Contents

General College Information ........................................... 1
Academic Policies and Procedures ..................................... 5
Student Policies and Procedures ....................................... 11
Tuition ............................................................................. 17
Financial Assistance ........................................................... 21
Academic Requirements ..................................................... 25
Programs/Areas of Study .................................................. 37
  Applied Science Degree and Certificate ............................ 43
  Associate in General Studies ............................................. 173
  Associate in Arts/Associate in Science .............................. 175
  Associate in Engineering Science ..................................... 233
Course Descriptions ......................................................... 235
Special Programs/Classes .................................................. 307
Student Services and Organizations ..................................... 309
Who’s Who ..................................................................... 317
Maps .............................................................................. 321
Index ............................................................................... 325
Explanation of Terms .......................................................... 328

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

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.

Academic Calendar

Summer 2015
Classes Begin ................................................................. June 1
Holiday (College closed) .................................................. July 3
Last Day of Classes ......................................................... July 21
Final Exams ................................................................. July 22-24

Fall 2015
Classes Begin ................................................................. August 17
Labor Day (College closed) ............................................... September 7
Midterm ................................................................. October 9
2nd 8-Week Classes Begin .............................................. October 12
Thanksgiving Break Begins ............................................. November 23
Classes Resume ......................................................... November 30 (6 am)
Last Day of Classes ...................................................... December 7
Final Exams ................................................................. December 8-14

Spring 2016
Classes Begin ................................................................. January 19
Midterm ................................................................. March 11
2nd 8-Week Classes Begin .............................................. March 14
Spring Break Begins (no classes) .................................... March 21
Classes Resume ......................................................... March 28 (6 am)
Last Day of Classes ...................................................... May 9
Final Exams ................................................................. May 10-16
Graduation ................................................................. May 14
Holiday (College closed) ................................................ May 30

Weekend College meets all weekends except Nov. 27-29 and March 25-27.

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 Provost, (309) 694-5784, or email academicaffairs@icc.edu.
General College Information

History ........................................................................................................... 2
Philosophy/Core Values ................................................................. 2
Vision ......................................................................................................... 2
Mission ....................................................................................................... 2
Diversity Pledge ................................................................................... 2
Understanding Accrediation ......................................................... 2
Equal Opportunity/Affirmative Action ........................................... 3
Feedback to Illinois Central College .............................................. 3
Rehabilitation Act and American with Disabilities Act .......... 3
Tobacco-Free Campus ................................................................. 3
Weapons and Firearms Policy ......................................................... 3
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 2008, ICC developed a fourth site, ICC Pekin, at the Riverway Business Park, 225 Hanna Drive.

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

Philosophy/Core Values
Founded as a comprehensive community college in 1966 in response to the Illinois Master Plan for Higher Education, Illinois Central College was established to meet the post-secondary needs of the citizens of the District and to supplement the area schools and four-year colleges. The College was formed on the belief that individuals have worth and dignity in their own right and should be educated to the fullest extent of their abilities and motivation. Education of each citizen creates a better community for all. The College strives to provide quality education appropriate to each individual’s needs within the bounds of fiscal responsibility. Illinois Central College is committed to non-discrimination and equal opportunity regardless of age, race, gender, ethnicity, religion, or physical capability. We believe that by representing the diversity of our district, we enrich the learning experience and create a broader and better understanding of our global community. In support of building this learning environment, we are dedicated to being a leader in recruiting, retaining, and promoting a diverse group of students, faculty, and staff.

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

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

Mission
The mission of the College is expressed in these sentences:

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

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

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

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

In the United States, accreditation is carried out by private, nonprofit organizations designed for this specific purpose. External quality review of higher education is a nongovernmental enterprise.
There are two types of educational accreditation: institutional and specialized.

REGIONAL (INSTITUTIONAL) ACCREDITATION
Institutional 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 Commission, New England Association, Higher Learning Commission, Southern Association, Western Association for Community and Junior Colleges, Western Association for Senior Colleges and Universities). The regional associations are independent of one another, but they cooperate extensively and acknowledge one another’s accreditation. Several national associations focus on particular kinds of institutions (for example, trade and technical colleges, 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 (hlcommission.org).

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

Accrediting Agencies
• National Automotive Technicians Education Foundation
• Association of Leaders in Equipment Distribution Foundation
• American Bar Association Standing Committee on Paralegals Approval Commission
• National Association of Schools of Music
• National Accrediting Agency for Clinical Laboratory Sciences
• Commission on Dental Accreditation
• Commission on Accreditation of Allied Health Education Programs
• National League for Nursing Accrediting Commission
• Illinois Board of Nursing
• Illinois Department of Public Health
• Accreditation Council for Occupational Therapy Education
• Commission for Accreditation in Physical Therapy Education
• Joint Review Committee on Education in Radiologic Technology
• Commission on Accreditation for Respiratory Care

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

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

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.quiries or complaints may be addressed to Human Resources, Illinois Central College, 1 College Drive, East Peoria, Illinois, 61635, (309) 694-5437.

Smoke Free/Tobacco Free Campus
Illinois Central College complies with state law that requires college campuses to be smoke free/tobacco free. Smoke free/ tobacco free means the use of tobacco or related products (herbal substitutes and electronic cigarettes, for example) will not be allowed anywhere on campus, including parking lots. For more information, visit icc.edu/smokefree.

Weapons and Firearms Policy
Illinois Central College continues to be committed to providing a safe and secure environment for its employees, students and guests. In accordance with the Board of Trustees’ authority and the 2013 Illinois Firearm Concealed Carry Act, ICC’s Weapons on Campus and Firearm Concealed Carry Policy was adopted on January 16, 2014, to assert the College’s weapons and firearms-free status at all campus locations and on any sites where ICC programs, activities and classes are held. This policy applies to all employees, students, persons conducting business and campus visitors. It prohibits the possession of a weapon or firearm on property owned, leased or controlled by ICC (including parking areas, sidewalks and common areas), even if that person has a valid federal or state license to possess a weapon or firearm. “Weapons and firearms” includes, but is not limited to, loaded or unloaded handguns, any device which shoots a bullet, pellet, flare or any other projectile, knives or any explosive device.

Exceptions to the policy: 1) Students carrying a weapon or firearm used in connection with a weapons safety course approved and authorized by ICC; 2) Law enforcement officers (including off-duty and retired officers) carrying a weapon as a condition of their employment and who have maintained proper training and licensing for possession of a weapon; and 3) Concealed carry licensees transporting a firearm into an unrestricted parking area within a vehicle if the firearm and its ammunition remain locked in a case out of plain view within the parked vehicle. The firearm must be unloaded before removal from the vehicle for the limited purpose of storage or retrieval in the trunk. Re-loading the firearm is prohibited on ICC property.

Violations of this policy may result in possible arrest or prosecution. For complete details of ICC’s Weapons on Campus and Firearm Concealed Carry Policy, including definitions of prohibited devices and exceptions, visit icc.edu/firearm-policy.
# Academic Policies and Procedures

<table>
<thead>
<tr>
<th>Academic Policies and Procedures</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Honors</td>
<td>6</td>
</tr>
<tr>
<td>Academic Misconduct</td>
<td>6</td>
</tr>
<tr>
<td>Academic Standards</td>
<td>7</td>
</tr>
<tr>
<td>Audit of Courses</td>
<td>7</td>
</tr>
<tr>
<td>Class Attendance</td>
<td>7</td>
</tr>
<tr>
<td>Grade Exclusion Policy</td>
<td>7</td>
</tr>
<tr>
<td>Grade Point Average</td>
<td>8</td>
</tr>
<tr>
<td>Grading System</td>
<td>8</td>
</tr>
<tr>
<td>Transcript Requests</td>
<td>9</td>
</tr>
<tr>
<td>Intercollegiate Competition</td>
<td>9</td>
</tr>
<tr>
<td>Educational Rights and Responsibilities</td>
<td>9</td>
</tr>
<tr>
<td>Educational Guarantees</td>
<td>9</td>
</tr>
<tr>
<td>Student Rights and Responsibilities</td>
<td>10</td>
</tr>
</tbody>
</table>
Academic Honors
Full-time students who have completed 12 credit hours and have achieved a 4.00 grade point average (GPA) in a given semester are named to the President’s 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 credit hours 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.

Effective Spring 2015* students will be accorded honors at the point of graduation as follows:

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

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

(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 aids during the examination are clear acts of academic dishonesty. It is also academically dishonest to knowingly aid another student in performing an act of academic dishonesty. Thus, in cases of inappropriate collusion on academic work, the provider of inappropriately used material is guilty of academic dishonesty, as well as the actual perpetrator.

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

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

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

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

PROCEDURES FOR ADDRESSING ACADEMIC MISCONDUCT

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

Step 1: Faculty-Student Conference
The faculty member will inform the student privately of his/her findings and attempt a resolution of the problem. The associate dean, teaching chair, program director, or designee may be present in this conference if necessary. If the student refuses to attend the conference, the student may forfeit the opportunity for an appeal. Depending on the nature of the situation and the documented proof available, such resolution could include disciplinary sanctions, a failing grade for the assignment, or a failing grade for the course. The faculty member will provide the student the opportunity to address the findings. The faculty member will notify the student of his/her decision and will file the Academic Misconduct forms with the respective division and the Vice President of Student Services office.

Step 2: Appeal Process
If a student is not satisfied with the instructor’s decision, he/she may contact the dean of the department within 10 business days of the decision. The dean will review the information and will meet with the faculty member and then with the student to attempt to resolve the issue. If the student is not satisfied with the result of the appeal, he/she may petition the Academic Standards Committee for a review of the case. This appeal must be requested through the Vice President of Student Services Office in writing within 10 business days of the appeal decision from the dean. The decision of the Academic Standards Committee is final.

Step 3: Documentation of the Incident
All cases of Academic Misconduct are noted in a student’s disciplinary file. This information is released in accordance with the Federal Educational Rights and Privacy Act (FERPA) and is not noted on the academic transcript. In situations where a second Academic Misconduct report is filed, the student will be charged with an alleged violation of the Student Code of Conduct. Code of Conduct violations are addressed through the Dean of Students and could include sanctions up to and including expulsion from the College.

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

**Academic Standards**

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

**Academic Caution**

The purpose of academic caution is to alert students that their grades do not meet minimum requirements. A second and equally important purpose is to provide students an opportunity to plan corrective actions, which will hopefully lead to a more successful academic career. A student who has been placed on Academic Caution IS REQUIRED to seek academic advisement assistance by the end of the first week of classes in the term they have been placed in this status. Information regarding academic advisement services is available in the Advisement and Counseling Services Office, located in the Leitch Career Center. Students on Academic Caution are restricted to a maximum enrollment of 13.99 credit hours. If a student’s cumulative grade point average does not raise above a 2.000 within one semester, the student will be placed on academic pre-suspension.

**Academic Pre-Suspension**

Students on Academic Pre-suspension are required to enroll in ORIEN 099 or ORIEN 110 to help increase college preparedness. Successful completion of these courses is required in order for a student to remain off of Academic Suspension. In addition to the above stipulations, students must also meet with an advisor prior to registration and at least two other times during the semester. Failure to attend required meetings with an advisor will block future enrollment until the requirement is met. If a student on Academic Pre-suspension fails to meet the grade point standards after the above measures have been completed, the student will be placed on Academic Suspension. Note: If a student has already completed ORIEN 099 or 110 they are required to do 5 study hours per week in a College learning facility.

**Academic Suspension**

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

**Readmission**

- If a suspended student is re-admitted to the College and their semester grade point average fails to meet the 2.000 requirement, the student will be suspended from Illinois Central College for one academic year.

- If a student does not enroll for 5 or more years they may appeal through the Dean of Students office to enroll in additional credit hours, regardless of their Academic Standing.

**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 program s 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. Following re-admission, the student must complete a minimum of 15 approved consecutive credit hours in graded college level courses (110 or above) with no grades of “D” or “F” or a GPA of at least 2.00 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.

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

Application forms for grade exclusion may be obtained and submitted to any Enrollment Services office. All graduation items are processed through the East Peoria Enrollment Services office, 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. An example is shown below:

<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 at the East Peoria Campus, L211, (309) 694-5581.

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

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 Per Credit Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Superior</td>
<td>4.00</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.00</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2.00</td>
</tr>
<tr>
<td>D</td>
<td>Poor</td>
<td>1.00</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0.00</td>
</tr>
<tr>
<td>FA</td>
<td>Attendance Failing</td>
<td>0.00</td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawal Failing</td>
<td>0.00</td>
</tr>
<tr>
<td>FX</td>
<td>Grade Excluded</td>
<td>No grade point</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>No grade point</td>
</tr>
<tr>
<td>S</td>
<td>Successful</td>
<td>No grade point</td>
</tr>
<tr>
<td>U</td>
<td>Unsuccessful</td>
<td>No grade point</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td>No grade point</td>
</tr>
<tr>
<td>NG</td>
<td>No Grade</td>
<td>No grade point</td>
</tr>
<tr>
<td>NR</td>
<td>Not reported by instructor</td>
<td>No grade point</td>
</tr>
<tr>
<td>FA</td>
<td>The student has attended the midterm of the class then ceases to attend for the duration of the term. The FA grade factors into the grade point average as a failing grade. To avoid the FA grade, students must officially withdraw.</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>
</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>
</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>
</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>
</tr>
<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>
</tr>
<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>
</tr>
<tr>
<td>NR</td>
<td>No grade reported by instructor.</td>
<td></td>
</tr>
</tbody>
</table>
Transcript Requests

East Peoria Campus • L211 • (309) 694-5609
Thomas Building, Downtown Peoria • (309) 999-4500
Cedar Hall, ICC North • (309) 690-6870
ICC Pekin • (309) 642-6601

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

Official transcripts can be requested online at (icc.edu/transcripts) and cost $3 per transcript.

Online requests are the most time efficient and cost effective,
however paper requests can be submitted by mail or at any
Enrollment Services office on all ICC campuses and cost $5 per transcript. In situations where a transcript is necessary for immedi-
ate use, one may be provided within an hour for a $10 per copy fee. This service is available 8:30 am-3:00 pm Monday through
Friday at Enrollment Services, L211, East Peoria Campus only.

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

Unofficial copies of transcripts can be obtained online at 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 Learning and Engagement Office,
305B, phone (309) 694-5201.
*Development of Excellence Through Activities and Involvement in Leadership and Service

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 Services. The minimum
number of credit hours in which a student must be enrolled is
determined by the organization governing the competition.

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 6.

Students are responsible for knowing and abiding by all College
regulations, together with federal, state, and local laws. These are
enforced by appropriate civil, state, or College authorities. If students
are in doubt about any particular matter, they should consult the Vice
President of Student Services, East Peoria Campus, Room L221.

Educational Guarantees

Illinois Central College guarantees the mastery of entry-level
technical skills in Associate in Applied Science Degree and
Occupational Certificate programs, and guarantees the transfer
courses toward the credit-hour requirements for a bachelor
degree at a four-year institution. If judged by an employer to be
lacking in technical skills, a graduate shall be provided a maximum
of nine credit hours of additional skill training at Illinois Central
College without tuition charge. If a course does not fulfill the
transfer guarantee, the student may receive either a tuition refund
for that course, or tuition-free enrollment in a course to correct
the deficiency. This policy became effective for students enrolling
in the fall of 1993 and subsequent semesters. Although tuition for
approved courses will be waived, the student is responsible for
any other costs associated with taking the courses. Listed at right
are the conditions for these guarantees. Contact the Academic
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 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. Information about Student Rights and Responsibilities, as well as the Student Code of Conduct, can be found in the Student Handbook.
Student Policies and Procedures

Residency Requirements ................................................... 12
Underage Student Enrollment ............................................ 13
International Students ...................................................... 13
Evaluation of Transfer Credit .............................................. 13
Credit for Prior Learning ..................................................... 13
Credit for Service in the Armed Forces .............................. 14
Senior Citizens ................................................................. 14
Enrollment Procedure ........................................................ 14
Enrolling in Classes ........................................................... 14
Student Status ................................................................. 15
Maximum Load .................................................................. 15
Withdrawal from Classes ................................................... 15
Repeating Classes ............................................................. 15
Credit Hour ........................................................................ 16
Cancellation of Classes ....................................................... 16
Chargebacks ...................................................................... 16
Inter-district Cooperative Educational Agreements .......... 16
High School Inter-district Agreements .............................. 16
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.

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

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, (309) 694-5354.

Illinois Central College #514
District Map

ICC District – city/town plus zipcode

<table>
<thead>
<tr>
<th>City</th>
<th>Zipcode</th>
<th>Notes</th>
<th>Notes</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alta</td>
<td>61615</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armington</td>
<td>61721</td>
<td>El Paso*</td>
<td>La Rose*</td>
<td>Peoria Heights</td>
</tr>
<tr>
<td>Bartonville</td>
<td>61607</td>
<td>Elmwood</td>
<td>Lacon</td>
<td>Pekin</td>
</tr>
<tr>
<td>Benson</td>
<td>61516</td>
<td>Eureka</td>
<td>Laura</td>
<td>Rome*</td>
</tr>
<tr>
<td>Bradford</td>
<td>61421</td>
<td>Farmington*</td>
<td>Loverpoint</td>
<td>San Jose</td>
</tr>
<tr>
<td>Brimfield</td>
<td>61517, 61518</td>
<td>Flanagan*</td>
<td>Mackinaw</td>
<td>Seeor</td>
</tr>
<tr>
<td>Camp Grove</td>
<td>61424</td>
<td>Forest City</td>
<td>Manito</td>
<td>South Pekin</td>
</tr>
<tr>
<td>Carlux</td>
<td>61725</td>
<td>Glasford</td>
<td>Mapleton</td>
<td>Sarpland</td>
</tr>
<tr>
<td>Carlock</td>
<td>61726</td>
<td>Goodfield*</td>
<td>Metamora</td>
<td>Speer</td>
</tr>
<tr>
<td>Chillicothe</td>
<td>61523</td>
<td>Green Valley*</td>
<td>Minier*</td>
<td>Tolula</td>
</tr>
<tr>
<td>Congerville</td>
<td>61729</td>
<td>Gridley*</td>
<td>Monken</td>
<td>Toison*</td>
</tr>
<tr>
<td>Creve Coeur</td>
<td>61610</td>
<td>Groveland</td>
<td>Morton</td>
<td>Tremont</td>
</tr>
<tr>
<td>Danvers</td>
<td>61732</td>
<td>Hanna City</td>
<td>Moshville</td>
<td>Trivoli</td>
</tr>
<tr>
<td>Deer Creek</td>
<td>61733</td>
<td>Henry</td>
<td>Peelin</td>
<td>Varna*</td>
</tr>
<tr>
<td>Delavan</td>
<td>61734</td>
<td>Hopedale*</td>
<td>Peoria</td>
<td>Washburn</td>
</tr>
<tr>
<td>Dunlap</td>
<td>61535</td>
<td>Hopewell</td>
<td>04, 05, 06, 07</td>
<td>Washington</td>
</tr>
<tr>
<td>East Peoria</td>
<td>61611, 61635</td>
<td>Kiskapoo</td>
<td>12, 13, 14, 15</td>
<td>Wenona*</td>
</tr>
<tr>
<td>Edelstein</td>
<td>61526</td>
<td>Kingston Mines</td>
<td>53, 54, 55, 56</td>
<td>West Pekin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wyoming*</td>
</tr>
</tbody>
</table>

* schools adjacent to district
Underage Student Enrollment

Students under the age of 16 who wish to enroll in any courses (including dual credit courses) must petition the Vice President of Student Services. Students will be asked to complete the appeal form, have completed the Compass tests, provide a transcript including all completed coursework from the current school, and provide additional information as indicated on the form. Once the documentation is provided, an appointment can be made by calling the Vice President of Student Services at (309) 694-8971.

PROCESS:

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

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

The face-to-face meeting will discuss issues including course content, course modality, academic rigor, FERPA, safety and legal issues, and other important aspects regarding underage enrollment. Students must also provide a letter from the school principal or other designated official that indicates their recommendation or support of the student for college-level coursework. If the enrollment is approved by all parties involved, the student will be allowed to enroll in the course.

DUAL-ENROLLMENT/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.

Potential high school dual credit students who successfully complete admission requirements may enroll in courses, despite high school grade level or age. The dual credit students receive high school and college credit at the same time. For more information, 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.

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 credit 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.

Evaluation of Transfer Credit

Students pursuing a degree or certificate at ICC who are interested in receiving credit from college level coursework taken from another institution should have their official transcripts sent directly to Illinois Central College as early as possible for evaluation. Once ICC receives an official transcript(s) it is 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.

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 314)
- Advanced placement exams (see Testing Center, page 314)
- Dual credit (see page 308)
- Transfer credit (see page 13)
- Departmental proficiency exams (see Testing Center, page 314)

**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 credit hours of physical education and two credit 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).

To ensure maximum veteran education benefits, please contact the ICC Veterans Affairs at (309)694-5562 or in Room 305B on the East Peoria campus.

