prior to employment. In addition, students will be required to submit driver summary information and satisfy insurability requirements prior to becoming employed in a service position involving operation of College vehicles.

Student employees are protected under State and Federal laws in regard to Equal Employment Opportunities and Sexual Harassment. For more information, phone Human Resources, (309) 694-5720.

Student Insurance
Illinois Central College is not responsible for any medical bills of students who are injured or become ill while attending classes on or off campus. Students are encouraged to purchase health insurance if they are not covered under a spouse, parent, or employer’s health plan. Information on optional health insurance plans can be obtained from Health Services, Room 338C, East Peoria Campus.
Technology Services

COMPUTER LABS
Public and instructional computer labs are located on all four ICC sites. Public computers are located in each of the ICC libraries. Classroom computer labs are scheduled for academic use by the academic departments.

HELP DESK
East Peoria Campus • L122 • (309) 694-5457
Having problems accessing Blackboard, network access or email? Check the website for the ICC Technology Help Desk hours and give us a call. After hours send an email describing your technology problem to icchelpdesk@icc.edu, include your name and telephone number and a staff member will call you back the next business day to assist you. Remember never send private information such as passwords or date of birth in your email.

Testing Center
East Peoria Campus • L220 • (309) 694-5234
Downtown Peoria, Perley Bldg • 120 • (309) 999-4500
ICC North, Cedar Hall • Reg Desk • (309) 690-6870
ICC South, Pekin • (309) 353-5088
Academic placement testing is available at the locations listed above. Credit by examination (CLEP and departmental proficiency exams) are available only at the East Peoria Campus Testing Center. In addition, if a student misses an exam in the classroom the instructor may have the student take a proctored test at the East Peoria Testing Center. All testing is by appointment.

Transfer Center
East Peoria Campus • 303B • (309) 694-5330
The Transfer Center helps students who plan to transfer to a four-year college or university following their education at Illinois Central College. Students may obtain detailed information about transferrable coursework and degree requirements for four-year schools that will assist with planning their academic program at Illinois Central College.

TRiO Student Support Services
East Peoria Campus • L220C • (309) 694-8940
TRiO Student Support Services (formerly New World) provides academic support services, activities, and events for students who meet at least one of the following criteria:
- You are a first-generation college student (neither parent has a bachelor’s degree)
- You qualify for financial aid (as determined by USDE guidelines)
- You have a documented disability

Services available at no cost to students include: academic advisement, financial aid advisement, tutoring, transfer assistance, scholarship opportunities, college visits, cultural enrichment trips, and workshops. TRiO is funded by a grant from the U.S. Department of Education.

The mission of TRiO Student Support Services is to enhance academic, personal, and professional development by increasing the persistence, graduation, and transfer rates of ICC students. Your goal in TRiO is successful completion of a certificate or degree.
Veterans

East Peoria Campus • 304B • (309) 694-5562

Veterans who plan to use veteran benefits while attending Illinois Central College should contact the Veterans Affairs Office. When applying for benefits be sure to bring a copy of your separation papers (DD214) or other documents so we may assist you with the application process.
GENERAL INFORMATION

Student Rights and Responsibilities
Diversity Pledge
Equal Opportunity/Affirmative Action
Feedback to Illinois Central College
Rehabilitation Act of 1973
Tobacco-Free Campus
Maps
Student Rights and Responsibilities
Students have the right to review their educational records and to limit the release of information under the College’s policy on the Confidentiality of Student Records. This policy complies with the Family Educational Rights and Privacy Act of 1974. See page 321 for more information about FERPA and student rights.

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.

Equal Opportunity/Affirmative Action
Illinois Central College is accredited by the Higher Learning Commission of North Central Association of Colleges and Schools. 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, International and Adult Education, Illinois Central College, 1 College Drive, East Peoria, IL 61635, 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.

Provide feedback that is respectful, detailed, and timely and refrain from using profanity, name-calling, or other inappropriate language.

Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act of 1990 (ADA), 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. Inquiries or complaints may be addressed to Human Resources, Illinois Central College, 1 College Drive, East Peoria, Illinois, 61635, (309) 694-5437.

Tobacco-Free Campus
The use of tobacco products, both smoking and smokeless, is prohibited in all College buildings, within all spaces leased by the College and in all College-owned, rented, or leased vehicles. Use of tobacco products is permitted in College parking lots while in a vehicle and in College designated areas. These designated areas are plainly marked.
HANDICAPPED ACCESSIBLE PARKING: License Plate or Placard Required: Lots C, CC, E, F, G, Circle Drive, V, Dirksen

GENERAL PARKING: Lots A, B, F, V, Dirksen

Note: ICC’s road system is based upon one-way traffic traveling counter-clockwise around campus.

Downtown Peoria
Perley Building
115 SW Adams, Peoria, IL 61635-0001

Thomas Building
201 SW Adams, Peoria, IL 61635-0001

For parking information, visit the ICC website: www.icc.edu
ICC North
5407 N. University Street, Peoria, IL 61635-0001
ICC South
Riverway Business Park
225 Hanna Drive, Pekin, IL 61635-0001
WHOS WHO

Faculty

Board of Trustees

Administration
Departmental Administration and Faculty

Agricultural and Industrial Technologies

Dean
Michael Sloan
MS
Illinois State University

Baggett, John
MS
Western Illinois University

Bailey, A. Marc
BS
Southern Illinois University

Branan, Robert
MEd/BSMFE
University of Illinois

Cook, David L.
BS
Ferris State University

Daugherty, Michael
MS
University of Illinois

Domenghini, Cody
PhD
Kansas State University

Fandel, Peter
MS
University of Illinois

Flinn, Steven
MS
University of Southern Mississippi

Fortier, Todd
BA
Eastern Illinois University

Gardner, Jeffrey
Diploma
Nashville Auto Diesel College

Gehrig, Stacy
MS
Eastern Illinois University

Greber, Grant
MS
University of Illinois

Gunther, Robert
BA
University of Illinois - Springfield

Huisenga, Donna
MS
Saint Joseph College

Imm, Trevor
AAS
Illinois Central College

Matthews, R. Mark
AAS
Illinois Central College

Meyer, Joshua
BS
Southern Illinois Univ.-Carbondale

Morgenstern, David
AAS
John A. Logan College

Olson, Dale
AAS
Illinois Central College

Polanin, W. Richard
EdD
University of Illinois

Thomas, Kevin
MS
Southern Illinois Univ.-Carbondale

Weaver, Brian
BS
Ferris State University

Arts and Communication

Dean
Christopher Gray
MA
Illinois State University

Bean, Roger
MS
Illinois State University

Berkley, Robin
MFA
University of Oklahoma

Chianakas, Joseph
MA
North Dakota State University

Clemens, Julie
MMed
Illinois State University

Costa, Jennifer
MFA
East Carolina University

Davis, Eli
MFA
Bradley University

Foster-Campbell, Megan
PhD
University of Illinois

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

Howell, Ronald
MA
Auburn University

Jones, Anthony
MA
Western Illinois University

McMorro, Thomas
BAR
University of Illinois

Newton, Janet
MA
University of Illinois

Kim Roe
MA
Northwestern University

Rusch, Alvin
MA
University of Illinois

Samoylova, Anastasia
MFA
Bradley University

Savolinski, Martin
MFA
University of Notre Dame

Tuccillo, John
MA
University of New Mexico

Business, Hospitality, and Information Systems

Dean
Gina McConoughey
EdD
Illinois State University

Ashwood, Susan
AGS
Spoon River College

Dewey, Pamela
MED
Northern Illinois University

Dewey, Pamela
MBA
University of Illinois-Springfield

DuBois, Mark
MA
University of Kansas

Grooper, Clara
MED
University of Illinois

Hawthorne, Kimberly
MSE
Illinois State University

English, Social Science, and Language Studies

Dean Social Science and Language Studies
Jill Wright
PhD
Southern Illinois Univ.-Carbondale