**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.

**Enrollment Procedure**

New students enrolling at ICC need to complete the following:
1. Fill out an admission form, available online (icc.edu) or you can complete a paper copy available at Enrollment Services on all campuses.
2. Send all high school and college/university transcripts and ACT scores. All transcripts and test scores need to be official copies sent directly to ICC (see address below) from the institution.
3. Take the academic placement tests. You can schedule a testing appointment online (icc.edu/testingcenter). Note: If you have completed appropriate college level coursework and/or taken the ACT exam, you may not need to take a placement test. See Pre-Requisite Requirements for IAI General Education Course for details. Contact Enrollment Services if you have questions.

4. Apply for Financial Assistance. Fill out your FAFSA, Free Application for Federal Student Aid online (fafsa.ed.gov). You must enter ICC’s school code #006753 for your information to be processed by ICC. If you have any questions, please contact the financial assistance office at (309) 694-5311 or email financialaid@icc.edu.

5. Apply for an ICC scholarship. Fill out an online application between January 15 and April 1 for the upcoming fall semester. The application can be found at icc.edu/scholarships.

6. Make an appointment to meet with your academic advisor. Your academic advisor’s name and contact information is listed within your welcome email and letter that you received upon completing your admission form as well as in your eServices account. The general advising department (for undecided programs of study) can be reached at (309) 694-5281.

7. Enroll in classes you have selected with your academic advisor. You can enroll online through your eServices account or at an Enrollment Services office on any campus.

8. Make financial arrangements for your tuition. Tuition payments should be on time and can be made in person by cash, check or credit card. You may also use your ICC eServices account to pay tuition online or to set up a payment plan. The due date for your tuition can be found in your eServices account. ICC no longer sends paper bills to students through the mail. You will be notified through your ICC student email anytime there is a change in your account. For more information on how to access your ICC student email, please visit icc.edu, select eServices, and then select “email basics”.

9. Attend New Student Orientation. To reserve your space at your date of choice, go to (icc.edu/students/new-student-orientation) or call (309) 694-5560. Former ICC students must complete a new admission form if the last class you took was five or more years ago.

All enrollment materials should be sent to:
Illinois Central College
Enrollment Services, L211
1 College Drive
East Peoria, IL 61635-0001

**Enrolling in Classes**

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

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

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 “Request for Late Withdrawal Grades,” in the Student Handbook.

WITHDRAWAL FOR NON-ATTENDANCE

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

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

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

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

Repeating Classes

Students may repeat a class attempted at this institution for which they received a grade. Repeating of program specific courses may require department approval prior to student continuing in program of study. If a student retakes a class, all grades will remain on the transcript, but only the highest grade will be calculated in the Illinois Central College cumulative grade point average. Students receiving financial assistance should refer to the Repeated Coursework section on page 23 to determine how repeats will affect their eligibility. Questions regarding repeating classes should be directed to Enrollment Services, East Peoria Campus, L211.

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

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

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

The agreement works in two ways:
• A District 514 student can enroll in a program of study not offered by Illinois Central College but is offered by another Illinois community college.
• A student that resides within the State of Illinois but outside District 514 can enroll at ICC in a program of study that not offered by their home community college district.

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

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

For more information on the chargeback agreement, please contact ICC Enrollment Services, Room L211 on the East Peoria Campus, or by phone at (309) 694-5354.

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 (program) 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 online at icc.edu/admissions/enrollment/enrollment-forms.

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 Community College
- John Wood Community College
- Joliet Junior College
- Kankakee Community College
- Kaskaskia College
- Kishwaukee Community College
- Lake Land College
- Lake Land College
- McHenry County College
- Morton College
- Prairie State 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 about the Cooperative Agreement, contact Illinois Central College Enrollment Services, Room L211, phone (309) 694-5354.

High School Inter-district 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 Agreement.

The High School Inter-district Agreement works to provide in-district 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)
- Farmington District #265 (graduated since 2005)
- Fieldcrest District #6 (graduated since 2005)
- Flanagan-Cornell District #74 (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 about the High School Inter-District Agreement contact Illinois Central College Enrollment Services, Room L211, (309) 694-5354.
Tuition

Tuition Due Dates .............................................................. 18
Cost Per Credit Hour .......................................................... 18
Tuition Payment Options .................................................... 18
Tuition and Financial Aid Refunds ................................. 18
IRS Form 1098-T ............................................................... 19
Dropping Classes/Refunds ................................................. 19
Tuition Appeals ................................................................. 19
Additional Fees ................................................................. 19
Tuition Due Dates

Tuition is due according to dates published in the current Class Schedule. Due dates for each semester can also be viewed at icc.edu/admissions/paying-for-college/tuition-due-dates. Financial arrangements must be made by the due date to ensure you remain registered for your classes. District chargebacks, inter-district cooperative agreements or agency authorizations must be received by the tuition due date to ensure your account balance is adjusted or you will be responsible for the full tuition amount due by the due date. These authorizations may be submitted to Enrollment Services, Room L210, on the East Peoria campus. Illinois Central College reserves the right to change tuition without notice and to assess additional charges associated with administration, collection fees and any other charges incurred by the College in resolving unpaid balances. Any and all means necessary to collect on unpaid balances will be used by ICC.

Cost Per Credit Hour  Effective Fall Semester 2015

per credit hour

$135  ICC district residents
AND  Out-of-district, Illinois residents* authorized by their Community College for partial payment
AND  Web classes for district and out-of-district residents

$290  Out-of-district, Illinois residents* NOT authorized by their Community College for partial payment

$335  Out-of-state residents and International Students

varied  Community Education activities and Professional Development Institute (costs associated with class)

free  ICC district residents 65 and older, credit classes only (not including fees)

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

Tuition Payment Options

ICC no longer sends paper bills to students through the mail. You will be notified through your ICC student email address at any time there is a charge for a prior term within the same academic year. If you are NOT the cardholder, you will need to bring a letter from the cardholder authorizing you to use the credit card. If you don’t bring the letter, we cannot accept the payment.

- Electronic bank transfers (E-checks) are accepted online ONLY.

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

ONLINE PAYMENT PLANS

ICC offers you several ways to pay your College bill, based on when you register for your classes. All online payment transactions are set up using your eServices account. For more information on how to make online payments and set up a payment plan, visit icc.edu/admissions/paying-for-college. To set up a payment plan, you must have at least 3 credit hours of tuition charges due on your account. (For example, if tuition is $115/credit hour, then you need at least $345.00 in charges on your account to use the electronic payment plan.) The online credit card or electronic bank transfer payment allows you to make immediate payment through your eServices account. The free payment plans offered by ICC create regular automatic electronic payments for you. A down payment is due on all payment plans, but the due date for the down payment varies depending on the plan selection. The earlier you enroll in classes and in a payment plan, the longer you have to pay and the smaller your monthly payments will be for the semester. You may submit your payment one of two ways: 1) Electronic bank transfer—payment(s) automatically deducted from either your checking or savings account if it is an ACH transferable account. – OR – 2) Credit Card Option—automatic payment(s) will be charged to a Visa, MasterCard or Discover card. (PLEASE NOTE: You can only pay for ICC 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 on the due date of the installment.

For more information on tuition payment options, please contact or visit Enrollment Services, Room L211, on the East Peoria campus or call (309) 694-5600.

Tuition and Financial Aid Refunds

To ensure timely and accurate delivery of your refund monies, ICC offers eRefund services to students. To take advantage of this service, you must set up an eRefund account through your eServices account. Select the “make a payment and direct deposit refund setup” link. You can find detailed instructions on setting up this account by checking out the video at icc.edu/financialaid.

It is the policy of ICC to deduct from a student’s refund any outstanding obligation when the refund is processed. Obligations include, but are not limited to, tuition, NSF checks, institutional emergency loans, traffic fines, library fines, etc. By law, ICC is allowed to use financial aid refund dollars to pay any outstanding obligation for tuition and fees for a prior term within the same academic year but only $200 can be used to pay an obligation from a previous academic year. It is the student’s responsibility to ensure any remaining balance is paid in full or future services (registration, transcripts, etc.) will be withheld from the student. Financial aid refund checks not cashed within 60 days will be cancelled and the funds will be returned back to the Federal Student Aid program.

All authorized refunds, including those for canceled classes, will be processed approximately the fourth week of classes.
IRS Form 1098-T
As a college student, you (or your parents or guardians) may be eligible for a tax credit for tuition expenses. To assist you, ICC provides the IRS Form 1098-T to students and reports qualified tuition and fees that were billed during the calendar year, rather than the amount that was paid. In general, qualified tuition and fees are considered to be billed when you register for the classes. It is the student's responsibility to ensure ICC has the correct Social Security Number of Taxpayer Identification Number (TIN) on record for tax reporting purposes. If you would like to receive the Form 1098-T with your TIN information, you are required to submit an IRS Form W-9S informing ICC of your TIN for reporting purposes. Please visit irs.gov to obtain the PDF version of IRS Form W-9S. This form must be submitted to Enrollment Services, Room, L211, on the East Peoria Campus.

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

HOPE Scholarship and Lifetime Learning are tuition tax credits that may be available to you if you qualify. Please check with the IRS or your tax preparer for additional information on the tax credit. ICC does not provide tax advice regarding tuition tax credits.

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

For more information and for instructions on how to officially withdraw from a course, refer to the “Withdrawal from Classes” section found on page 15. Other attempts to withdraw are not considered official and will not be honored for a refund. A student will be held financially responsible for tuition and fees for all classes not officially dropped by the refund date.

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

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

All tuition appeals must be submitted by the last business day of the month following the term for which the student is appealing the tuition.

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

Additional Fees
Collection Fee $50 per account balance submission
Late Payment $10 each month until paid in full or submitted to collections
Plan Installment
NSF Check $20 per check or E-check
Online Transcript Request $3 per request
Walk-in and Mailed Transcript Request $5 per request
“While-you-wait” Transcript Request $10 per request
Application for Degree $15 nonrefundable fee
(Graduation) ($25 additional fee for a late application)
Financial Assistance

Financial Assistance .......................................................... 22
Scholarships ...................................................................... 24
Special Academic Services .................................................. 24
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 the Federal Pell Grant, State of Illinois Monetary Award Program (MAP), Federal Direct Loan Program, Federal Work Study Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), and scholarships.

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

- Complete the ICC Admissions Application. The application can be completed by visiting icc.edu/admissions and select, “Apply Now”.
- Submit the Free Application for Federal Student Aid (FAFSA). You must enter ICC’s school code #006753 for your information to be processed by ICC. The FAFSA can be submitted electronically with the government at fafsa.ed.gov. The ICC Financial Assistance staff is able to provide assistance with completing the FAFSA. Please visit the Financial Assistance Office, (309) 694-5311 or email financialaid@icc.edu for assistance.
- Have enrolled or have been accepted to enroll in a program of study requiring 24 credit hours or more.
- Are in compliance with the Satisfactory Academic Progress Standards (SAP) prior to and following receipt of financial assistance. All students applying for assistance must meet GPA (cumulative 2.0) and completion rate (cumulative 67%) requirements. In addition, the student must not have attempted the maximum hours allowed for the program. In general, this requirement is 1.5 times the number of hours required to complete the program. Students not meeting SAP standards will be notified in writing through their student email account. Students may be reinstated for financial assistance once they meet SAP requirements. Students may appeal their loss of assistance eligibility if extenuating circumstances exist. For a detailed explanation of SAP, please visit icc.edu/students/financial-aid/eligibility. PLEASE NOTE: By law, all coursework on a student’s transcript must be reviewed for purposes of determining SAP, even if previous hours attempted were not paid by Federal Student Aid.
- If additional information is requested by ICC, you will receive the request through your ICC student email account. All requested documentation, must be received as soon as possible. Your FAFSA will not be processed until all documentation is received.
- If you are requesting student loans, you must submit all paperwork required. Please visit icc.edu/financial-aid/types-of-financial-aid-available for a list of documents required for the loan application.

Students are encouraged to complete the FAFSA form as soon as possible after 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 limited funded grants such as FSEOG and Federal Work Study.

RETURN OF FINANCIAL AID FUNDS

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

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

If a student withdraws from all classes, the student may not have earned all of the aid they were awarded. A Return to Title IV calculation must be done to determine the amount of earned and unearned aid the student has for the semester. If it is calculated that a student was disbursed more funds than were earned, the unearned funds must be returned back to the Federal Student Aid programs.

If it is found that the student owes part of all of their financial aid back to the Department of Education, ICC will return the funds and the student will owe ICC. The balance must be paid before future enrollments are allowed. The student will be notified of any Return to Title IV obligations.

FINANCIAL AID OVERPAYMENT

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

If an overpayment situation occurs, the student will be notified alerting them to the situation and steps to be taken to resolve the situation. If the overpayment is not resolved, and the Title IV funds are not repaid, the institution must report the overpayment to the US Department of Education. Owing an overpayment of a federal grant or loan will prevent the student from qualifying for an future financial aid at an academic institution.

PURCHASING TEXTBOOKS WITH FINANCIAL AID

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

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

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

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

REPEATED COURSEWORK

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

PELL GRANT LIFETIME ELIGIBILITY LIMITS

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

STUDENT LOAN INFORMATION

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

Loans will be certified for the amount requested or for the amount you are eligible, if less than the requested amount. If you are enrolled in less than 12 credit hours, your cost of attendance is adjusted to reflect the actual number of credit hours enrolled and your loan award will be recalculated. Any change in enrollment status after your loan is certified by ICC may require additional recalculation and revision of your original loan amount. If you submit a loan application prior to the tuition due date and you are determined eligible for the loan, you will be held in your classes. If you decide not to attend ICC, you must officially withdraw from your classes prior to the refund date of each class or you will be responsible for payment of your tuition. Please refer to your class schedule for the refund dates of your classes.

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

Situations that may delay or cancel your student loan:

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

STUDENT LOAN DEFAULT

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

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

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

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

DIRECT PLUS LOANS

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

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

Parents may apply for a PLUS loan after the student receives a financial aid award letter from ICC. The PLUS loan application and instructions are located at icc.edu/students/financial-aid/forms.
SUBSIDIZED LOAN LIMIT
Effective July 1, 2013, first time borrowers lose eligibility for additional subsidized loans when the student has received subsidized loans for 150% of their current academic program. In addition, students that continue enrollment beyond 150% of their published program length will lose the interest subsidy on prior subsidized loans received that have an outstanding or unpaid balance. First time borrowers are defined as students that have never received a student loan or students that have paid previously borrowed loans in full and are borrowing after July 1, 2013. Generally, the 150% is measured in time, not dollars, based on the published length of the program. Students who lose eligibility for subsidized loans are still eligible for unsubsidized loans.

Scholarships

Educational Foundation
East Peoria Campus • L426 • (309) 694-5530

Financial Assistance Office
East Peoria Campus • L209 • (309) 694-5324

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

• To assure access to higher education for our community – the Educational Foundation Scholarship Program seeks to ensure cost is not a barrier for individuals who seek a college education. Information about Foundation scholarships is available through the Financial Assistance Office, L209, or on the web at icc.edu/admissions/scholarships. Students can apply for scholarships via the website from January 15 through April 1 for the upcoming fall semester.

• To enhance the quality of education offered by ICC – the Educational Foundation enhances the quality of instruction at ICC by funding faculty/staff development, technology and equipment, and special projects of the college.

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

Special Academic Services

East Peoria Campus • 215E • (309) 694-5170
Downtown Campus, Thomas Bldg • 203D • (309) 999-4657

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.
Academic Requirements

General Education Goals ........................................................... 26
Degrees .................................................................................... 26
General Requirements for Degrees ........................................... 26
Degree Specific Admission Requirements .............................. 27
Programs with Special Requirements ...................................... 27
Requirements for Degrees/Certificates
  Associate in Applied Science Degree ....................................... 28
  Certificates ........................................................................... 28
  Associate in General Studies Degree ..................................... 29
  Associate in Arts Degree ...................................................... 29
  Associate in Science Degree ................................................. 30
  Associate in Engineering Science Degree .............................. 30
Math Sequence Chart ............................................................... 31
Preparation for College Reading & Writing Course Sequence 32
Multiple Associate Degrees/Certificates ................................. 33
Program Changes ................................................................. 33
Transfer Agreements/IAI ........................................................... 33
IAI/ICC General Education Course Alignment ....................... 34
Applying to Graduate ............................................................. 35
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 the 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

Degrees

ASSOCIATE IN ARTS DEGREE is a baccalaureate-oriented transfer degree focused in the arts, humanities, social sciences, behavioral sciences, or professional fields with these study areas as a foundation. Degree completion may qualify the individual for junior standing at many four-year colleges and universities. ICC’s Associate in Arts degree fulfills the Illinois Articulation Initiative’s general education requirements. (For more information on the Illinois Articulation Initiative, see page 34.)

ASSOCIATE IN SCIENCE DEGREE is a baccalaureate-oriented transfer degree focused in mathematics, life or physical sciences, or professional fields with these study areas as a foundation. Degree completion may qualify the individual for junior standing at many four-year colleges and universities. ICC’s Associate in Science degree fulfills the Illinois Articulation Initiative’s general education requirements. (For more information on the Illinois Articulation Initiative, see page 34.)

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

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

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

General Requirements for Degrees

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

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

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

2. Maintain an overall grade point average (GPA) of 2.00 on a 4-point scale or a “C” average. All grades and hours of all courses attempted at ICC are used in calculating the student’s GPA. When a higher grade is earned in a repeated course where a student received a D or F, the D or F will be dropped from GPA calculation and the higher grade will be used. Individual courses or programs may have additional or higher GPA requirements.

3. Satisfactorily complete all specific degree requirements outlined by the College (see individual degree and/or program requirements.)

4. Fulfill all financial obligations to the College.

5. Submit an Application for Degree/Certificate and $15 fee for the desired graduation month/term:
   - December/Winter Graduation – due September 1
   - May/Spring Graduation – due February 1
   - Summer/July Graduation – due May 1

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

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

ASSOCIATE IN ARTS DEGREE
ASSOCIATE IN SCIENCE DEGREE
ASSOCIATE IN ENGINEERING SCIENCE DEGREE

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

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.

Programs with Special Requirements

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

1. All health careers programs
2. Diesel-Powered Engine Technology (DPET)
3. Caterpillar Dealer Service Technician Program
4. General Motors Automotive Service Educational Program (GM-ASEP)
Associate in Applied Science Degree (AAS)

SPECIFIC REQUIREMENTS

In addition to the General Requirements for a Degree listed on page 26, 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 credit hours specified for the program, including the following general education requirements:

A. ENGLISH: (3 credit hours) ENGL 110, 116, 125, 201
B. COMMUNICATION: (3 credit hours) COMM 110 or 212, 213, or 3 additional credit hours in composition courses numbered 110 or above, such as ENGL 110, 111, 116, 125 or 201
C. SOCIAL SCIENCE: (3 credit 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: INST 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, 219, 221
D. MATHEMATICS AND/OR LABORATORY SCIENCE (7 credit hours)
   1. Mathematics: The particular course prescribed in the specific Applied Science curriculum or MATH 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 credit hours)
   1. Art: ART 110, 142, 150, 151
   2. Dance: DANCE 115
   3. Film: FILM 110
   4. Foreign Language:  
      ARA 110, 111, 210, 211;  
      ASL 110, 111;  
      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
   5. History: HIST 111, 112
   6. Humanities: HUMAN 123, 124, 125, 128, 129
   7. International Studies: INTST 132, 133
   9. Music: MUS 148, 149, 150
   11. Theatre: THTR 110 or 111
F. Requirements of the specified curriculum in which the student is enrolled. Appropriate technical course substitutions may be approved by the appropriate dean.

Certificates

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

GENERAL REQUIREMENTS FOR OCCUPATIONAL CERTIFICATES

To become eligible for a certificate a student must:

1. Complete all courses listed for the particular certificate. Appropriate technical course substitutions may be approved by the department dean/associate dean.
2. Complete at least thirty percent (30%) of the total program of study required for the certificate in residence at Illinois Central College.
3. Maintain a cumulative grade point average of 2.00 (C) in all courses required for the certificate. Individual courses may have additional grade requirements.
4. Fulfill all financial obligations to the college.
5. Submit an Application for Certificate by the deadline for the term in which they plan to graduate to ensure the timely award of the certificate. (See page 35)
   
   September 1  December graduation deadline  
   February 1   May graduation deadline  
   May 1        July graduation deadline  

Applications for certificates are accepted up to one (1) month after the deadline date but the student will be assessed a late fee of $25.

A Certificate of Participation may be awarded for completion of single course programs of instruction and certain community service activities.
ASSOCIATE IN GENERAL STUDIES DEGREE (AGS)

SPECIFIC REQUIREMENTS

In addition to the General Requirements for a Degree listed on page 26, candidates for the Associate in General Studies Degree must complete a minimum of 60 credit hours all labeled "TC" (transfer course) or "OC" (occupational course), including the following:

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

B. SOCIAL SCIENCE: (6 credit 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 credit 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 credit hours)
   1. Agriculture: AGRI 112, 201
   2. Biology: BIOL any except 150
   3. Chemistry: CHEM 110 or higher
   4. Earth Science: EASC 111 or higher
   5. Horticulture: HORT 110
   6. Physical Science: PHYS 110 or higher
   7. Physics: PHYS 110 or higher

E. HUMANITIES/FINE ARTS: (3 credit hours)
   1. Art: ART 110, 142, 150, 151
   2. Film: FILM 110
   3. Dance: DANCE 115
   4. Foreign Language:
      ARA 110, 111, 210, 211;
      ASL 110, 111;
      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
   5. History: HIST 111, 112
   6. Humanities: HUMAN 123, 124, 125, 128, 129
   7. International Studies: INTST 132, 133
   8. Literature:
      LIT 110, 111, 115, 117, 119, 120, 122, 124, 212,
      213, 214, 215, 216, 240, 250, CHILD 231
   9. Music: MUS 148, 149, 150
   11. Theatre: THTR 110, 111

F. SCIENCE: (7 credit hours) At least one of these courses must contain a laboratory experience. Also, one of these courses must be a Physical Science.
   1. Agriculture: AGRI 112, 201
   2. Biology: BIOL 110, 111, 115, 120, 130, 140, 150 (3 credit hours), 160 or 161, 205, 250
   3. Chemistry: CHEM 110, 115, 120, 130
   4. Earth Science: EASC 111, 116, 118, 250
   5. Physics: PHYS 110, 120

ASSOCIATE IN ARTS DEGREE (AA)

SPECIFIC REQUIREMENTS (Transfer Degree)

In addition to the General Requirements for Degrees listed on page 26, candidates for the Associate in Arts Degree must complete at least 60 credit hours of TRANSFER CREDIT courses including the General Education requirements listed below. Students must maintain an overall grade point average of 2.00 (C). Courses labeled OC (Occupational Credit) in Course Descriptions (page 236) may not be applied to degree requirements. See pages 33 and 34 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 credit 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 credit hours) COMM 110 or 212

C. SOCIAL SCIENCE: (9 credit hours) These courses must be taken in at least two of the following disciplines:
   1. Economics: ECON 110, 111
   2. Geography: GEOG 112 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 credit hours)
   Math: MATH 110, 111 or 211, 122, 134, 135, 201, 222, 223, 224

E. SCIENCES: (7 credit 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 credit hours)
      Biology: BIOL 110, 111, 114, 115, 120, 130, 140, 150 (3 credit hours), 160 or 161, 205, 250
   2. Physical Sciences (4 credit 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 credit hours) At least one of these courses must be a Humanities course and at least one must be a Fine Arts course. The third course may be taken from either group.
   1. Humanities (3-6 credit hours)
      Foreign Language: ARA 211 or 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
      Literature: LIT 110, 111, 115, 117, 119, 120, 122, 124, 212,
      213, 214, 215, 216, 240, 250, CHILD 231
      Music: MUS 148, 149, 150
      Philosophy: PHIL 110, 111, 112, 113, 114, 115, 116
      Theatre: THTR 110 or 111
   2. Fine Arts (3-6 credit hours)
      Art: ART 110, 142, 150, 151
      Dance: DANCE 115
      Film: FILM 110
      Humanities: HUMAN 128
      Mass Communication: MCOMM 224
      Music: MUS 148, 149, 150
      Theatre: THTR 110 or 111

*Either PSY 210 or SOC 218 satisfies IAI requirements

Updated courses will appear on ICC’s website: icc.edu/catalog or see the IAI and ICC General Education Course Alignment (page 34).

ICC’s courses approved by the Illinois Articulation Initiative (IAI) are posted on the itransfer website: itransfer.org
Associate in Science Degree (AS)

**SPECIFIC REQUIREMENTS** (Transfer Degree)

In addition to the General Requirements for Degrees listed on page 26, candidates for the Associate in Science Degree must complete at least 60 credit hours of TRANSFER CREDIT courses including the General Education requirements listed below. Students must maintain an overall grade point average of 2.00 (C). Courses labeled OC (Occupational Credit) in Course Descriptions (page 236) may not be applied to degree requirements. See pages 33 and 34 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 credit 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 credit hours) COMM 110 or COMM 212

C. SOCIAL SCIENCE: (9 credit hours) These courses must be taken in at least two of the following disciplines:
   1. Economics: ECON 110, 111
   2. Geography: GEOG 112 or 113, 116, 118, 200
   3. History/International Studies:
      - HIST 117, 118, 201, 202, 231
      - INSTT 130, 134
   4. Political Science: POLS 115, 119, 120, 122, 124
   5. Psychology: PSY 110, 221, 210*, 220
   6. Social Science: SSCI 111 or INSTT 140
   7. Sociology: SOC 110, 114, 120, 213, 218*, 219

D. MATHEMATICS: (6-8 credit 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 31.
   1. Group I (3-6 credit hours)
      - MATH 110, 111 or 211, 122, 134, 135, 201, 222, 223, 224
   2. Group II (Transfer credit, but NOT IAI approved courses for General Education)
      - MATH 115, 120, 124, 165, 190, 200, 230, 250

E. SCIENCES: (8 credit 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 credit hours)
      - Biology: BIOL 110, 111, 114, 115, 120, 130, 140, 160 or 161, 205, 250
   2. Physical Sciences (4 credit hours)
      - Chemistry: CHEM 110, 115, 120, 130
      - Earth Science: EASC 111, 116, 118, 200
      - Physics: PHYS 110, 120
   3. Humanities/Fine Arts: (9 credit hours) At least one of these courses must be a Humanities course and at least one must be a Fine Arts course. The third course may be taken from either group.
      1. Humanities (3-6 credit hours)
         - Foreign Language: ARA 211 or CHN 211 or FR 211 or GER 211 or SPAN 211
         - History: HIST 111, 112
         - Humanities/International Studies: HUMAN 123, 124 or 125, 129;
         - INSTT 132 or 133
         - Philosophy: PHIL 110, 111, 112, 115, 116
      2. Fine Arts (3-6 credit hours)
         - Art: ART 110, 142, 150, 151
         - Dance: DANCE 115
         - 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

Updated courses will appear on ICC’s website: icc.edu/catalog or see the IAI and ICC General Education Course Alignment (page 34).

ICC’s courses approved by the Illinois Articulation Initiative (IAI) are posted on the itransfer website: itransfer.org

Associate in Engineering Science Degree (AES)

**SPECIFIC REQUIREMENTS**

In addition to the General Requirements for a Degree listed on page 26, candidates for the Associate in Engineering Science Degree must complete at least 61 credit hours of the following requirements maintaining an overall grade point average of 2.00 (C):

A. ENGLISH/COMMUNICATION: (6 credit hours)
   - ENGL 110 and 3 additional credit hours from ENGL 111, COMM 110 or COMM 212

B. SOCIAL SCIENCE/HUMANITIES/FINE ARTS: (12 credit hours, a minimum of one course must be taken in a social science and a minimum of one course must be taken in 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: INSTT 130, 134
      - Political Science: POLS 115, 119, 120, 122, 124
      - Psychology: PSY 110, 202, 210*, 220
      - Social Science: SSCI 111 or INSTT 140
   2. HUMANITIES/FINE ARTS
      - Art: ART 110, 142, 150, 151
      - Dance: DANCE 115
      - Film: FILM 110
      - Foreign Language: ARA 211 or CHN 211 or FR 211 or GER 211
      - History: HIST 111, 112
      - Humanities: HUMAN 123, 124 or 125, 128, 129
      - International Studies: INSTT 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 credit hours)
   - MATH 222, 223, 224, 250
   - See chart on page 31.

D. LABORATORY SCIENCES: (14 credit hours)
   - CHEM 130, PHYS 211, 212, 213

E. REQUIRED ENGINEERING COURSE: (1 credit hour)
   - ENGR 110

F. ENGINEERING ELECTIVES: (minimum 8 credit hours of any of the following:)
   1. ENGR 113, 230, 240, 241, 242, 251, 252, 253

G. MATHEMATICS, SCIENCE or ENGINEERING ELECTIVE(S):
   (minimum 4 credit hours of any of the following:)
   1. BIOL 160 or 161
   2. CHEM 132, 220, 230
   3. MATH 230
   4. ENGR 113, 230, 240, 241, 242, 251, 252, 253
   5. PHYS 214

*Either PSY 210 or SOC 218 satisfies IAI requirements

Note: Students intending to transfer to Southern Illinois University or Northern Illinois University may benefit from obtaining the Associate in Science Degree. See an Engineering advisor for details.
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 34 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.
Preparation for College Reading and Writing Course Sequence

**COMPASS Exam Score**

1-60

- Preparation for College Reading and Writing 085 (6 credits)

61-78

- Preparation for College Reading and Writing 095 (6 credits)

79-80

- Preparation for College Reading and Writing 099 (6 credits)

81+

- Transfer Level Gen. Ed. Courses: ex. ENGL 110, PSY 110, SOC 110, EDUC 111, BIO 145, etc.
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.

Program of Study Changes

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

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: 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 icc.edu/currentStudents/transferCenter.asp.

Refer to IAI and ICC General Education Course Alignment (page 34) and follow ICC’s IAI/Transfer guidelines:

- Students should be advised that most universities will accept for transfer no more than approximately 66 credit hours from a community college toward the bachelor degree.
- Students transferring in the completed IAI General Education Core Curriculum (GECC) will not be required to complete ICC’s Associate in Arts Degree or Associate in Science Degree specific requirements.
- The College will accept IAI GECC courses that have a passing grade when the Core has not been completed prior to transfer. **Students must maintain an overall cumulative grade point average of 2.00 (C) in all IAI GECC courses and ENGL 110 and ENGL 111 must receive a grade of C or better.**
- ICC does not accept partial semester credit, but will accept credit for quarter hours to satisfy course requirements. Minimum hours required for Associate in Arts Degree or Associate in Science Degree will remain at 60 hours.
- Transfer credit may be accepted from another college or university accredited by a regional accrediting association. If the credit is not from such an institution, the transcript will not be evaluated nor will the credit be accepted as fulfilling IAI requirements.
- ICC accepts College-Level Examination Program (CLEP) credits to satisfy credit requirements for a degree and/or as fulfilling the IAI GECC. Refer to page 314 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1900</td>
<td>SPAN211 Intermediate Spanish II</td>
<td></td>
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<tr>
<td>H2906</td>
<td>HIST111 Early World Civilizations</td>
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<tr>
<td>H2907</td>
<td>HIST112 Modern World Civilizations</td>
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<tr>
<td>H3900</td>
<td>LIT110 Introduction to Literature</td>
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<tr>
<td>H3901</td>
<td>LIT111 The Short Story and the Novel</td>
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<td>H3902</td>
<td>HUMAN129 Literature &amp; Theatre</td>
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<td>H3903</td>
<td>LIT117 Introduction to Poetry</td>
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<td>H3905</td>
<td>LIT214 Shakespeare</td>
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<td>H3906</td>
<td>LIT250 Masterpieces of Western Literature</td>
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<td>H3908N</td>
<td>LIT214 Non-Western Literature</td>
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<td>H3909</td>
<td>LIT230 Russian Life and Literature from Czarist Period to Post-Soviet Union Period</td>
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<td>H3910D</td>
<td>LIT222 Literature of Ethnic America</td>
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<td>H3911D</td>
<td>LIT119 Women’s Literature</td>
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<tr>
<td>H3912</td>
<td>LIT212 British Literature: Beginnings to 1800</td>
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<tr>
<td>H3913</td>
<td>LIT213 British Literature: 1800 to the Present</td>
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<tr>
<td>H3914</td>
<td>LIT215 American Literature: Beginnings to 1865</td>
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<tr>
<td>H3915</td>
<td>LIT216 American Literature: 1865 to the Present</td>
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<tr>
<td>H4900</td>
<td>PHIL110 Introduction to Philosophy</td>
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<td>H4904</td>
<td>PHIL115 Ethics</td>
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<tr>
<td>H4905</td>
<td>PHIL116 Philosophy of Religion</td>
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<tr>
<td>H4906</td>
<td>PHIL111 Logic</td>
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<tr>
<td>H5901</td>
<td>LIT120 The Bible as Literature</td>
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<tr>
<td>H5904N</td>
<td>PHIL112 Comparative Religions</td>
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<td>H9901</td>
<td>LIT115 Mythology</td>
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<tr>
<td>HF902</td>
<td>HUMAN123 Classical Humanities: Beginnings Through 1650</td>
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<td>HF903</td>
<td>HUMAN124 Modern Humanities: 1650-1900</td>
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<td>HF903</td>
<td>HUMAN125 Contemporary Humanities</td>
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<td>HF904N</td>
<td>INTST132 Latin American Humanities</td>
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<tr>
<td>HF904N</td>
<td>INTST133 Cultures and Civilizations of Sub-Saharan Africa</td>
<td></td>
</tr>
</tbody>
</table>

**SOCIAL AND BEHAVIORAL SCIENCE (9 CREDIT HRS)**

S1901N       | SOC213 Introduction Cultural Anthropology        |         |
S2900       | HIST201 American History to 1865                  |         |
S2901       | HIST202 American History since 1865               |         |
S2902       | HIST117 Early Western Civilization                |         |
S2903       | HIST118 Modern Western Civilization               |         |
S2908N      | HIST231 History of East Asia                      |         |
S2914N      | INTST130 The Society and Culture of China         |         |
S2918N      | INTST134 Intro to Middle Eastern Cultures          |         |
S3901       | ECON110 Principles of Microeconomics              |         |
S3902       | ECON111 Principles of Microeconomics              |         |
S4900N      | GEOG112 Cultural Geography                        |         |
S4900N      | GEOG113 World Regional Geography                  |         |
S4901       | GEOG118 Geography of the Developed World          |         |
S4902N      | GEOG116 Geography of the Developing World         |         |
S4903N      | GEOG200 Economic Geography                        |         |
S5900       | POLS115 American National Government              |         |
S5902       | POLS119 State and Local Governments               |         |
S5903       | POLS120 Political Methods and Concepts            |         |
S5904       | POLS122 Intro to International Relations          |         |
S5905       | POLS124 Comparative Political Systems             |         |
S6900       | PSY110 Introduction to Psychology                 |         |
S6903       | PSY202 Child and Adolescent Development           |         |
S6905       | PSY220 Adulthood and Aging                        |         |
S7900       | SOC110 Introduction to Sociology                  |         |
S7901       | SOC114 Social Problems                            |         |
S7902       | SOC120 Marriage and the Family                     |         |
S7903D      | SOC219 The Sociology of Race and Ethnicity in America |   |
S8900       | PSY210 Human Social Behavior                       |         |
S8900       | SOC218 Introduction to Social Psychology           |         |
S9900       | INTST140 Global Issues                            |         |
S9900       | SSC111 Americans and Their Culture                 |         |
Applying to Graduate

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

Whether or not you plan to participate in ICC’s commencement ceremony to receive a diploma

YOU MUST complete an Application for Degree/Certificate

Applications may be obtained online at icc.edu/students/graduation 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, Room L211, Downtown Peoria, Thomas Building, Room 109; ICC North, Cedar Hall; or ICC 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 = No Charge (late fee applies)
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 with requirements listed in the current catalog at the time of application for graduation. For an Associate in Applied Science and/or Certificate, students have five years from the date they declare an Applied Science program as their major to complete the program requirements outlined in that specific catalog. Should appreciable changes to the degree requirements occur, students will need to meet the degree requirements in the current catalog at time of graduation. Students who have not met the degree requirements within five years will need to meet the requirements in effect at that time. A student who has not been enrolled for three consecutive semesters, excluding summer, must meet the catalog requirements in effect upon re-entry. Illinois Central College will consider granting permission to a graduate under a catalog more than five years old if the student has been enrolled continuously and the degree requirements have not changed appreciably. Requests for this exception should be directed to the dean/associate dean of the department for approval.

Celebrate Your Success by Participating in ICC’s Commencement Ceremony

If you have met the requirements necessary for a degree/certificate in your program of study, you will receive a postcard inviting you to participate in commencement. This postcard will provide you with instructions on registering and ordering your cap and gown.

ICC holds only one commencement ceremony. Participation in the May commencement ceremony is optional. Students completing their program of study the previous December are encouraged to participate in the May ceremony. There is a purchase price of $30 for your cap, gown, tassel, and diploma cover. Students who choose not to participate in the commencement ceremony but wish to purchase a tassel for $5, can do so at Enrollment Services on the East Peoria Campus.

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

Programs/Areas of Study Grid .................................................. 38-41
Career Clusters ........................................................................ 42
Associate in Applied Science Degree/Certificate ............... 43
Associate in General Studies Degree................................. 173
Associate in Arts Degree and
Associate in Science Degree ............................................... 175
Associate in Engineering Science Degree ......................... 233
<table>
<thead>
<tr>
<th>PROGRAM/AREA OF STUDY</th>
<th>AA</th>
<th>AS</th>
<th>AAS</th>
<th>AES</th>
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### DEGREES/CERTIFICATES

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

### ACADEMIC DEPARTMENTS

- **AIT** = Agricultural and Industrial Technologies
- **AC** = Arts and Communication
- **BHIS** = Business, Hospitality, and Information Systems
- **EHS** = English, Humanities, and Language Studies
- **HC** = Health Careers
- **LIB** = Library Science
- **MSE** = Math, Science, and Engineering
- **PHYED** = Physical Education
- **SSPS** = Social Science and Public Services
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

You can use these icons as quick references for programs in the career area of your interest. For example, if you’re interested in health careers in general and want to know what your ICC options are, look for this icon.

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 and 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: careertech.org.
APPLIED SCIENCE DEGREE
and
CERTIFICATE

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

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

Total Credit Hours: 15

Program Information: The mission of the 9-1-1 Telecommunicator certificate program is to prepare the graduates for employment as a 9-1-1 telecommunicator by educating them in the knowledge, skills, and behaviors as an entry level 9-1-1 telecommunicator at a police, fire, or EMS department.

Contact Information:
Social Sciences and Public Services Department
North Campus
(309) 690-7691

9-1-1 Telecommunicator

PROGRAM COURSES:
- CRJ 110 INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM 3 CR. HRS.
- CRJ 190 9-1-1 TELECOMMUNICATOR I 3 CR. HRS.
- CRJ 191 9-1-1 TELECOMMUNICATOR II 3 CR. HRS.
- CRJ 201 INTERNSHIP IN CRIMINAL JUSTICE 3 CR. HRS.
- CRJ 225 CRIMINAL LAW 3 CR. HRS.

Recommended Course Sequence:
1st Semester: CRJ 110; CRJ 190
2nd Semester: CRJ 225; CRJ 191
Summer Semester 1: CRJ 201

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 66 to 67

Program Information: The mission of the Associate in Applied Science Accounting program is to provide a background in accounting to qualify the student as a paraprofessional in accounting, junior accountant, or in other entry-level positions in accounting, or to prepare the student to engage in a general business career, either as an owner or manager, by educating them in basic accounting methods and principles, and exposing students to computers and programming necessary in an automated accounting environment.

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

To Remain in and Graduate From the Program: Students should submit an "Application for Degree/Certificate" after completing 45 hours of the program. This form is available in the Enrollment Services, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Accounting

GENERAL COURSES:
- ENGLISH* 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
  or ECON 111 PRINCIPLES OF MICROECONOMICS 3 CR. HRS.
- BUS 120 BUSINESS MATHEMATICS 4 CR. HRS.
  or MATH 115 COLLEGE ALGEBRA 4 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- ACCTG 113 TAX ACCOUNTING 3 CR. HRS.
- ACCTG 115 PAYROLL ACCOUNTING 3 CR. HRS.
- ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- ACCTG 121 MANAGERIAL ACCOUNTING 4 CR. HRS.
- ACCTG 206 INTERMEDIATE ACCOUNTING I 3 CR. HRS.
- ACCTG 207 INTERMEDIATE ACCOUNTING II 3 CR. HRS.
- ACCTG 208 COST ACCOUNTING 3 CR. HRS.
- ACCTG 216 ACCOUNTING AND INFORMATION SYSTEMS 3 CR. HRS.
- BUS 110 INTRODUCTION TO BUSINESS 3 CR. HRS.
- BUS 215 LEGAL ENVIRONMENT OF BUSINESS 3 CR. HRS.
- CMGEN 120 COMPUTER APPLICATIONS 3 CR. HRS.
- MGMT 113 PRINCIPLES OF MANAGEMENT 3 CR. HRS.
- OFACS 132 ELECTRONIC SPREADSHEETS 3 CR. HRS.
- OFACS 232 ADVANCED SPREADSHEETS 3 CR. HRS.

ELECTIVE COURSES:
- ACCOUNTING/BUSINESS ELECTIVE** 3 CR. HRS.