Abplanalp, Edward
PhD
University of Nebraska-Lincoln

Ahles, Paula
PhD
Arizona State University

Birky, Lois
MA
Bradley University

Busch, Nicholas
MS
The Ohio State University

Meyer, Joshua
BS
Southern Illinois Univ.-Carbondale

Morgenstern, David
AAS
John A. Logan College

Olson, Dale
AAS
Illinois Central College

Polanin, W. Richard
EdD
University of Illinois

Thomas, Kevin
MS
Southern Illinois Univ.-Carbondale

Weaver, Brian
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University of Oklahoma

Chianakas, Joseph
MA
North Dakota State University

Clemens, Julie
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Illinois State University

Costa, Jennifer
MFA
East Carolina University

Davis, Eli
MFA
Bradley University

Foster-Campbell, Megan
PhD
University of Illinois

Goken, M. Brent
MA
Eastern Illinois University

Hale, Gary
MA
Southern Illinois Univ.-Carbondale

Harms, Lawrence
MM
Illinois State University

Hedemann, Debra
MS
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**Public Services and Community Outreach**

*Dean*

- Kay Sutton
- MEd
- University of Illinois
- Graff, G. Nicholas
- MS
- University of Illinois-Springfield
- Higgins, Thomas
- JD
- John Marshall Law School

- Huff, Judy
- MA
- Bradley University
- White, Earl Anthony
- PhD
- Capella University

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- Mike Dant, Vice President

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- MS, University of Illinois-Springfield

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  - MA, Bradley University
- Financial Assistance
  - Beth McClain, Director
  - MBA, University of Illinois-Springfield
- Technology Services
  - Susan Wheeler, Senior Director
  - EdD, Illinois State University
- Enrollment Services and Student Life
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  - MS, Illinois State University
- Virtual Campus/Online Learning
  - Patrice Hess, Associate Dean
  - EdD, Illinois State University
- Instructional Innovation and Learning Resources
  - Janice Kinsinger, Associate Dean
  - MA, Bradley University
- Campus Safety & Security
  - Tom Larson, Police Chief
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Explanation of terms

ACADEMIC ADVISOR – faculty member or counselor assigned to help students select courses and plan their educational programs.

ASSOCIATE DEAN – person responsible for the administration of an academic department or academic support department. Includes the Associate Deans for: English; Instructional Innovation and Learning Resources; and Online Learning.

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 OF ACHIEVEMENT – 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 – booklet printed fall, spring, and summer semesters listing courses offered, time of day, day of week, location, cost, refund dates, withdrawal dates, and instructor.

COMMUNITY EDUCATION – non-credit 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 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).

CURRICULUM – a group of courses making up an area of specialization.

DEAN – person responsible for the administration of a unit usually consisting of several departments or areas.

DEPARTMENT – an administrative unit of an academic division, giving instruction in a particular subject or group of subjects, such as Social Sciences Department.


DIVERSITY PLEDGE – statement of ICC’s commitment to diversity in all its dimensions.

DROPPING A COURSE – If you’re 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 the Admissions/Records Office or drop in eServices online. Be sure to check Class Schedule for details and deadlines.

DUAL-CREDIT CLASSES – college credit courses offered to high school junior and senior students by master’s degree level instructors meeting both secondary and college-level certification.

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.

GENERAL EDUCATION GOALS – general statements about knowledge, skills, attitudes, and behaviors expected in graduates.

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.

MAJOR – primary area of concentration of studies chosen by a student requiring completion of a combination of required and elective courses such as Engineering or International Business. Also called curriculum.

MINIMESTER – a typical 16-week credit class accelerated to be completed in approximately 11 days by attending class approximately 6 hours each day.

NON-CREDIT 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 our East Peoria or Peoria locations

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 the Student Service Center, Room L211.

TUITION – cost of one semester hour multiplied by the number of semester hours in which enrolled. ($106.50 x 3 semester hours = $319.50 tuition for the average course)

WEB CLASSES (www) – refer to online classes