* See specific requirements for the Associate in Applied Science degree.
** ACCTG 108, 260 or approved BUS course

Recommended Course Sequence:
1st Semester: ACCTG 120; ECON 110 or 111; BUS 110; MGMT 113; CMGEN 120; BUS 120 or MATH 115
2nd Semester: ACCTG 121; ACCTG 115; BUS 215; English; Laboratory Science/Mathematics
Summer Semester 1: Humanities
3rd Semester: ACCTG 206; ACCTG 208; ACCTG 113; Communication; OFACS 132
4th Semester: ACCTG 207; ACCTG 216; OFACS 232; ACCTG or BUS Elective

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 29

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

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

To Remain in and Graduate From the Program:
Students should complete an "Application for Degree/Certificate" during the next to the last semester of study. The form is available in Enrollment Services, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Accounting Clerk

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

Recommended Course Sequence:
1st Semester: ACCTG 105; OFACS 132; TYPE 120; TYPE 121; WP 161
2nd Semester: ACCTG 120; BUS 110; ACCTG 115; ACCTG 108 or ACCTG 216; OFACS 232

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 32

Program Information: The mission of the Accounting Technician Certificate program is to prepare students with office experience the skills necessary for employment in accounting or an accounting related field. The Technician program provides education in accounting for personal income taxes and managerial decision-making using accounting information, in addition to basic accounting and payroll accounting. The Technician program prepares students for possible employment as a bookkeeper, payroll clerk, or similar positions in other areas of accounting, with manufacturers, the service industry, accounting firms, financial institutions, insurance companies, and not-for-profit and governmental organizations.

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

To Remain in and Graduate From the Program:
Students should complete an "Application for Degree/Certificate" during the next to last semester of study. The form is available in Enrollment Services, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Accounting Technician

PROGRAM COURSES:

- COMMUNICATION* 3 CR. HRS.
- ACCTG 105 BOOKKEEPING/ACCOUNTING I 3 CR. HRS.
- ACCTG 108 ACCOUNTING USING QUICK BOOKS 3 CR. HRS.
  or ACCTG 216 ACCOUNTING AND INFORMATION SYSTEMS 3 CR. HRS.
- ACCTG 115 TAX ACCOUNTING 3 CR. HRS.
- ACCTG 115 PAYROLL ACCOUNTING 3 CR. HRS.
- ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- ACCTG 121 MANAGERIAL ACCOUNTING 4 CR. HRS.
- BUS 110 INTRODUCTION TO BUSINESS 3 CR. HRS.
- OFACS 132 ELECTRONIC SPREADSHEETS 3 CR. HRS.
- OFACS 232 ADVANCED SPREADSHEETS 3 CR. HRS.

* COMM 110, 113, 212; ENGL 110, 125

Recommended Course Sequence:
1st Semester: ACCTG 105; BUS 110; ACCTG 113; Communication; OFACS 132
2nd Semester: ACCTG 120; ACCTG 115; ACCTG 108 or ACCTG 216; OFACS 232
Summer Semester 1: ACCTG 121

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science  

Total Credit Hours: 66

Program Information: The mission of the Agricultural-Business Management Associate in Applied Science degree program is to prepare students for employment in the agricultural industry by educating them in the fundamental concepts, knowledge, hands-on techniques and skills of the agricultural industry.

Additional Program Info: This general agriculture option enhances the student's ability to obtain a broad range of agricultural employment opportunities. Whether returning to a farm or working for an agricultural business, graduates of the Agricultural Business Management program will have a good basic knowledge of modern agricultural production and business practices. The student will complete two internships on a farm and/or in an agricultural business during their sophomore year to gain additional practical experience. Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements.

Contact Information:  
Agricultural and Industrial Technologies Department  
East Peoria Campus  
A/IT Building  
Room 118  
(309) 694-5171

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Agricultural Business Management

GENERAL COURSES:

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

PROGRAM COURSES:

- AGBUS 111  ECONOMICS OF AGRICULTURE  3 CR. HRS.
- AGBUS 112  AGRICULTURAL SALES  2 CR. HRS.
- AGBUS 115  COMPUTER TECHNOLOGY IN AGRICULTURE  3 CR. HRS.
- AGBUS 200  OCCUPATIONAL INTERNSHIP AND SEMINAR I  4 CR. HRS.
- AGBUS 211  AGRICULTURE BUSINESS AND FINANCIAL MANAGEMENT  3 CR. HRS.
- AGBUS 212  MARKETING AGRICULTURAL PRODUCTS  3 CR. HRS.
- AGBUS 214  OCCUPATIONAL INTERNSHIP AND SEMINAR II  4 CR. HRS.
- AGMEC 117  PRINCIPLES OF AGRICULTURAL MECHANICS  3 CR. HRS.
- AGRI 111  APPLIED LIVESTOCK PRODUCTION I  3 CR. HRS.
- AGRI 113  PRINCIPLES OF SOIL FERTILITY  3 CR. HRS.
- AGRI 114  or AGRI 221  APPLIED LIVESTOCK PRODUCTION II  
  or APPLICATION OF GIS TECHNOLOGY FOR AGRICULTURE  3 CR. HRS.
- AGRI 118  HARVESTING, DRYING, AND STORING GRAIN  2 CR. HRS.
- AGRI 121  INTRODUCTION TO PRECISION AGRICULTURE  3 CR. HRS.
- AGRI 201  CROP PRODUCTION  4 CR. HRS.
- AGRI 203  INTEGRATED PEST MANAGEMENT  4 CR. HRS.

* See specific requirements for Associate in Applied Science Degree. 
** COMM 110 or 3 additional hours in composition courses such as ENGL 111, 116 or 125 
*** See specific mathematics requirements for Associate in Applied Science Degree.

Recommended Course Sequence:

1st Semester: ENGL 110; AGBUS 111; AGRI 112; Mathematics; Social Science
2nd Semester: AGRI 111; AGRI 113; Humanities; Communication; AGMEC 117
Summer Semester 1: AGRI 201; AGRI 203
3rd Semester: AGBUS 112; AGBUS 200; AGBUS 115; AGRI 118; AGRI 121
4th Semester: AGBUS 211; AGBUS 212; AGBUS 214; AGRI 114 or AGRI 221

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 62

Program Information: The mission of the Agricultural Business Management - Agricultural Sales and Service Associate in Applied Science degree program is to prepare students for employment in the agricultural sales and service industry by educating them in the fundamental concepts, knowledge, hands-on techniques and skills of the agricultural sales and service industry.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
A/IT Building
Room 118
(309) 694-5171

Agricultural Business Management
Ag Sales and Service

GENERAL COURSES:

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

PROGRAM COURSES:

- AGBUS 111       ECONOMICS OF AGRICULTURE                                    3 CR. HRS.
- AGBUS 112       AGRICULTURAL SALES                                               2 CR. HRS.
- AGBUS 115       COMPUTER TECHNOLOGY IN AGRICULTURE                             3 CR. HRS.
- AGBUS 200       OCCUPATIONAL INTERNSHIP AND SEMINAR I                      4 CR. HRS.
- AGBUS 211       AGRICULTURE BUSINESS AND FINANCIAL MANAGEMENT            3 CR. HRS.
- AGBUS 214       OCCUPATIONAL INTERNSHIP AND SEMINAR II                     4 CR. HRS.
- AGMEC 117      PRINCIPLES OF AGRICULTURAL MECHANICS                         3 CR. HRS.
- AGRI 113           PRINCIPLES OF SOIL FERTILITY                               3 CR. HRS.
- AGRI 121       INTRODUCTION TO PRECISION AGRICULTURE                           3 CR. HRS.
- AGRI 201       CROP PRODUCTION                                               4 CR. HRS.
- AGRI 203       INTEGRATED PEST MANAGEMENT                                       4 CR. HRS.
- AGRI 221       APPLICATION OF GIS TECHNOLOGY FOR AGRICULTURE                    3 CR. HRS.

ELECTIVE COURSES:

- ELECTIVES***                                                                   4 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.
** COMM 110 or 3 additional hours in composition courses numbered 111 or above, such as ENGL 111, 116 or 125
*** Select electives in consultation with academic advisor. Select 4 hours from, but not limited to: AGBUS 212, 255, AGRI 111, 114, 118, 133, 134, 233, or 234

Recommended Course Sequence:
1st Semester: ENGL 110; AGBUS 111; AGRI 112; Mathematics; Social Science
2nd Semester: AGRI 113; AGMEC 117; Humanities; Communication; Elective
Summer Semester 1: AGRI 201; AGRI 203
2nd Semester: AGBUS 112; AGBUS 115; AGBUS 200; AGRI 121
4th Semester: AGBUS 211, AGBUS 214, AGRI 221, Elective

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 62

Program Information: The mission of the Agricultural Business Management - Agronomy Associate in Applied Science degree program is to prepare students for employment in the agronomy industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the agronomy industry.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5171

Agricultural Business Management - Agronomy

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

PROGRAM COURSES:
- AGBUS 111 ECONOMICS OF AGRICULTURE 3 CR. HRS.
- AGBUS 115 COMPUTER TECHNOLOGY IN AGRICULTURE 3 CR. HRS.
- AGBUS 200 OCCUPATIONAL INTERNSHIP AND SEMINAR I 4 CR. HRS.
- AGBUS 211 AGRICULTURE BUSINESS AND FINANCIAL MANAGEMENT 3 CR. HRS.
- AGBUS 212 MARKETING AGRICULTURAL PRODUCTS 3 CR. HRS.
- AGBUS 214 OCCUPATIONAL INTERNSHIP AND SEMINAR II 4 CR. HRS.
- AGMEC 117 PRINCIPLES OF AGRICULTURAL MECHANICS 3 CR. HRS.
- AGRI 113 PRINCIPLES OF SOIL FERTILITY 3 CR. HRS.
- AGRI 121 INTRODUCTION TO PRECISION AGRICULTURE 3 CR. HRS.
- AGRI 201 CROP PRODUCTION 4 CR. HRS.
- AGRI 203 INTEGRATED PEST MANAGEMENT 4 CR. HRS.
- AGRI 221 APPLICATION OF GIS TECHNOLOGY FOR AGRICULTURE 3 CR. HRS.

ELECTIVE COURSES:
- ELECTIVE**** 3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.
** COMM 110 or 3 additional hours in composition courses numbered 111 or above, such as ENGL 111, 116, or 125
*** See specific mathematics requirements for Associate in Applied Science Degree.
**** Select electives in consultation with academic advisor. Select 3 hours from, but not limited to: AGBUS 112, 255, AGRI 111, 114, 118, 133, 134, 233, or 234.

Recommended Course Sequence:
1st Semester: ENGL 110; AGBUS 111; AGRI 112; Mathematics; Social Science
2nd Semester: AGRI 113; AGMEC 117; Humanities; Communication; Elective
Summer Semester 1: AGRI 201; AGRI 203
3rd Semester: AGBUS 115; AGBUS 200; AGRI 121, Elective
4th Semester: AGBUS 211; AGBUS 212; AGBUS 214, AGRI 221

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 62

Program Information: The mission of the Agricultural Business Management - Animal Sciences Associate in Applied Science degree program is to prepare students for employment in the animal sciences industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the animal sciences industry.

Additional Program Info: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule that meets Illinois Central College and personal requirements. Select electives in consultation with academic advisor.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5171

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Agricultural Business Management - Animal Sciences

**GENERAL COURSES:**

- **ENGL 110**  COMPOSITION I  3 CR. HRS.
- **COMMUNICATION**  3 CR. HRS.
- **SOCIAL SCIENCE**  3 CR. HRS.
- **MATHEMATICS**  3 CR. HRS.
- **AGRI 201**  CROP PRODUCTION  4 CR. HRS.
- **HUMANITIES**  3 CR. HRS.

**PROGRAM COURSES:**

- **AGBUS 111**  ECONOMICS OF AGRICULTURE  3 CR. HRS.
- **AGBUS 112**  AGRICULTURAL SALES  2 CR. HRS.
- **AGBUS 115**  COMPUTER TECHNOLOGY IN AGRICULTURE  3 CR. HRS.
- **AGBUS 200**  OCCUPATIONAL INTERNSHIP AND SEMINAR I  4 CR. HRS.
- **AGBUS 211**  AGRICULTURE BUSINESS AND FINANCIAL MANAGEMENT  3 CR. HRS.
- **AGBUS 212**  MARKETING AGRICULTURAL PRODUCTS  3 CR. HRS.
- **AGBUS 214**  OCCUPATIONAL INTERNSHIP AND SEMINAR II  4 CR. HRS.
- **AGMEC 117**  PRINCIPLES OF AGRICULTURAL MECHANICS  3 CR. HRS.
- **AGRI 111**  APPLIED LIVESTOCK PRODUCTION I  3 CR. HRS.
- **AGRI 113**  PRINCIPLES OF SOIL FERTILITY  3 CR. HRS.
- **AGRI 114**  APPLIED LIVESTOCK PRODUCTION II  3 CR. HRS.
- **AGRI 203**  INTEGRATED PEST MANAGEMENT  4 CR. HRS.

**ELECTIVE COURSES:**

- APPROVED ELECTIVES***  5 CR. HRS

* See specific requirements for Associate in Applied Science Degree.

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

***** Select electives in consultation with academic advisor. Select 5 hours from, but not limited to: AGBUS 255; AGRI 112, 118, 121, 133, 134, 221, 233, or 234.

Recommended Course Sequence:

1st Semester: ENGL 110; AGBUS 111; Mathematics; Social Science; Elective
2nd Semester: AGRI 111; AGRI 113; AGMEC 117; Communication; Humanities
Summer Semester 1: AGRI 201; AGRI 203
3rd Semester: AGBUS 112; AGBUS 115; AGBUS 200; Elective
4th Semester: AGRI 114; AGBUS 211; AGBUS 212; AGBUS 214

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For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 27

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

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5171

Agricultural Business Management - Precision Agriculture

PROGRAM COURSES:

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

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

Recommended Course Sequence:
1st Semester: AGRI 112; AGRI 121; AGBUS 115
2nd Semester: AGRI 113; AGRI 221; Mathematics, Communication, or English Elective
Summer Semester 1: AGRI 201; AGRI 203

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 27

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

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

To Remain in and Graduate From the Program: The student is encouraged to select electives that will provide additional expertise in business, marketing and sales, crop production, or livestock production.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5171

Agricultural Production

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

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

* AGBUS 118 or MATH 110 or higher; COMM 110, ENGL 110, 116
** Approved electives: AGBUS 110 or 111; AGBUS 112, 115, 211, 212; AGRI 110, 111, 114, 118, 121, 221; AGMEC 117

Recommended Course Sequence:
1st Semester: AGRI 112; Mathematics, Communication, or English Elective; Approved Elective
2nd Semester: AGRI 113; Approved Elective
Summer Semester 1: AGRI 201; AGRI 203

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 61

Program Information: The mission of the Associate of Applied Science degree in Architectural Construction is to prepare students for entry-level positions in construction firms by providing architectural drafting skills and an understanding of the fundamentals of architecture and construction.

Additional Program Info: Typical potential job titles for graduates could be internships in: architectural detailer, architectural drafter, estimator, planning technician, field inspector, sales representative, and laboratory technician. The program offers several options in tailoring the student’s studies toward career goals by implementing the appropriate electives into the program outline. Those students considering transfer of credit to a university for a baccalaureate degree should discuss their program goals and transferability of courses with their advisor.

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

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113
or Dirksen Hall, phone (309) 694-5734

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Architectural Construction Technology

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 201 TECHNICAL COMMUNICATIONS 3 CR. HRS.
- MATH 130 TECHNICAL ALGEBRA AND TRIGONOMETRY 5 CR. HRS.
- PHYS 112 TECHNICAL PHYSICS I 4 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- ARCH 131 ARCHITECTURAL CONSTRUCTION I 4 CR. HRS.
- ARCH 204 ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING I 3 CR. HRS.
- ARCTK 111 ARCHITECTURAL DRAFTING 3 CR. HRS.
- ARCTK 112 STRUCTURAL DRAFTING 3 CR. HRS.
- ARCTK 113 ELEMENTARY SURVEYING 2 CR. HRS.
- ARCTK 116 HISTORY OF ARCHITECTURE AND CONSTRUCTION 3 CR. HRS.
- ARCTK 125 SOILS AND FOUNDATION MATERIALS 3 CR. HRS.
- ARCTK 201 ARCHITECTURAL DRAFTING 4 CR. HRS.
- ARCTK 203 MECHANICS OF MATERIALS 3 CR. HRS.
- ARCTK 210 INTERNSHIP 3 CR. HRS.
- ARCTK 225 SITE DEVELOPMENT 2 CR. HRS.
- ARCTK 229 COST ESTIMATING AND CONSTRUCTION PRACTICE 3 CR. HRS.

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

* See specific requirements for Associate in Applied Science Degree.
** Approved electives: ARCH 111, 112, 205, 206; ARCTK 114, 115, 117, 118, 215, 216, 224, 227, 228, 230, or 255

Recommended Course Sequence:
1st Semester: ARCTK 111; ARCTK 113; ARCTK 116; MATH 130; ENGL 110
2nd Semester: ARCH 131; ARCTK 112; ARCTK 125; ARCH 204; ENGL 201
Summer Semester 1: ARCTK 210
3rd Semester: ARCTK 201; ARCTK 203; ARCTK 225; PHYS 112; Approved Electives
4th Semester: ARCTK 229; Approved Electives; Social Science; Humanities

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 35

Program Information: The mission of the Architectural Drafting certificate is 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.

Additional Program Info: 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 contributes to an associate degree in Architectural Construction Technology.

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.

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

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113
Dirksen Hall, (309) 694-5734

Architectural Drafting

GENERAL COURSES:

- ARCH 131 ARCHITECTURAL CONSTRUCTION I 4 CR. HRS.
- ARCH 204 ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING 3 CR. HRS.
- ARCTK 111 ARCHITECTURAL DRAFTING 3 CR. HRS.
- ARCTK 112 STRUCTURAL DRAFTING 3 CR. HRS.
- ARCTK 113 ELEMENTARY SURVEYING 2 CR. HRS.
- ARCTK 116 HISTORY OF ARCHITECTURE AND CONSTRUCTION 3 CR. HRS.
- ARCTK 125 SOILS AND FOUNDATION MATERIALS 3 CR. HRS.
- ARCTK 210 INTERNSHIP 3 CR. HRS.
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 201 TECHNICAL COMMUNICATIONS 3 CR. HRS.
- MATH 130 TECHNICAL ALGEBRA AND TRIGONOMETRY 5 CR. HRS.

Recommended Course Sequence:
1st Semester: ARCTK 111; ARCTK 113; ARCTK 116; MATH 130; ENGL 110
2nd Semester: ARCH 131; ARCTK 112; ARCTK 125; ARCH 204; ENGL 201
Summer Semester 1: ARCTK 210

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 67

Program Information: The mission of the Automotive Technology Associate in Applied Science degree program is to prepare students for employment as an entry-level technician to be employed by automobile dealers, independent repair shops, mass merchandisers, auto manufacturers, part and component distributors, and other service oriented businesses.

Additional Program Info: Students participate in an eight week internship during their sophomore year. Students are encouraged to take the National Institute for Automotive Service Excellence (ASE) exams, an evaluation program that qualifies the student as a technician in other states as well.

Accreditation: Automotive Service Excellence (ASE) certified program

Admission To the Program: Students entering the program should have mechanical aptitude and be interested in mechanical work. Students must provide their own tools for use throughout the course of study.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-8522 or (309) 694-5616

Automotive Technology

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE 3 CR. HRS.
- MATHEMATICS* or AGBUS 118 AGRICULTURAL COMPUTATIONS 3 CR. HRS.
- AUTO 115 FUEL AND IGNITIONS SYSTEMS FOR GASOLINE ENGINES 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- AUTO 110 INTERNAL COMBUSTION ENGINES 3 CR. HRS.
- AUTO 111 INTRODUCTION TO AUTOMOTIVE TECHNOLOGY 3 CR. HRS.
- AUTO 114 MOTOR VEHICLE ELECTRICAL SYSTEMS 3 CR. HRS.
- AUTO 116 ELECTRICAL ACCESSORY CIRCUITS 3 CR. HRS.
- AUTO 117 MANUAL TRANSMISSION AND DRIVE AXLES 3 CR. HRS.
- AUTO 119 AUTOMOTIVE SUSPENSION, STEERING, AND ALIGNMENT 3 CR. HRS.
- AUTO 129 AUTOMOTIVE AIR CONDITIONING SYSTEMS 3 CR. HRS.
- AUTO 201 ENGINE MACHINING AND REBUILDING 4 CR. HRS.
- AUTO 204 AUTOMOTIVE BRAKE SYSTEMS 3 CR. HRS.
- AUTO 213 ENGINE PERFORMANCE AND TESTING 3 CR. HRS.
- AUTO 218 MOTOR VEHICLE ELECTRONICS 3 CR. HRS.
- AUTO 234 AUTOMATIC TRANSMISSIONS 3 CR. HRS.
- AUTO 243 SHOP PRACTICES 4 CR. HRS.
- UTO 244 EMISSIONS AND DRIVEABILITY 3 CR. HRS.
- AUTO 250 AUTOMOTIVE INTERNSHIP 4 CR. HRS.

* See specific requirements for Associate in Applied Science degree.

Recommended Course Sequence:
1st Semester: AUTO 110; AUTO 111; AUTO 119; AUTO 114; ENGL 110
2nd Semester: AUTO 115; AUTO 116; AUTO 117; MATHEMATICS or AGBUS 118; SOCIAL SCIENCE
Summer Semester: AUTO 129; AUTO 244
3rd Semester: AUTO 234; AUTO 201; AUTO 204; HUMANITIES; COMMUNICATION
4th Semester: AUTO 243; AUTO 213; AUTO 218; AUTO 250

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 34

Program Information: The mission of the Banking and Finance certificate program is to prepare or further educate individuals employed or preparing for employment in banking or finance, so that graduates of the program may seek or continue employment as loan officers, tellers, and in other management-related positions.

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

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Banking and Finance

GENERAL COURSES:
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ENGL 110 COMPOSITION I or ENGL 125 BUSINESS COMMUNICATIONS 3 CR. HRS.

PROGRAM COURSES:
- ACCTG 105 BOOKKEEPING/ACCOUNTING I or ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- BANK 110 PRINCIPLES OF BANK OPERATIONS 3 CR. HRS.
- BANK 120 MONEY AND BANKING 3 CR. HRS.
- BUS 120 BUSINESS MATHEMATICS 3 CR. HRS.
- BUS 121 PRINCIPLES OF CUSTOMER SERVICE 3 CR. HRS.
- BUS 240 PERSONAL FINANCE 3 CR. HRS.
- MKTG 201 SALES 3 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVES* 6 CR. HRS.

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

Recommended Course Sequence:
1st Semester: ACCTG 105 or ACCTG 120; BANK 110; ENGL 110 or ENGL 125; BUS 121; Approved Elective
2nd Semester: BANK 120; BUS 120; MKTG 201; BUS 240; Approved Elective
Summer Semester 1: COMM 110

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 69

Program Information: The mission of the Caterpillar Dealer Service Technology Associate in Applied Science degree program is to prepare students for employment as a service technician in a sponsoring partner Caterpillar dealership. During this full time, two year program the student will develop the necessary skills to be a productive member of the dealership’s service team.

Additional Program Info: Each semester consists of eight weeks of technical classroom study and a required eight week dealer sponsored internship work experience. Upon graduation the student will have earned an Associates in Applied Science degree.

Accreditation: AED accredited

Admission To the Program: To be considered for the program, each candidate must take the Illinois Central College academic placement test and mechanical reasoning test to determine appropriate class placement. Students must provide their own tools for use throughout the course of study.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule that meets student needs and fulfills program requirements. To remain in and graduate from the program, student must maintain a 3.0 cumulative grade point average each semester.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
Caterpillar Dealer Service Technology Building
Room TT101
(309) 694-5716

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Caterpillar Dealer Service Technology

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE 3 CR. HRS.
- APPROVED MATHEMATICS** 3 CR. HRS.
- CATTK 110 CATERPILLAR ENGINE FUNDAMENTALS 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- CATTK 111 INTRODUCTION TO CATERPILLAR SERVICE INDUSTRY 2 CR. HRS.
- CATTK 112 FUNDAMENTALS OF HYDRAULICS 3 CR. HRS.
- CATTK 113 CATERPILLAR ENGINE FUEL SYSTEMS 3 CR. HRS.
- CATTK 114 FUNDAMENTALS OF ELECTRICAL SYSTEMS 3 CR. HRS.
- CATTK 115 AIR CONDITIONING 2 CR. HRS.
- CATTK 116 FUNDAMENTALS OF TRANSMISSIONS & TORQUE CONVERTERS 3 CR. HRS.
- CATTK 117 MACHINE HYDRAULIC SYSTEMS 3 CR. HRS.
- CATTK 150 INTERNSHIP I 4 CR. HRS.
- CATTK 151 INTERNSHIP II 4 CR. HRS.
- CATTK 200 UNDERCARRIAGE/FINAL DRIVES 3 CR. HRS.
- CATTK 201 MACHINE ELECTRONIC SYSTEMS 3 CR. HRS.
- CATTK 202 CATERPILLAR ENGINE PERFORMANCE 2 CR. HRS.
- CATTK 203 DIAGNOSTIC TESTING 1 CR. HR.
- CATTK 204 MACHINE SPECIFIC SYSTEMS 4 CR. HRS.
- CATTK 250 INTERNSHIP III 4 CR. HRS.
- CATTK 251 INTERNSHIP IV 4 CR. HRS.
- WLDTR 120 WELDING 2 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.
** Approved mathematics: AGBUS 118, BUS 120, MATH 110 or higher

Recommended Course Sequence:
1st Semester: CATTK 110; CATTK 111; WLDTR 120; CATTK 150; ENGL 110
2nd Semester: CATTK 112; CATTK 113; CATTK 114; CATTK 151; Approved Mathematics
Summer Semester 1: CATTK 115; CATTK 116; CATTK 117
3rd Semester: CATTK 200; CATTK 201; CATTK 250; COMM 110; Humanities
4th Semester: CATTK 202; CATTK 203; CATTK 204; CATTK 251; Social Science

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science**

**Total Credit Hours:** 61

**Program Information:** The mission of the Associate in Applied Science Child Development degree program is to prepare students for employment in the early childhood education field by educating them in the fundamental concepts, knowledge, along with hands-on techniques and skills of early childhood education.

**To Remain in and Graduate From the Program:** Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students must maintain a “C” or better in each program course to remain in and graduate from the program.

**Contact Information:**
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

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**Child Development**

**GENERAL COURSES:**

- ENGL 110  COMPOSITION I  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
- LABORATORY SCIENCE*  4 CR. HRS.
- HUMANITIES*  3 CR. HRS.
- MATHEMATICS*  3 CR. HRS.

**PROGRAM COURSES:**

- CHILD 110  INTRODUCTION TO EARLY CHILDHOOD  3 CR. HRS.
- CHILD 120  GROWTH AND DEVELOPMENT OF THE YOUNG CHILD  3 CR. HRS.
- CHILD 130  CURRICULUM FOR EARLY CHILDHOOD PROGRAMS  3 CR. HRS.
- CHILD 132  INFANT – TODDLER DEVELOPMENT  3 CR. HRS.
- CHILD 134  OBSERVATION AND ASSESSMENT OF YOUNG CHILDREN  3 CR. HRS.
- CHILD 140  CHILD, FAMILY, AND COMMUNITY  3 CR. HRS.
- CHILD 142  HEALTH, SAFETY, AND NUTRITION FOR THE YOUNG CHILD  3 CR. HRS.
- CHILD 200  EARLY CHILDHOOD SPECIAL EDUCATION  3 CR. HRS.
- CHILD 230  PROGRAM PLANNING  3 CR. HRS.
- CHILD 232  LANGUAGE AND LITERACY DEVELOPMENT IN EARLY CHILDHOOD  3 CR. HRS.
- CHILD 235  TEACHING DIVERSE POPULATIONS  3 CR. HRS.
- CHILD 240  CHILD DEVELOPMENT PRACTICUM I  3 CR. HRS.
- CHILD 241  CHILD DEVELOPMENT EXPERIENCES II  6 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

**Recommended Course Sequence:**

1st Semester: ENGL 110; COMM 110; CHILD 110; CHILD 120; PSY 110
2nd Semester: CHILD 134; CHILD 130; CHILD 132; CHILD 140; Laboratory Science
3rd Semester: CHILD 230; CHILD 240; Mathematics; CHILD 142; CHILD 200
4th Semester: CHILD 232; CHILD 241; CHILD 235; Humanities

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For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 18

Program Information: The mission of the Child Development - Advanced certificate is to prepare entry-level students for employment in the early childhood education field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of early childhood education. It is also to provide the requirements to receive the ECE Level 3 Credential through entitlement through ICC.

Admission To the Program: Completion of the Child Development Basic Certificate (completed beginning Fall 2014) and/or the ECE Level 2 Credential.

To Remain in and Graduate From the Program:
Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements. Student must attain a grade of "C" grade or better in each program course to be retained in and graduate from the program.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

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Child Development - Advanced

PROGRAM COURSES:

- CHILD 132 INFANT-TODDLER DEVELOPMENT 3 CR. HRS.
- CHILD 140 CHILD, FAMILY, AND COMMUNITY 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- MATH 110 CONCEPTS OF MATHEMATICS or higher 3 CR. HRS.
- CHILD 134 OBSERVATION AND ASSESSMENT OF YOUNG CHILDREN 3 CR. HRS.
- ENGL 110 COMPOSITION I 3 CR. HRS.

Recommended Course Sequence:
1st Semester: ENGL 110, PSY 110, MATH 110 or higher
2nd Semester: CHILD 132, CHILD 134, CHILD 140

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 12

Program Information: The Child Development Basic certificate is designed for the student who is seeking the child development credit hours to receive the Gateways ECE Level 2 Credential through Entitlement. Illinois Central College is an entitled institution to offer the Gateways ECE Level 2 Credential. This certificate can lead to the Child Development Advanced Certificate/Gateways ECE Level 3 Credential and the Child Development Associate in Applied Science Degree/Gateways ECE Level 4 Credential.

To Remain in and Graduate From the Program:
Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements. Student must attain a grade of "C" or better in each program course to be retained in and graduate from the program.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

Child Development - Basic

PROGRAM COURSES:

- CHILD 110  INTRODUCTION TO CHILD DEVELOPMENT  3 CR. HRS.
- CHILD 120  HUMAN GROWTH AND DEVELOPMENT  3 CR. HRS.
- CHILD 130  INTRODUCTION TO CREATIVE ACTIVITIES  3 CR. HRS.
- CHILD 142  HEALTH, SAFETY, AND NUTRITION FOR THE YOUNG CHILD  3 CR. HRS.

Recommended Course Sequence:
1st Semester: CHILD 110; CHILD 120
2nd Semester: CHILD 130; CHILD 140

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 16

Program Information: The Cisco Certified Network Associate (CCNA) certificate is designed to provide students with hands-on networking experience in associate-level technologies that focuses on core routing and switching. Instruction includes, but is not limited to networking standards, LAN protocols, WAN protocols, cabling standards, IP addressing, and various routing protocols. The certificate is career-focused and certification aligned aimed at helping students prepare for entry-level networking opportunities.

Accreditation: Cisco Certified Network Associate (CCNA) Certificate

To Remain in and Graduate From the Program:
Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students should submit an "Application for Degree/Certificate" after completing 8 hours. This form is available in Enrollment Services, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Cisco Certified Network Associate (CCNA)

PROGRAM COURSES:
- CMCIS 151 NETWORK FUNDAMENTALS 4 CR. HRS.
- CMCIS 152 ROUTING AND SWITCHING ESSENTIALS 4 CR. HRS.
- CMCIS 153 SCALING NETWORKS 4 CR. HRS.
- CMCIS 154 WAN COMMUNICATION 4 CR. HRS.

Recommended Course Sequence:
1st Semester: CMCIS 151; CMCIS 152
2nd Semester: CMCIS 153; CMCIS 154

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 15

Program Information: The Cisco Certified Network Professional (CCNP) certificate is designed to provide students with hands-on networking experience in enterprise-level networking that develops an advanced understanding of routing and switching technologies. Instruction includes, but is not limited to advanced knowledge of routing protocols, LAN protocols, WAN protocols, and further hands-on experience with enterprise-level network devices and their configurations. The certificate is career-focused and certification aligned aimed at helping students prepare for professional-level networking opportunities.

Accreditation: Cisco Certified Network Professional (CCNP) Certificate

To Remain in and Graduate From the Program:
Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students should submit an "Application for Degree/Certificate" after completing 8 hours. This form is available in Enrollment Services, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Cisco Certified Network Professional (CCNP)

PROGRAM COURSES:

- CMCIS 156  CCNA VOICE*
- or CMCIS 157  CCNA WIRELESS*
- or CMCIS 158  CCNA SECURITY*

- 3 CR. HRS.

- CMCIS 274  CCNP TROUBLESHOOTING

- 4 CR. HRS.

- CMCIS 273  CCNP SWITCH

- 4 CR. HRS.

- CMCIS 271  CCNP ROUTE

- 4 CR. HRS.

*See advisor for recommendations

Recommended Course Sequence:
1st Semester: CMCIS 271
2nd Semester: CMCIS 273, CMCIS 274; CMCIS 158 (only if CMCIS 156 or CMCIS 157 not completed)
Summer Semester 1: CMCIS 156 or CMCIS 157 (only if CMCIS 158 was not previously completed)

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 63 to 64

Program Information: The mission of the Cisco Networking Specialist degree is to prepare students for employment in the networking field through education and training on real-world networking equipment by specializing in areas of cabling, network design, core routing and switching technologies, and security concepts, as well as telephony and wireless technologies. The program is aligned to several highly sought-after Cisco certifications including the CCNA and CCNP.

To Remain in and Graduate From the Program:
Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Cisco Networking Specialist

GENERAL COURSES:
- ENGLISH* 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 7 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- CMCIS 147 FUNDAMENTALS OF VOICE AND DATA CABLELING I 4 CR. HRS.
- CMCIS 151 NETWORK FUNDAMENTALS 4 CR. HRS.
- CMCIS 152 ROUTING AND SWITCHES ESSENTIALS 4 CR. HRS.
- CMCIS 153 SCALING NETWORKS 4 CR. HRS.
- CMCIS 154 WAN COMMUNICATION 4 CR. HRS.
- CMCIS 156 CCNA VOICE** 3 CR. HRS.
  or CMCIS 157 CCNA WIRELESS**
  or CMCIS 158 CCNA SECURITY** 3 CR. HRS.
- CMCIS 271 CCNP ROUTE 4 CR. HRS.
- CMCIS 273 CCNP SWITCH 4 CR. HRS.
- CMCIS 274 CCNP TROUBLESHOOTING 4 CR. HRS.
- CMNET 140 WINDOWS ADMINISTRATION 3 CR. HRS.
- CMNET 210 WINDOWS SERVER ADMINISTRATION 3 CR. HRS.

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

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

Recommended Course Sequence:
1st Semester: CMCIS 151; CMCIS 152; CMNET 140; English
2nd Semester: CMCIS 153; CMCIS 154; CMNET 210; Laboratory Science/Mathematics
Summer Semester 1: Approved Elective; CMCIS 156 or CMCIS 157
3rd Semester: CMCIS 271; Social Science; Humanities; CMCIS 147
4th Semester: CMCIS 273; CMCIS 274; Communication; Laboratory Science/Mathematics; CMCIS 158 (only if CMCIS 156 or CMCIS 157 not completed)
Certificate

Total Credit Hours: 25

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

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

To Remain in and Graduate From the Program:
Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students should submit an "Application for Degree/Certificate" after completing 12-15 hours of the above program. The form is available in Enrollment Services, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Clerk Typist

PROGRAM COURSES:
- ACCTG 105 BOOKKEEPING/ACCOUNTING I 3 CR. HRS.
- BUS 120 BUSINESS MATHEMATICS 3 CR. HRS.
- OFACS 126 OUTLOOK 1 CR. HR.
- OFOCC 111 TELEPHONE SKILLS FOR THE OFFICE 1 CR. HR.
- OFOCC 114 FUNDAMENTALS OF TRANSCRIPTION 3 CR. HRS.
- OFOCC 151 PROFESSIONAL DEVELOPMENT FOR OFFICE EMPLOYEES 3 CR. HRS.
- OFOCC 205 FUNDAMENTALS OF RECORDS CONTROL 3 CR. HRS.
- TYPE 120 KEYBOARD/WORD PROCESSING I 3 CR. HRS.
- TYPE 121 KEYBOARDING/WORD PROCESSING II 3 CR. HRS.
- TYPE 141 TYPING SPEED DEVELOPMENT TO 50 NWPM* 1 CR. HR.
- WP 161 DATA ENTRY 1 CR. HR.

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

Recommended Course Sequence:
1st Semester: BUS 120; OFOCC 151; TYPE 120; TYPE 121; OFACS 126
2nd Semester: OFOCC 111; OFOCC 114; OFOCC 205; TYPE 141; ACCTG 105; WP 161

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 9

Program Information: The mission of the CNC Machine Operator certificate program is to prepare students with the skills and knowledge required for entry-level employment as a CNC machine operator in a manufacturing facility. Individuals will learn part design, machine setup and operation, and production.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5171
or (309) 694-5510

CNC Machine Operator

PROGRAM COURSES:
- MACTR 110 PRINT READING MECHANICAL 3 CR. HRS.
- MACTR 121 MACHINE TOOL OPERATION I 3 CR. HRS.
- NCTK 110 INTRODUCTION TO NUMERICAL CONTROL SYSTEMS 1 CR. HR.
- NCTK 212 CNC MACHINE OPERATION I 2 CR. HRS.

Recommended Course Sequence:
1st Semester: MACTR 110; MACTR 121; NCTK 110; NCTK 212

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 28

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

Additional Program Info: Students must provide the following items: safety glasses with side shields, work gloves, basic scientific calculator, and thumb drive. After completion students can pursue the HVAC Technician Certificate or HVAC/R Technology Associate in Applied Science Degree.

Admission To the Program: The HVAC Residential Installer Certificate is required to enter the program.

To Remain in and Graduate From the Program: Students must attain a grade of "C" or better in each course to remain in and graduate from the program. Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students must take the Commercial Refrigeration Industry Competency Exam (ICE) in order to graduate.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
Dirksen Building
Room 9
(309) 694-5293

Commercial Refrigeration Technician

PROGRAM COURSES:

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

Recommended Course Sequence:
1st Semester: REACT 110; REACT 118; REACT 119; REACT 120; REACT 112; ARCK 119
2nd Semester: REACT 139; REACT 130; REACT 131

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 14

Program Information: The mission of the Computed Tomography program is to prepare knowledgeable and skilled entry-level CT technologists to meet the needs of the medical community.

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

Admission To the Program: Successful completion of an accredited program in: radiologic technology, nuclear medicine technology, and/or radiation therapy technology with a minimum cumulative grade point average of 2.50. Currently hold national certification and registration in Radiography, Radiation Therapy, or Nuclear Medicine through ARRT or NMTCB. This one-semester program is offered in the spring and fall semesters with limited enrollment based on clinical availability. Drug screen, criminal background check, physical exam, and proof of immunizations, will be required following program acceptance. Required proof of current CPR certification: American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider by specified date. Proof of certification must be in the form of an original or photocopy of course completion card issued by either the AHA or ARC. Students are required to maintain current CPR certification throughout the program.

To Remain in and Graduate From the Program:
Maintain a “C” and/or “S” or better in all RADTK courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4645

Computed Tomography

PROGRAM COURSES:
- RADTK 260  SECTIONAL ANATOMY FOR DIAGNOSTIC IMAGING  3 CR. HRS.
- RADTK 270  PATHOLOGY AND PHARMACOLOGY FOR THE IMAGING PROFESSIONAL  3 CR. HRS.
- RADTK 280  COMPUTED TOMOGRAPHY PRINCIPLES, INSTRUMENTATION, AND IMAGING PROCEDURES  3 CR. HRS.
- RADTK 285  COMPUTED TOMOGRAPHY PRACTICUM  3 CR. HRS.
- RADTK 290  COMPUTED TOMOGRAPHY REVIEW  2 CR. HRS.

Recommended Course Sequence:
1st Semester: RADTK 260, RADTK 270, RADTK 280, RADTK 285, RADTK 290

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 61 to 62

Program Information: The mission of the Associate in Applied Science Computer Programming and Database Development degree is to prepare students for computer programming positions through instruction of in-depth programming skills in two different programming languages, so that the variety of computer platforms and languages available allow students diversification to meet their personal and career interests.

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

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Computer Programming
and Database Development

GENERAL COURSES:

- ENGLISH* 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- LABORATORY SCIENCE* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- BUS 120 or MATH 115 4 CR. HRS.
- BUSINESS MATHEMATICS or higher
- COLLEGE ALGEBRA

PROGRAM COURSES:

- CMPSC 115 ESSENTIALS OF PROGRAMMING 3 CR. HRS.
- CMPSC 124 EVENTDRIVEN PROGRAMMING IN VISUAL BASIC 3 CR. HRS.
- CMPSC 125 or CMPSC 135 CS I: PROGRAMMING IN C++ or JAVA 3 CR. HRS.
- CMPSC 140 INTRODUCTION TO RELATIONAL DATABASES 3 CR. HRS.
- CMPSC 200 C# PROGRAMMING 3 CR. HRS.
- CMPSC 212 or CMPSC 235 CS II: ADVANCED PROGRAMMING IN C++ or JAVA 3 CR. HRS.
- CMPSC 224 ADVANCED VISUAL BASIC 3 CR. HRS.
- CMPSC 245 STRUCTURED QUERY LANGUAGE 3 CR. HRS.
- CMPSC 249 UNIX 3 CR. HRS.
- CMPSC 265 DATABASE ADMINISTRATION 3 CR. HRS.
- CMPSC 270 STRUCTURED SYSTEM ANALYSIS 3 CR. HRS.
- CMPSC 237 MOBILE APPLICATION PROGRAMMING 3 CR. HRS.

ELECTIVE COURSES:

- APPROVED ELECTIVES** 6 CR. HRS

* See specific requirements for Associate in Applied Science Degree.
** Electives may come from any of the computer areas: CMPSC, CMGEN, CMWEB, CMNET or CMCIS.

Recommended Course Sequence:
1st Semester: BUS 120 or MATH 115; CMPSC 115; CMPSC 249; English; Approved Elective
2nd Semester: Communication; CMPSC 125 or CMPSC 135; CMPSC 140; CMPSC 124; Laboratory Science
3rd Semester: CMPSC 245; CMPSC 224; Social Science; CMPSC 212 or CMPSC 235; CMPSC 237
4th Semester: CMPSC 200; CMPSC 265; CMPSC 270; Approved Elective; Humanities

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 42

Program Information: The mission of the Computer Programming and Database Development certificate is to provide students with a working knowledge of the principles, techniques, and skills to program in a computer environment, so that individuals following this sequence of courses are prepared for entry-level employment or enhancement of their skills as a computer programmer.

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

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Program Courses:
- CMPSC 115  ESSENTIALS OF PROGRAMMING  3 CR. HRS.
- CMPSC 124  EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC  3 CR. HRS.
- CMPSC 125  CS I: PROGRAMMING IN C++
or CMPSC 135  CS I: PROGRAMMING IN JAVA  3 CR. HRS.
- CMPSC 140  INTRODUCTION TO RELATIONAL DATABASES  3 CR. HRS.
- CMPSC 212  CS II: ADVANCED PROGRAMMING IN C++
or CMPSC 235  CS II: ADVANCED PROGRAMMING IN JAVA  3 CR. HRS.
- CMPSC 224  ADVANCED VISUAL BASIC  3 CR. HRS.
- CMPSC 245  STRUCTURED QUERY LANGUAGE  3 CR. HRS.
- CMPSC 249  UNIX  3 CR. HRS.
- CMPSC 265  DATABASE ADMINISTRATION  3 CR. HRS.
- CMPSC 270  STRUCTURED SYSTEM ANALYSIS  3 CR. HRS.
- CMWEB 110  HTML AND ADVANCED INTERNET  3 CR. HRS.

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

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

Recommended Course Sequence:
1st Semester: CMWEB 110; CMPSC 115; CMPSC 249
2nd Semester: CMPSC 140; CMPSC 124; Approved Electives
3rd Semester: CMPSC 245; CMPSC 125 or CMPSC 135; Approved Electives
4th Semester: CMPSC 265; CMPSC 270; CMPSC 224; CMPSC 212 or CMPSC 235

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 25

Program Information: The mission of the Computer-Aided Mechanical Drafting Certificate program is to provide students with the knowledge and skills required for entry-level employment in computer-aided design and drafting systems. Individuals will learn manufacturing processes, welding processes, and dimensional metrology.

Additional Program Info: The student can earn the certificate as they work towards a Mechanical Engineering Technology Associate in Applied Science degree and/or a baccalaureate in Manufacturing Engineering Technology or an Industrial Technology Associate in Applied Science degree.

Admission To the Program: Math skills equivalent to two years of high school algebra and one year of high school geometry are required for admission to the program. These courses are available at the College for applicants who need to upgrade their math skills.

To Remain in and Graduate From the Program: Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-8447

Computer-Aided Mechanical Drafting

PROGRAM COURSES:
- MECTK 106 BASIC DRAFTING 2 CR. HRS.
- MECTK 110 INTRODUCTION TO THE TOOLS OF TECHNOLOGY 3 CR. HRS.
- MECTK 115 PRINCIPLES OF DIMENSIONAL METROLOGY 2 CR. HRS.
- MECTK 121 INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD 3 CR. HRS.
- MECTK 123 MECHANICAL DETAILING WITH CAD 3 CR. HRS.
- MECTK 125 3D MODELING WITH PRO-ENGINEER 4 CR. HRS.
- MECTK 138 MANUFACTURING PROCESSES I 3 CR. HRS.
- MECTK 231 INDUSTRIAL FLUID POWER 3 CR. HRS.
- WLDTR 119 WELDING PROCESSES 2 CR. HRS.

Recommended Course Sequence:
1st Semester: MECTK 110; MECTK 138; MECTK 121; MECTK 106; MECTK 115
2nd Semester: MECTK 123; MECTK 125; WLDTR 119; MECTK 231

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

**Total Credit Hours:** 67

**Program Information:** The mission of the Culinary Arts Management Associate in Applied Science degree program is to prepare students for employment in the restaurant industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

**To Remain in and Graduate From the Program:** Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.

**Contact Information:**
Culinary Arts Program  
North Campus  
Dogwood Hall  
Telephone: Last name  
(A-I): (309) 690-6890  
(J-O): (309) 690-6846  
(P-Z): (309) 690-6889

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### Culinary Arts Management

#### GENERAL COURSES:

- ENGL 110          **COMPOSITION I**  
  3 CR. HRS.
- ENGL 125 or COMM 110  
  **BUSINESS COMMUNICATIONS**  
  **COMMUNICATION: PROCESS AND PRACTICE**  
  3 CR. HRS.  
- ECONOMICS**  
  3 CR. HRS.  
- BUS 120 or APPROVED MATHEMATICS  
  **BUSINESS MATHEMATICS**  
  **LABORATORY SCIENCE**  
  4 CR. HRS.  
- HUMANITIES*  
  3 CR. HRS.

#### PROGRAM COURSES:

- CA 150  
  **PROFESSIONAL COOKING**  
  3 CR. HRS.
- CA 151  
  **ADVANCED SANITATION AND SAFETY**  
  3 CR. HRS.
- CA 153  
  **BAKING**  
  3 CR. HRS.  
- CA 155  
  **MEAT, POULTRY, AND FISH**  
  3 CR. HRS.  
- CA 156  
  **SAUCES**  
  3 CR. HRS.  
- CA 157  
  **GARDE MANAGER**  
  3 CR. HRS.  
- CA 175  
  **TOPICS IN CULINARY ARTS**  
  3 CR. HRS.  
- CA 211  
  **FOODSERVICE MARKETING**  
  3 CR. HRS.  
- CA 212  
  **FOODSERVICE COST CONTROL**  
  4 CR. HRS.  
- CA 213  
  **BEVERAGE MANAGEMENT**  
  3 CR. HRS.  
- CA 215  
  **FOODSERVICE NUTRITION AND MENU PLANNING**  
  3 CR. HRS.  
- CA 220  
  **ADVANCED PROFESSIONAL COOKING**  
  3 CR. HRS.  
- CA 225  
  **INTERNSHIP IN CULINARY ARTS**  
  3 CR. HRS.  
- CA 253  
  **ADVANCED BAKING**  
  3 CR. HRS.  
- HLTH 120  
  **FIRST AID**  
  2 CR. HRS.  
- HOS 110  
  **INTRODUCTION TO HOSPITALITY MANAGEMENT**  
  3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

**ECON 105, 110 or 111

**Recommended Course Sequence:**
1st Semester: CA 150; CA 151; ENGL 110; BUS 120 or Approved Mathematics; HOS 110  
2nd Semester: CA 153; CA 253; CA 212; CA 213; HLTH 120  
3rd Semester: CA 155; CA 157; CA 211; CA 215; Laboratory Science  
4th Semester: CA 156; CA 220; CA 225; ENGL 125 or COMM 110; Humanities  
Summer Semester 2: CA 175; Economics

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 37

Program Information: The mission of the Culinary Arts certificate program is to prepare students for entry level employment in the restaurant industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

Accreditation: Illinois Central College is a Professional Management Development Partner with the National Restaurant Association Educational Foundation. Upon completion of the certificate the student will earn the Professional Management Development (ProMgmt.) Certificate of completion.

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

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

Contact Information:
Culinary Arts Program
North Campus
Dogwood Hall
Telephone: Last name
(A-I) (309) 690-6890
(J-O) (309) 690-6846
(P-Z) (309) 690-6889

Culinary Arts Management

PROGRAM COURSES:

- BUS 120 BUSINESS MATHEMATICS
- or APPROVED MATHEMATICS 3 CR. HRS.
- CA 150 PROFESSIONAL COOKING 3 CR. HRS.
- CA 151 ADVANCED SANITATION AND SAFETY 3 CR. HRS.
- CA 153 BAKING 3 CR. HRS.
- CA 155 MEAT, POULTRY, AND FISH 3 CR. HRS.
- CA 157 GARDE MANAGER 3 CR. HRS.
- CA 211 FOODSERVICE MARKETING 3 CR. HRS.
- CA 212 FOODSERVICE COST CONTROL 4 CR. HRS.
- CA 213 BEVERAGE MANAGEMENT 3 CR. HRS.
- CA 215 FOODSERVICE NUTRITION AND MENU PLANNING 3 CR. HRS.
- ENGL 110 COMPOSITION I 3 CR. HRS.
- HOS 110 INTRODUCTION TO HOSPITALITY MANAGEMENT 3 CR. HRS.

Recommended Course Sequence:
1st Semester: CA 150; CA 151; CA 153; CA 155
2nd Semester: CA 211; CA 213; CA 215; BUS 120 or Approved Mathematics
3rd Semester: HOS 110; ENGL 110; CA 212; CA 157

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 31 to 32

Program Information: The mission of the Customer Service Professional certificate is to merge the student's office/technological skills with the human relations/management skills needed by customer service personnel, so that students may enhance an existing degree program, or may seek to move into a degree program.

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 is a prerequisite for entering this program. Contact the Business, Hospitality, and Information Systems Department regarding the TYPE 120 placement exam and the TYPE 121 proficiency exam.

To Remain in and Graduate From the Program: Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Customer Service Professional

**PROGRAM COURSES:**

- **ACCTG 105**  BOOKKEEPING/ACCOUNTING I
  - or  **ACCTG 120**  FINANCIAL ACCOUNTING  4 CR. HRS.
- **BUS 120**  BUSINESS MATHEMATICS  3 CR. HRS.
- **BUS 121**  PRINCIPLES OF CUSTOMER SERVICE  3 CR. HRS.
- **BUS 215**  LEGAL ENVIRONMENT OF BUSINESS  3 CR. HRS.
- **MGMT 113**  PRINCIPLES OF MANAGEMENT  3 CR. HRS.
- **OFACS 132**  ELECTRONIC SPREADSHEETS
  - or  **OFACS 211**  INTEGRATED OFFICE PROJECTS  3 CR. HRS.
- **OFOCC 111**  TELEPHONE SKILLS FOR THE OFFICE  1 CR. HR.
- **OFOCC 151**  PROFESSIONAL DEVELOPMENT FOR OFFICE EMPLOYEES  3 CR. HRS.
- **OFOCC 205**  FUNDAMENTALS OF RECORDS CONTROL  3 CR. HRS.
- **OFOCC 210**  ADMINISTRATIVE OFFICE PROCEDURES  3 CR. HRS.
- **TYPE 121**  KEYBOARDING/WORD PROCESSING II  3 CR. HRS.

Recommended Course Sequence:

1st Semester: ACCTG 105 or ACCTG 120; BUS 120; TYPE 121; OFOCC 151; OFOCC 111
2nd Semester: BUS 121; MGMT 113; OFOCC 205; OFACS 132 or OFACS 211
3rd Semester: OFOCC 210; BUS 215

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 7

Program Information: The mission of the Data Entry Clerk certificate is to prepare students who wish to be employed in the area of data entry utilizing numeric and alphanumeric keypads, with the knowledge, speed, and accuracy necessary for entry-level employment.

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

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 is a prerequisite for entering this program.

To Remain in and Graduate From the Program: Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students should submit an “Application for Degree/Certificate” after completing 5 hours. The form is available in Enrollment Services, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

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Data Entry Clerk

PROGRAM COURSES:

- OFOCC 111  TELEPHONE SKILLS FOR THE OFFICE  1 CR. HR.
- TYPE 121  KEYBOARDING/WORD PROCESSING II
  or  CMGEN 110  INTRODUCTION TO WINDOWS  3 CR. HRS.
- TYPE 140  TYPING SPEED DEVELOPMENT TO 40 NWPM*  1 CR. HR.
- TYPE 141  TYPING SPEED DEVELOPMENT TO 50 NWPM*  1 CR. HR.
- WP 161  DATA ENTRY  1 CR. HR.

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

Recommended Course Sequence:
1st Semester: TYPE 121 or CMGEN 110; OFOCC 111; TYPE 140; TYPE 141; WP 161

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 7

Program Information: The mission of the Deconstruction certificate is to prepare students for employment in the deconstruction and building material salvage, reuse and recycling industries. The sequence of online courses combined with infield experiential learning opportunities serves to educate them in knowledge, skills, and behaviors to entry-level positions in construction, deconstruction, or material salvage crews.

Additional Program Info: Applicants will be required to earn a certificate of completion for the Occupational Safety and Health Administration (OSHA) 10-hour Construction Training Course prior to enrollment in DECON 104. Applicants must also earn a certificate for the US Environmental Protection Agency (EPA) Lead-Safe Renovation, Repair and Painting (RRP) prior to completion of the Deconstruction Certificate Program.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

Deconstruction

PROGRAM COURSES:
- DECON 101 INTRODUCTION TO DECONSTRUCTION 1 CR. HR.
- DECON 102 DECONSTRUCTION METHODS AND MATERIALS 2 CR. HRS.
- DECON 103 PRINCIPLES OF DECONSTRUCTION ASSESSMENT 2 CR. HRS.
- DECON 104 DECONSTRUCTION PROJECT 2 CR. HRS.

Recommended Course Sequence:
1st Semester: DECON 101; DECON 102; DECON 103; DECON 104

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 81.5

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

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

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

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

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher or ACT reading score of 18 or higher. OR completion of 18 or more credit hours of college transfer level courses (110 or higher) at ICC or equivalent courses at other colleges with a "C" or better. OR completion of 18 credit hours of "program' courses at ICC or other colleges with a "C" or better. One year high school chemistry with a "C" average or higher OR completion of an equivalent college chemistry course with a "C" or better. One year of another high school science with a "C" average or higher OR completion of an equivalent college science course with a "C" or better. One year of high school algebra with a "C" average or higher OR completion of MAT 094 or MAT 097 or MAT 099 with a "C" or better OR placed into MAT 098 or higher. One year high school geometry with a "C" average or higher OR completion of an equivalent college geometry course with a "C" or better OR tested out of MAT 095. Basic Nutrition, Chemistry, Human Anatomy and Physiology, and Microbiology must be completed within five (5) years of admission to the program.

To Remain in and Graduate From the Program: A grade of "C" or better in all DHYGN courses, BIOL 140, BIOL 210, CHEM 115, and FCS 110.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

Dental Hygienist

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY 4 CR. HRS.
- CHEM 115 FOUNDATIONS OF CHEMISTRY 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- BIOL 210 MICROBIOLOGY 4 CR. HRS.
- DHYGN 110 DENTAL SCIENCE I 3 CR. HRS.
- DHYGN 111 DENTAL SCIENCE II 3 CR. HRS.
- DHYGN 113 FUNDAMENTALS OF DENTAL HYGIENE AND INFECTION CONTROL 1.5 CR. HRS.
- DHYGN 115 INTRODUCTION TO DENTAL HYGIENE 1 CR. HR.
- DHYGN 117 DENTAL SPECIALTIES 1 CR. HR.
- DHYGN 131 INTRODUCTION TO DENTAL HYGIENE CLINICAL APPLICATIONS 2 CR. HRS.
- DHYGN 133 PRECLINICAL DENTAL HYGIENE 2 CR. HRS.
- DHYGN 135 DENTAL RADIOLOGY 3 CR. HRS.
- DHYGN 137 MEDICAL EMERGENCIES 1 CR. HR.
- DHYGN 139 SPECIAL POPULATIONS 1 CR. HR.
- DHYGN 210 COMMUNITY DENTAL HEALTH 3 CR. HRS.
- DHYGN 212 DENTAL MATERIALS 2 CR. HRS.
- DHYGN 220 NITROUS OXIDE ANALGESIA 0.5 CR. HR.
- DHYGN 222 PREVENTIVE MODALITIES 3 CR. HRS.
- DHYGN 226 LOCAL ANESTHETICS FOR THE DENTAL HYGIENIST 1 CR. HR.
- DHYGN 228 NEW DIMENSIONS IN DENTAL HYGIENE 2 CR. HRS.
- DHYGN 230 DENTAL HYGIENE CLINIC I 2 CR. HRS.
- DHYGN 231 DENTAL HYGIENE CLINIC II 5 CR. HRS.
- DHYGN 232 DENTAL HYGIENE CLINIC III 4 CR. HRS.
- DHYGN 243 ORAL PATHOLOGY I 1 CR. HR.
- DHYGN 244 PERIODONTALYSIS 2 CR. HRS.
- DHYGN 245 ORAL PATHOLOGY II 2 CR. HRS.
- DHYGN 246 TRANSITIONS FOR THE DENTAL HYGIENIST 3 CR. HRS.
- DHYGN 247 OFFICE PRACTICES IN DENTISTRY 1.5 CR. HRS.
- DHYGN 248 PHARMACOLOGY I FOR DENTAL HYGIENISTS 1 CR. HR.
- DHYGN 249 PHARMACOLOGY II FOR DENTAL HYGIENISTS 1 CR. HR.
- FCS 110 BASIC NUTRITION** 2 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 CR. HRS.

* See specific requirements for Associate in Applied Science degree.

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

Recommended Course Sequence:
Previous Semester (for pre-program courses): BIOL 140; CHEM 115
1st Semester: ENGL 110; BIOL 210; DHYGN 110; DHYGN 113; DHYGN 115; DHYGN 117; Humanities
2nd Semester: COMM 110; FCS 110; DHYGN 111; DHYGN 131; DHYGN 133; DHYGN 135; DHYGN 137; DHYGN 139
Summer Semester: 1: DHYGN 212; DHYGN 220; DHYGN 222; DHYGN 230; DHYGN 243 3rd Semester: DHYGN 210; DHYGN 226; DHYGN 228; DHYGN 231; DHYGN 244; DHYGN 245; DHYGN 248
4th Semester: SOC 110; PSY 110; DHYGN 232; DHYGN 246; DHYGN 247; DHYGN 249

For the most up-to-date program requirements, go online to the College catalog: 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.
## Diesel Powered Equipment Technology

### GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- AGBUS 118 AGRICULTURAL COMPUTATIONS 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- DPET 130 PRINCIPLES OF INTERNAL COMBUSTION ENGINES 4 CR. HRS.

### PROGRAM COURSES:
- DPET 132 ELECTRICAL SYSTEMS OF HEAVY EQUIPMENT 3 CR. HRS.
- DPET 133 ENGINE REBUILDING, THEORY AND PRACTICE 3 CR. HRS.
- DPET 134 AIR CONDITIONING OF HEAVY EQUIPMENT 3 CR. HRS.
- DPET 229 HYDRAULICS 3 CR. HRS.
- DPET 230 HARVESTING EQUIPMENT 2 CR. HRS.
- DPET 231 PLANTING AND TILLAGE EQUIPMENT 2 CR. HRS.
- DPET 232 TRANSMISSIONS AND FINAL DRIVE 3 CR. HRS.
- DPET 233 OCCUPATIONAL INTERNSHIP AND SEMINAR I 4 CR. HRS.
- DPET 234 INTRODUCTION TO DIESEL FUEL SYSTEMS 2 CR. HRS.
- DPET 235 ELECTRONIC CONTROLS/MONITORING SYSTEMS 3 CR. HRS.
- DPET 236 HYDRAULIC SYSTEM ANALYSIS AND REPAIRS 3 CR. HRS.
- DPET 238 OCCUPATIONAL INTERNSHIP AND SEMINAR II 4 CR. HRS.
- DPET 239 POWER TRAIN DIAGNOSTICS 2 CR. HRS.
- DPET 240 SERVICE CENTER MANAGEMENT 1 CR. HR.
- DPET 241 MECHANICAL DIESEL FUEL SYSTEMS 3 CR. HRS.
- DPET 242 ELECTRONIC FUEL SYSTEMS 3 CR. HRS.
- DPET 243 ENGINE PERFORMANCE ANALYSIS 2 CR. HRS.
- DPET 244 GUIDANCE SYSTEMS 2 CR. HRS.
- DPET 245 TRUCK SUSPENSION, BRAKES AND CHASSIS 3 CR. HRS.
- DPET 246 INDUSTRY QUALIFICATIONS 2 CR. HRS.

*See specific requirements for Associate in Applied Science Degree.

### Recommended Course Sequence:
1st Semester: DPET 132; DPET 130; DPET 229; AGBUS 118; ENGL 110
2nd Semester: DPET 133; DPET 234; DPET 235; DPET 240; Communication; Social Science
Summer Semester 1: DPET 230; DPET 231; DPET 232; DPET 134
3rd Semester: DPET 233; DPET 245; DPET 241; DPET 242; DPET 244
4th Semester: DPET 236; DPET 238; DPET 239; DPET 243; DPET 246; Humanities

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**Associate in Applied Science**

**Total Credit Hours:** 72

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

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

**Admission To the Program:** High school graduate or equivalent. Candidate applications are screened. Acceptance into the program is based on the caliber of competing applications and departmental approval. Applicants must submit separate application materials for the DPET Program to the Program Coordinator. Applicants must schedule an on-campus meeting with the Program Coordinator. Application forms, procedures and policies are available from the Program Coordinator at the DPET Building or by calling (309) 694-8445 or 694-5616. Students enter the program during the fall semester only. Deadline dates for complete applications are December 1, and April 1, to be considered for the following fall semester. Applications received after April 1 will be considered should openings occur prior to the start of fall semester. High School Recommendations: 3 years English, 2 years mathematics, agriculture mechanics and/or auto mechanics, welding, agriculture course work.

**To Remain in and Graduate From the Program:** Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. To remain in and graduate from the program: "C" or better in all required general education and DPET program courses and pass a substance abuse screening.

**Contact Information:**
Agricultural and Industrial Technologies Department  
East Peoria Campus  
AIT Building  
Room 118  
(309) 694-8445 or (309) 694-5616

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For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 9

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

Additional Program Info: The Digital Imaging certificate is one of four certificates that can be earned while working towards the Digital Publishing Certificate or Graphic Communications Associate in Applied Science degree.

To Remain in and Graduate From the Program:
Students enrolled in this certificate must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Graphic Communications Program Coordinator
East Peoria Campus
AIT Building
Room 209
(309) 694-5510

Digital Imaging

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

Recommended Course Sequence:
1st Semester: GCOMM 235; GCOMM 250; GCOMM 251

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 34

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

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

Contact Information:
Graphic Communication and Digital Publishing Coordinator
East Peoria Campus
AIT Building
Room 241
(309) 694-5147

Digital Publishing

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

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

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

**Total Credit Hours:** 61

**Program Information:** The mission of the Associate in Applied Science Drug and Alcohol Counselor Training degree is to prepare students to work as a professional in the field of drug and alcohol treatment. After completing the curriculum, students can complete the Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification exam.

**Additional Program Info:** In addition to the listed general education requirements, students will be exposed to a variety of issues and counseling skills specific to the needs of the chemically dependent client. This training will provide employment opportunities in a variety of community mental health programs or other Illinois Department of Alcohol and Substance Abuse recognized chemical dependency programs. The core classes listed in this curriculum will also qualify as accepted continuing education credits for those students who are currently certified in pursuit of continuing education specific to the profession of drug and alcohol counseling.

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

**To Remain in and Graduate From the Program:**
Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

**Contact Information:**
Social Sciences and Public Services Department
North Campus
Drug and Alcohol Counselor Training Office
(309) 690-6898

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### Drug and Alcohol Counselor Training

**GENERAL COURSES:**

- ENGL 110  COMPOSITION I  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
- BIOL 140  HUMAN ANATOMY AND PHYSIOLOGY  4 CR. HRS.
- MATHMATICS*  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.

**PROGRAM COURSES:**

- DACT 110  FOUNDATIONS I  3 CR. HRS.
- DACT 111  ADDICTION COUNSELING I  3 CR. HRS.
- DACT 112  FOUNDATIONS II  3 CR. HRS.
- DACT 113  ADDICTION COUNSELING II  3 CR. HRS.
- DACT 210  ADDICTION COUNSELING III  3 CR. HRS.
- DACT 211  COUNSELING AND HUMAN CHANGE  3 CR. HRS.
- DACT 212  INTERNSHIP SEMINAR  9 CR. HRS.
- HUMSV 110  INTRODUCTION TO HUMAN SERVICES  3 CR. HRS.
- PSY 112  PERSONALITY  3 CR. HRS.
- PSY 225  ABNORMAL PSYCHOLOGY  3 CR. HRS.
- PSY 250  INTRODUCTION TO RESEARCH METHODS IN THE BEHAVIORAL SCIENCES  3 CR. HRS.

**ELECTIVE COURSES:**

- PSYCHOLOGY/SOCIOLOGY ELECTIVE**  3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

** SOC 120, 219, PSY 202, 210

**Recommended Course Sequence:**

1st Semester: PSY 110; BIOL 140; DACT 110; DACT 111; HUMSV 110; ENGL 110

2nd Semester: COMM 110; DACT 112; DACT 113; Mathematics

3rd Semester: PSY 112; DACT 210; DACT 211; PSY 225; Humanities; PSY/SOC Electives

4th Semester: PSY 250; DACT 212

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For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 27

Program Information: The mission of the Drug and Alcohol Counselor Training certificate is to prepare students to work as a professional in the field of drug and alcohol treatment. After completing the curriculum, students can complete the Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA) certification exam.

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

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

Contact Information:
Social Sciences and Public Services Department
North Campus
Drug and Alcohol Counselor Training Office
(309) 690-6898

Drug and Alcohol Counselor Training

PROGRAM COURSES:
- DACT 110 FOUNDATIONS I 3 CR. HRS.
- DACT 111 ADDICTION COUNSELING I 3 CR. HRS.
- DACT 112 FOUNDATIONS II 3 CR. HRS.
- DACT 113 ADDICTION COUNSELING II 3 CR. HRS.
- DACT 210 ADDICTION COUNSELING III 3 CR. HRS.
- DACT 211 COUNSELING AND HUMAN CHANGE 3 CR. HRS.
- DACT 212 INTERNSHIP SEMINAR 9 CR. HRS.

Recommended Course Sequence:
1st Semester: DACT 110; DACT 111
2nd Semester: DACT 112; DACT 113
3rd Semester: DACT 210; DACT 211
4th Semester: DACT 212

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 33 to 34

Program Information: The mission of the E-Commerce certificate program is to prepare students to utilize current technologies in e-commerce site creation in business and industry by providing hands-on instruction and development of a portfolio of work.

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

Accreditation: Accredited by Webprofessionals.org as a Web Professional Academy

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

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

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E-Commerce

PROGRAM COURSES:
- ACCTG 105 BOOKKEEPING/ACCOUNTING I 4 CR. HRS.
- or ACCTG 120 FINANCIAL ACCOUNTING
- BUS 110 INTRODUCTION TO BUSINESS 3 CR. HRS.
- CMWEB 110 HTML AND ADVANCED INTERNET 3 CR. HRS.
- CMWEB 115 WRITING FOR THE WWW 3 CR. HRS.
- CMWEB 120 BUILDING WEB PAGES WITH HTML AND CSS 3 CR. HRS.
- CMWEB 130 WEB TECHNOLOGY AND BUSINESS 3 CR. HRS.
- CMWEB 135 BUSINESS USE OF SOCIAL MEDIA 3 CR. HRS.
- CMWEB 140 ELECTRONIC COMMERCE 3 CR. HRS.
- CMWEB 155 WEB USER EXPERIENCE DESIGN 3 CR. HRS.
- CMWEB 270 WEB APPLICATION SECURITY 3 CR. HRS.
- MKTG 112 PRINCIPLES OF MARKETING 3 CR. HRS.

Recommended Course Sequence:
1st Semester: CMWEB 110; CMWEB 115; CMWEB 130; CMWEB 135; BUS 110
2nd Semester: CMWEB 120; CMWEB 140; CMWEB 155; CMWEB 270; ACCTG 105 or ACCTG 120
Summer Semester 1: MKTG 112

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 26

Program Information: The mission of the Electronics Servicing Certificate program is to use lecture and hands-on laboratory experience to prepare students for employment in the electronics field by educating them in the knowledge, skills, and behaviors as an entry-level electronics technician.

Admission To the Program: Applicant for admission to this curriculum should have a marked interest in electronic servicing.

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

Contact Information:
Agriculture and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5526

Electronics Servicing

PROGRAM COURSES:
- ELCTS 131 INTRODUCTION TO BASIC ELECTRICITY 2 CR. HRS.
- ELCTS 132 SERVICE ELECTRONICS D.C. CIRCUITS 2 CR. HRS.
- ELCTS 133 SERVICE ELECTRONICS - A.C. CIRCUITS 2 CR. HRS.
- ELCTS 134 SERVICE ELECTRONICS - BASIC SOLID STATE 2 CR. HRS.
- ELCTS 136 SERVICE ELECTRONICS-DIGITAL CIRCUITS 2 CR. HRS.
- MAT 106 APPLIED ALGEBRA, GEOMETRY 4 CR. HRS.

ELECTIVE COURSES:
- ELECTIVES* 12 CR. HRS.

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

Recommended Course Sequence:
1st Semester: ELCTS 131; ELCTS 132; MAT 106
2nd Semester: ELCTS 133; ELCTS 134; ELCTS 136
3rd Semester: Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science
Total Credit Hours: 64 to 68

Program Information: The mission of the Electronics Technology Associate in Applied Science degree program is to prepare students for employment in the electronics field by educating them in the knowledge, skills, and behaviors as an electronics technician.

Admission To the Program: Recommended high school courses include three years of mathematics, including geometry, and two years of algebra. 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.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agriculture and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5526

Electronics Technology

GENERAL COURSES:
- ENGLISH* 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 7 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- CMCIS 147 or CMCIS 151 FUNDAMENTALS OF VOICE AND DATA CABLING 4 CR. HRS.
- ELCTK 111 RESIDENTIAL AND COMMERCIAL WIRING 2 CR. HRS.
- ELCTK 112 ELECTRONIC CAD APPLICATIONS I 2 CR. HRS.
- ELCTK 150 INDUSTRIAL ELECTRICITY 4 CR. HRS.
- ELCTK 220 TRANSUDCERS AND ELECTRONIC INSTRUMENTS 4 CR. HRS.
- ELCTK 230 ADVANCED SOLID STATE ELECTRONICS 3 CR. HRS.
- ELCTK 245 MICROPROCESSORS AND MICROCONTROLLERS 4 CR. HRS.
- ELCTK 246 MICROCONTROLLER SYSTEMS AND APPLICATIONS 3 CR. HRS.
- ELCTK 250 ELECTRONIC COMMUNICATIONS 3 CR. HRS.
- ELCTK 255 INDEPENDENT STUDY 1-5 CR. HRS.
- ELCTS 131 INTRODUCTION TO BASIC ELECTRICITY 2 CR. HRS.
- ELCTS 132 SERVICE ELECTRONICS - D.C. CIRCUITS 2 CR. HRS.
- ELCTS 133 SERVICE ELECTRONICS - A.C. CIRCUITS 2 CR. HRS.
- ELCTS 134 SERVICE ELECTRONICS - BASIC SOLID STATE 2 CR. HRS.
- ELCTS 135 SERVICE ELECTRONICS - ADVANCED SOLID STATE 2 CR. HRS.
- ELCTS 136 SERVICE ELECTRONICS - DIGITAL CIRCUITS 2 CR. HRS.
- MECTK 231 INDUSTRIAL FLUID POWER 3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: ELCTS 131; ELCTS 132; ELCTS 133; ELCTK 111; Mathematics; English
2nd Semester: ELCTS 134; ELCTS 135; ELCTS 136; ELCTK 112; ELCTK 150; Laboratory Science
3rd Semester: ELCTK 220; ELCTK 245; ELCTK 250; CMCIS 147 or CMCIS 151; MECTK 231; Communication
4th Semester: ELCTK 230; ELCTK 246; ELCTK 255; Social Science; Humanities

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 12

Program Information: The mission of the Emergency Management certificate is designed for students and 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 science, or emergency medical service and work with all other agencies to ensure a timely and effective response to emergency situations.

Additional Program Info: 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. The 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. This certificate program is online. Please contact the Virtual Campus Office for more information, (309) 694-8888, or icc.edu/VirtualCampus.

Contact Information:
Social Sciences and Public Services Department
North Campus
Cedar Hall
(309) 690-7691

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Emergency Management

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<th>PROGRAM COURSES:</th>
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<td>CRJ 113</td>
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<td>CRJ 282</td>
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Recommended Course Sequence:
1st Semester: CRJ 113; CRJ 122
2nd Semester: CRJ 282; CRJ 283

For the most up-to-date program requirements, go online to the College catalog: 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.
Program Information: The mission of the Associate in Applied Science Finance program of study is to prepare students for employment in financial institutions, government, and other positions that relate to financial matters, by educating them in the knowledge and skills concerning personal or private finance. This program is also ideal for those wishing to upgrade their skills for possible promotion or for an increase or change in job responsibilities. The program is not designed for college transfer, although some individual courses and/or the program may transfer with approval from four-year institutions.

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

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 60 to 66

Program Information: The mission of the Associate in Applied Science Fire Science Technology program is for current employees as well as students who are interested in careers in the fire services, inspections, investigation, or fire protection engineering.

Additional Program Info: The comprehensive program delivers information in fire prevention, suppression, and loss control delivered to active fire fighters in government or industry (paid or volunteer).

Admission To the Program: Students must complete basic skills placement testing before admission into this program. Students with no previous fire service are required to attend the internship session.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Social Sciences and Public Services Department
North Campus
(309) 690-7696

Fire Science Technology

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- LABORATORY SCIENCE** 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- FRSTK 110 INTRODUCTION TO FIRE SCIENCE 3 CR. HRS.
- FRSTK 114 FIREFIGHTING TACTICS AND STRATEGY 3 CR. HRS.
- FRSTK 190 LEGAL ISSUES IN THE FIRE SERVICE 3 CR. HRS.
- FRSTK 201 INTERNSHIP, FIRE SERVICE APPROVED ELECTIVE 3 CR. HRS.
- FRSTK 227 CHEMISTRY OF FLAMMABLE, HAZARDOUS MATERIALS 3 CR. HRS.
- FRSTK 228 CHEMISTRY OF EXPLOSIVE AND TOXIC MATERIALS. 3 CR. HRS.
- FRSTK 230 FIRE SERVICE HYDRAULICS 3 CR. HRS.
- FRSTK 250 FIRE SERVICE MANAGEMENT I 3 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVES 3-6 CR. HRS.
- HEALTH ELECTIVE*** 2-3 CR. HRS.
- APPROVED FIRE SCIENCE ELECTIVES**** 1-5 CR. HRS.

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

Recommended Course Sequence:
1st Semester: FRSTK 110; ENGL 110; Health Elective; Mathematics
2nd Semester: FRSTK 227 or FRSTK 228; COMM 110; Laboratory Science; Approved Fire Science; Approved Fire Science Summer Semester 1: FRSTK 201 or Approved Elective
3rd Semester: FRSTK 114; FRSTK 230; PSY 110; Approved Fire Science; Approved Fire Science; FRSTK 190
4th Semester: FRSTK 250; Humanities; Approved Fire Science Electives; Approved Electives

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 30

Program Information: The mission of the Fire Science Technology certificate program is for current employees as well as students who are interested in careers in the fire services, inspections, investigation, or fire protection engineering.

Admission To the Program: Students must complete basic skills placement testing before admission into this program. Students with no previous fire service are required to attend the internship session.

To Remain in and Graduate From the Program: Students enrolled in the Fire Science certificate program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Social Sciences and Public Services
North Campus
(309) 690-7696

Fire Science Technology

PROGRAM COURSES:

- EMT 110 EMERGENCY MEDICAL TECHNICIAN BASIC I 3 CR. HRS.
- FRSTK 110 INTRODUCTION TO FIRE SCIENCE 3 CR. HRS.
- FRSTK 111 BASIC INSTRUCTOR TRAINING FOR THE FIRE SERVICE 3 CR. HRS.
- FRSTK 112 FIRE PREVENTION AND LEGAL ASPECTS OF FIRE PROTECTION 3 CR. HRS.
- FRSTK 114 FIREFIGHTING TACTICS AND STRATEGY 3 CR. HRS.
- FRSTK 190 LEGAL ISSUES IN THE FIRE SERVICE 3 CR. HRS.
- FRSTK 201 INTERNSHIP, FIRE SERVICE or FRSTK ELECTIVE* 3 CR. HRS.
- FRSTK 227 CHEMISTRY OF FLAMMABLE, HAZARDOUS MATERIALS 3 CR. HRS.
- FRSTK 230 FIRE SERVICE HYDRAULICS 3 CR. HRS.
- FRSTK 250 FIRE SERVICE MANAGEMENT I 3 CR. HRS.

* Select elective from any FRSTK course or EMT 111

Recommended Course Sequence:
1st Semester: FRSTK 110; FRSTK 112; FRSTK 114; FRSTK 190; FRSTK 230
2nd Semester: FRSTK 111; FRSTK 201 or FRSTK Elective; FRSTK 227; FRSTK 250; EMT 110

For the most up-to-date program requirements, go online to the College catalog: 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.
General Motors Automotive Service Educational Program (GM-ASEP)

**GENERAL COURSES:**
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 110  COMMUNICATION*  3 CR. HRS.
- ENGL 110  SOCIAL SCIENCE*  3 CR. HRS.
- AGBUS 118  AGRICULTURAL COMPUTATIONS  3 CR. HRS.
- ASE P 221  INTERNAL COMBUSTION ENGINES  4 CR. HRS.
- ASE P 221  HUMANITIES*  3 CR. HRS.

**PROGRAM COURSES:**
- ASE P 112  INTRODUCTION TO GM-ASEP  2 CR. HRS.
- ASE P 115  ELECTRICAL SYSTEMS I  3 CR. HRS.
- ASE P 117  AUTOMOTIVE SUSPENSION, STEERING, AND ALIGNMENT  3 CR. HRS.
- ASE P 125  ELECTRICAL SYSTEMS II  3 CR. HRS.
- ASE P 129  AUTOMOTIVE BRAKE SYSTEMS  3 CR. HRS.
- ASE P 132  AUTOMOTIVE HVAC  3 CR. HRS.
- ASE P 133  ENGINE PERFORMANCE I  3 CR. HRS.
- ASE P 137  MANUAL DRIVETRAINS  3 CR. HRS.
- ASE P 150  INTERNSHIP  4 CR. HRS.
- ASE P 151  INTERNSHIP  4 CR. HRS.
- ASE P 210  ENGINE PERFORMANCE II  2 CR. HRS.
- ASE P 215  ELECTRICAL SYSTEMS III  3 CR. HRS.
- ASE P 217  AUTOMATIC TRANSMISSIONS  3 CR. HRS.
- ASE P 229  EMISSIONS AND DRIVABILITY  3 CR. HRS.
- ASE P 250  INTERNSHIP  4 CR. HRS.
- ASE P 251  INTERNSHIP  4 CR. HRS.

* See specific requirements for Associate in Applied Science degree.

**Recommended Course Sequence:**
1st Semester: ASE P 112; ASE P 115; ASE P 117; ENGL 110; ASE P 150
2nd Semester: ASE P 125; ASE P 129; ASE P 151
Summer Semester: ASE P 132; ASE P 133; ASE P 137; Humanities
3rd Semester: ASE P 210; ASE P 215; ASE P 217; ASE P 250; AGBUS 118
4th Semester: ASE P 221; ASE P 229; Communications; ASE P 251; Social Science
Associate in Applied Science
Total Credit Hours: 61

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

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Graphic Communication and Digital Publishing Coordinator
East Peoria Campus
AIT Building
Room 241
(309) 694-5147

Graphic Communications

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- LABORATORY SCIENCE* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:

- GCOMM 110 INTRODUCTION TO GRAPHIC COMMUNICATIONS 4 CR. HRS.
- GCOMM 112 VECTOR GRAPHICS WITH ADOBE ILLUSTRATOR 3 CR. HRS.
- GCOMM 130 PAGE LAYOUT WITH ADOBE INDESIGN 3 CR. HRS.
- GCOMM 140 PRINTING METHODS 4 CR. HRS.
- GCOMM 150 PRODUCTION TECHNIQUES AND PROCESSES 3 CR. HRS.
- GCOMM 230 ADVANCE PAGE LAYOUT AND INTERACTIVE CROSS MEDIA 3 CR. HRS.
- GCOMM 235 DIGITAL PHOTOGRAPHY AND SCANNING FOR PUBLISHING 3 CR. HRS.
- GCOMM 245 WEB PUBLISHING WITH ADOBE DREAMWEAVER 3 CR. HRS.
- GCOMM 247 ADVANCE WEB PUBLISHING WITH ADOBE DREAMWEAVER AND FLASH 3 CR. HRS.
- GCOMM 250 BEGINNING ADOBE PHOTOSHOP TECHNIQUES 3 CR. HRS.
- GCOMM 251 ADVANCED ADOBE PHOTOSHOP TECHNIQUES 3 CR. HRS.
- GRDSN 140 GRAPHIC DESIGN I 3 CR. HRS.
- GRDSN 142 TYPOGRAPHY 3 CR. HRS.

ELECTIVE COURSES:

- APPROVED ELECTIVE 1 CR. HR.

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: GCOMM 110, GCOMM 112, GCOMM 130; GCOMM 235, GCOMM 250
2nd Semester: GCOMM 140; GCOMM 150; GCOMM 230; GCOMM 251; ENGL 110
3rd Semester: GCOMM 245; GRDSN 140; COMM 110; PSY 110; Mathematics; Approved Elective
4th Semester: GCOMM 247; GRDSN 142; Laboratory Science; Humanities
Associate in Applied Science

Total Credit Hours: 62 to 63

Program Information: The Graphic Design career degree prepares students to work in a creative, visual communication field as an entry-level production artist. This program of study emphasizes the design process; the development of conceptual and compositional skills; technical proficiency with industry standard computer hardware, software, and peripheral devices; and creative problem solving with respect to visual communication. Upon completion of the degree, students will have created a portfolio of their work as required by employers in the design industry.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

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

Graphic Design

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- COMM 110 SOCIAL SCIENCE* 3 CR. HRS.
- COMM 110 LABORATORY SCIENCE* 4 CR. HRS.
- ART 151 ART MATHEMATICS* 3-4 CR. HRS.

PROGRAM COURSES:

- ART 111 2D DESIGN 3 CR. HRS.
- ART 120 DRAWING I 3 CR. HRS.
- GRDSN 140 GRAPHIC DESIGN I 3 CR. HRS.
- GRDSN 141 INTRODUCTION TO ILLUSTRATION 3 CR. HRS.
- GRDSN 142 TYPOGRAPHY 3 CR. HRS.
- GRDSN 143 COMPUTER ILLUSTRATION I 3 CR. HRS.
- GRDSN 150 GRAPHIC DESIGN II 3 CR. HRS.
- GRDSN 240 ADVANCED GRAPHIC DESIGN I 3 CR. HRS.
- GRDSN 241 ADVANCED GRAPHIC DESIGN II 3 CR. HRS.
- GCOMM 110 INTRODUCTION TO GRAPHIC COMMUNICATIONS 4 CR. HRS.
- GCOMM 130 PAGE LAYOUT WITH ADOBE INDESIGN 3 CR. HRS.
- GCOMM 230 ADVANCE PAGE LAYOUT AND INTERACTIVE CROSS MEDIA 3 CR. HRS.
- MM 140 MULTIMEDIA PRODUCTION I 3 CR. HRS.
- MM 142 DIGITAL PHOTOGRAPHY 3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: ART 111; COMM 110; GRDSN 140; GRDSN 143; Mathematics
2nd Semester: GRDSN 142; GRDSN 150; Laboratory Science; ART 120; ENGL 110
3rd Semester: GRDSN 141; GRDSN 240; GCOMM 110; GCOMM 130
4th Semester: GRDSN 241; GCOMM 230; Social Science; MM 140; MM 142; ART 151
Certificate
Total Credit Hours: 30

Program Information: The Graphic Design certificate is designed for individuals who are interested in quickly acquiring entry-level graphic design related skills. This twelve-month program targets people who already have a college degree and wish to change fields, displaced workers who need retraining in a new discipline, and individuals whose educational goals do not include a college degree. Students will learn concept-development, gain basic technical proficiency with industry standard software and hardware, and develop production skills. Students completing this certificate will develop a creative portfolio, as is expected by employers.

To Remain in and Graduate From the Program:
Students enrolled in the Graphic Design certificate program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

Graphic Design

PROGRAM COURSES:
- GRDSN 140 GRAPHIC DESIGN I 3 CR. HRS.
- GRDSN 142 TYPOGRAPHY 3 CR. HRS.
- GRDSN 143 COMPUTER ILLUSTRATION I 3 CR. HRS.
- GRDSN 150 GRAPHIC DESIGN II 3 CR. HRS.
- GRDSN 240 ADVANCED GRAPHIC DESIGN I 3 CR. HRS.
- GRDSN 241 ADVANCED GRAPHIC DESIGN II 3 CR. HRS.
- MM 140 MULTIMEDIA PRODUCTION I 3 CR. HRS.
- MM 142 DIGITAL PHOTOGRAPHY 3 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVES 6 CR. HRS.

Recommended Course Sequence:
Previous Semester (for pre-program courses): GRDSN 140; MM 140
1st Semester: GRDSN 142; GRDSN 143; GRDSN 150; Approved Elective
2nd Semester: GRDSN 240; GRDSN 241; MM 142; Approved Elective

For the most up-to-date program requirements, go online to the College catalog: 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.
**Green Building Environment**

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

**PROGRAM COURSES:**
- ARCTK 119 BLUEPRINT READING CONSTRUCTION 1 CR. HR.
- ARCTK 228 CONSTRUCTION MANAGEMENT 3 CR. HRS.
- CMPSC 120 or CMGEN 120 BUSINESS COMPUTER SYSTEMS 3 CR. HRS.
- GRBCE 110 INTRODUCTION TO GREEN BUILDING NEEDS 3 CR. HRS.
- GRBCE 120 BUILDING ENERGY ANALYSIS 3 CR. HRS.
- GRBCE 130 CENTRAL HEATING AND COOLING PLANT 3 CR. HRS.
- GRBCE 140 INDOOR AIR QUALITY AND GREEN BUILDINGS 4 CR. HRS.
- GRBCE 150 GREEN BUILDING ENVIRONMENTAL PROJECTS 3 CR. HRS.
- REACT 110 INTRODUCTION TO REFRIGERATION 4 CR. HRS.
- REACT 118 ELECTRICITY AS IT APPLIES TO HVAC/R 4 CR. HRS.
- REACT 211 RESIDENTIAL EQUIPMENT DESIGN I 4 CR. HRS.
- REACT 213 RESIDENTIAL EQUIPMENT DESIGN II 4 CR. HRS.
- REACT 220 BALANCING AND TESTING HVAC SYSTEMS 2 CR. HRS.

* Recommended Humanities: HUMAN 124
** Recommended Social Science ECON 110, PSY 110, or HIST 201
*** Recommended Laboratory Science/Mathematics PHYS 110
**** Recommended Mathematics MAT 106 or MATH 115
***** Recommended English ENGL 125
****** Recommended Communication COMM 110

**Recommended Course Sequence:**
1st Semester: REACT 110; REACT 118; Mathematics; CMPSC 120 or CMGEN 120
2nd Semester: GRBCE 110; GRBCE 120; GRBCE 150; Laboratory Science/Mathematics; Humanities
3rd Semester: GRBCE 130; GRBCE 140; English; REACT 211; Social Science
4th Semester: GRBCE 150; ARCTK 119; ARCTK 228; REACT 213; REACT 220; Communication

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 44

Program Information: The mission of the Green Building Environment certificate program is to provide the student with the knowledge and skills necessary to work in the energy areas with the primary focus on residential construction. The student will learn about the continuously evolving sustainability and green industries and how to become better stewards of the environment. After completing this program, graduates will be able to work as an entry-level weatherization technicians and residential energy auditors.

Additional Program Info: Previous experience in energy areas is not required to enter the program. Students need to have basic computer skills using Microsoft Word, Excel, and Powerpoint before admission into this program. Students must provide the following items: safety glasses with side shields, work gloves, basic scientific calculator, and thumb drive. After completion students can pursue the Green Building Environment Associate in Applied Science Degree.

Admission To the Program: COMPASS Reading score of 70 and MAT 094 or higher, or an equivalent course with a grade of "C" or better, or department approval.

Recommended Course Sequence:
1st Semester: REACT 110; REACT 118; ARCTK 119; CMPSC 120 or CMGEN 120
2nd Semester: GRBE 110; GRBE 120; GRBCR 150
3rd Semester: GRBE 130; GRBE 140; REACT 211
4th Semester: GRBE 150; ARCTK 228; REACT 213; REACT 220

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 62 to 64

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

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

Accreditation: National accreditation by the Professional Landcare Network (PLANET)

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5415 or (309) 694-8446

Horticulture Landscape Management

GENERAL COURSES:

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

PROGRAM COURSES:

- AGRI 113 PRINCIPLES OF SOIL FERTILITY 3 CR. HRS.
- HORT 110 INTRODUCTION TO HORTICULTURAL PLANTS 4 CR. HRS.
- HORT 114 TURF MANAGEMENT I 3 CR. HRS.
- HORT 124 LANDSCAPE CONSTRUCTION 3 CR. HRS.
- HORT 125 LANDSCAPE PLANTS I 3 CR. HRS.
- HORT 126 HORTICULTURAL PLANT PRUNING 2 CR. HRS.
- HORT 130 LANDSCAPE PLANTS II 3 CR. HRS.
- HORT 132 PLANT DISEASES AND INSECTS AND THEIR CONTROL 3 CR. HRS.
- HORT 213 LANDSCAPE LAYOUT AND DESIGN 3 CR. HRS.
- HORT 226 OCCUPATIONAL INTERNSHIP AND SEMINAR 5 CR. HRS.
- HORT 229 HORTICULTURE BUSINESS MANAGEMENT 3 CR. HRS.
- HORT 237 GARDEN FLOWERS 3 CR. HRS.

ELECTIVE COURSES:

- APPROVED ELECTIVES**** 5-7 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.
** COMM 110, 113 or 3 additional hours in composition courses numbered 111 or above, such as ENGL 111, 116 or 125
*** AGBUS 118; MAT 106, MATH 110 or higher based upon Math Placement Test
**** Recommended Electives: HORT 134, 210, 214, 216, 218, 219, 238, 241, 245, 255; AGBUS 115

Recommended Course Sequence:
2nd Semester: Communication; Social Science; AGRI 113; HORT 124; HORT 125; HORT 126
Summer Semester 1: HORT 130; HORT 132
3rd Semester: Humanities; HORT 213; HORT 237; Approved Electives
4th Semester: HORT 226; HORT 229; Approved Electives

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 29 to 30

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

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

To Remain in and Graduate From the Program: Students enrolled in this certificate program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5415 or (309) 694-8446

Horticulture - Landscaping

PROGRAM COURSES:
- AGBUS 118 AGRICULTURAL COMPUTATIONS* 3 CR. HRS.
- AGRI 113 PRINCIPLES OF SOIL FERTILITY 3 CR. HRS.
- HORT 110 INTRODUCTION TO HORTICULTURAL PLANTS 4 CR. HRS.
- HORT 114 TURF MANAGEMENT I 3 CR. HRS.
- HORT 125 LANDSCAPE PLANTS I 3 CR. HRS.
- HORT 126 HORTICULTURAL PLANT PRUNING 2 CR. HRS.
- HORT 130 LANDSCAPE PLANTS II 3 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVES** 8-9 CR. HRS.

* Math requirement may be waived if competence is shown.
** Approved electives: AGRI 112, HORT 124, 132, 210, 213, 214, 255

Recommended Course Sequence:
1st Semester: AGBUS 118; HORT 110; HORT 114; Electives
2nd Semester: AGRI 113; HORT 125; HORT 126; Electives
Summer Semester 1: HORT 130; Electives
Associate in Applied Science

Total Credit Hours: 62 to 64

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

Additional Program Info: Graduates of the program will demonstrate specific knowledge and proficiency in soil fertility, turfgrass management, irrigation, landscape plants, landscape construction, pruning, garden flowers, plant disease and insect control, horticultural mechanics, lawn care and golf industries, and horticultural business management. The student will complete an internship with a turfgrass operations company during the sophomore year. With this degree, students may find employment in: turf management firms; parks; businesses and corporations; lawn care firms; golf courses; outdoor sports arenas.

Accreditation: National accreditation by the Professional Landcare Network (PLANET).

To Remain in and Graduate From the Program:

Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:

Agricultural and Industrial Technologies Department
East Peoria Campus
AFT Building
Room 118
(309) 694-6415 or (309) 694-8446

Horticulture Turfgrass Management

GENERAL COURSES:

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

PROGRAM COURSES:

- AGRI 113  PRINCIPLES OF SOIL FERTILITY  3 CR. HRS.
- HORT 110  INTRODUCTION TO HORTICULTURAL PLANTS  4 CR. HRS.
- HORT 114  TURF MANAGEMENT I  3 CR. HRS.
- HORT 124  LANDSCAPE CONSTRUCTION  3 CR. HRS.
- HORT 125  LANDSCAPE PLANTS I  3 CR. HRS.
- HORT 126  HORTICULTURAL PLANT PRUNING  2 CR. HRS.
- HORT 130  LANDSCAPE PLANTS II  3 CR. HRS.
- HORT 132  PLANT DISEASES AND INSECTS AND THEIR CONTROL  3 CR. HRS.
- HORT 213  LANDSCAPE LAYOUT AND DESIGN  3 CR. HRS.
- HORT 226  OCCUPATIONAL INTERNSHIP AND SEMINAR  5 CR. HRS.
- HORT 229  HORTICULTURE BUSINESS MANAGEMENT  3 CR. HRS.
- HORT 235  ADVANCED TURF MANAGEMENT  3 CR. HRS.
- HORT 237  GARDEN FLOWERS  3 CR. HRS.

ELECTIVE COURSES:

- APPROVED ELECTIVES****  2-4 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

** COMM 110, 113 or 3 additional hours in composition courses numbered 111 or above, such as ENGL 111, 116 or 125

*** AGBUS 118; MAT 106; MATH 110 or higher based upon Math Placement Test

**** Recommended Electives: HORT 214, 216, 218, 255; AGBUS 115

Recommended Course Sequence:

1st Semester: ENGL 110; Mathematics AGRI 112; HORT 110; HORT 114
2nd Semester: Communication; AGRI 113; HORT 124; HORT 125; HORT 126
Summer Semester 1: HORT 130; HORT 132
3rd Semester: Humanities; HORT 213; HORT 237; Approved Electives
4th Semester: Social Science; HORT 226; HORT 229; HORT 235; Approved Electives

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 28

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

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

To Remain in and Graduate From the Program: Students enrolled in this certificate program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5415 or (309) 694-8446

Horticulture - Turfgrass Operations

PROGRAM COURSES:

- AGBUS 118 AGRICULTURAL COMPUTATIONS* 3 CR. HRS.
- AGRI 112 BASIC SOILS 4 CR. HRS.
- AGRI 113 PRINCIPLES OF SOIL FERTILITY 3 CR. HRS.
- HORT 110 INTRODUCTION TO HORTICULTURAL PLANTS 4 CR. HRS.
- HORT 114 TURF MANAGEMENT I 3 CR. HRS.
- HORT 126 HORTICULTURAL PLANT PRUNING 2 CR. HRS.
- HORT 132 PLANT DISEASES AND INSECTS AND THEIR CONTROL 3 CR. HRS.
- HORT 214 HORTICULTURAL MECHANICS 3 CR. HRS.
- HORT 235 ADVANCED TURF MANAGEMENT 3 CR. HRS.

* Mathematics requirement may be waived if competence is shown.

Recommended Course Sequence:
1st Semester: AGBUS 118; HORT 110; HORT 114
2nd Semester: AGRI 113; HORT 126; HORT 235
Summer Semester 1: HORT 132
3rd Semester: HORT 214; AGRI 112

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 65

Program Information: The mission of the Associate in Applied Science Human Services degree is to provide an educational foundation that addresses the attitudes/values, skills, and knowledge which are essential for the personal growth of each student to become an effective human services worker.

Admission To the Program: Must be a high school graduate or equivalent and complete the COMPASS Placement Test (contact ICC Testing Office, 694-5234).

To Remain in and Graduate From the Program: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Human Services Program Coordinator
North Campus
(309) 690-6891

Human Services - Child Development

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- SOC 110  AN INTRODUCTION TO SOCIOLOGY  3 CR. HRS.
- LABORATORY SCIENCE*  4 CR. HRS.
- MATHEMATICS**  3 CR. HRS.
- CHILD 231  LITERATURE FOR CHILDREN***  3 CR. HRS.

PROGRAM COURSES:
- CHILD 110  INTRODUCTION TO EARLY CHILDHOOD***  3 CR. HRS.
- CHILD 120  GROWTH AND DEVELOPMENT OF THE*** YOUNG CHILD
- CHILD 130  CURRICULUM FOR EARLY CHILDHOOD*** PROGRAMS
- CHILD 132  INFANT-TODDLER DEVELOPMENT***  3 CR. HRS.
- CHILD 140  CHILD, FAMILY, AND COMMUNITY***  3 CR. HRS.
- CHILD 200  EARLY CHILDHOOD SPECIAL EDUCATION***  3 CR. HRS.
- CHILD 230  PROGRAM PLANNING***  3 CR. HRS.
- CHILD 240  CHILD DEVELOPMENT PRACTICUM ***  4 CR. HRS.
- CHILD 241  CHILD DEVELOPMENT EXPERIENCES II***  6 CR. HRS.
- FCS 111  EARLY CHILDHOOD NUTRITION EDUCATION  3 CR. HRS.
- HUMSV 110  INTRODUCTION TO HUMAN SERVICES  3 CR. HRS.
- HUMSV 111  HUMAN SERVICES APPLICATIONS I  3 CR. HRS.
- HUMSV 200  HUMAN SERVICES APPLICATIONS II  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.

* Course depends on placement test scores.
** Course selection depends upon placement test scores; MAT 102 or higher will be accepted for graduation.
*** Students must attain a grade of "C" or better in each CHILD course to be retained in and graduate from the program.

Recommended Course Sequence:
1st Semester: ENGL 110; HUMSV 110; PSY 110; CHILD 110; CHILD 120
2nd Semester: Mathematics; CHILD 130; CHILD 132; HUMSV 111; COMM 110
3rd Semester: CHILD 140; CHILD 200; HUMSV 200; SOC 110; FCS 111; CHILD 240
4th Semester: CHILD 230; CHILD 231; Laboratory Science; CHILD 241

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 24

Program Information: This certificate program of study is for prospective and post degree direct service providers to 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 services aides.

Admission To the Program: High school graduate or equivalent; completion of COMPASS placement tests.

To Remain in and Graduate From the Program: Students enrolled in this certificate program must meet with their assigned academic advisor to plan a specific course schedule. Students must attain a "C" or better in each required course to be retained and graduate from the program.

Contact Information:
Human Services Program Coordinator
North Campus
(309) 690-6891

Human Services - Family/Youth Services

PROGRAM COURSES:

- HUMSV 110 INTRODUCTION TO HUMAN SERVICES 3 CR. HRS.
- HUMSV 124 FAMILY SYSTEMS IN THE HUMAN SERVICES 3 CR. HRS.
- HUMSV 127 COMMUNITY RESOURCES AND ENTITLEMENT PROGRAMS 1 CR. HR.
- HUMSV 150 HUMAN SERVICE TOPICS* 1-3 CR. HRS.
- HUMSV 151 CRISIS AND SUICIDE INTERVENTION 3 CR. HRS.
- HUMSV 152 CHILD WELFARE SYSTEM 1 CR. HR.
- HUMSV 213 ISSUES IN ABUSE 3 CR. HRS.
- SSC 115 LEADERSHIP AND COMMUNITY SERVICE 2 CR. HRS.

ELECTIVE COURSES:

- APPROVED ELECTIVES** 6 CR. HRS.

* Must complete at least 2 credit hours of HUMSV 150.
** Consultation with the Human Services Academic Advisor is strongly recommended.

Recommended Course Sequence:
1st Semester: HUMSV 110; HUMSV 124; Approved Electives; HUMSV 150
2nd Semester: HUMSV 151; HUMSV 213; SSC 115 HUMSV 190; HUMSV 127

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 62 to 63

Program Information: The mission of the Associate in Applied Science Human Services program is to provide an educational foundation that addresses the attitudes/values, skills, and knowledge which are essential for the personal growth of each student to become an effective human services worker.

Admission To the Program: Must be a high school graduate or equivalent and complete the COMPASS Placement Test (contact ICC Testing Office, 694-5234).

To Remain in and Graduate From the Program: Human Service students pursuing the Associate in Applied Science Generalist degree must meet the Human Service Program advisor to select elective courses which will prepare them for their career goals. Students may be dismissed from the program if there is a failure to meet one or more of the following standards: (1) maintaining at least a 2.0 GPA in all course work; (2) 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 Illinois Central College following the National Organization of Human Services Code of Ethics; (3) minimal absences in all course work; (4) completion of prior Human Services course work does not guarantee permission to take the internship course and to graduate from the program; (5) successful, timely completion of internship; (6) felony convictions may prevent a student from successfully obtaining employment in the human services field.

Contact Information: Human Services Program Coordinator
North Campus
(309) 690-6891

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Human Services - Generalist

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- HUMSV 250 HUMAN SERVICES INTERNSHIP 2 CR. HRS.
- HUMSV 124 FAMILY SYSTEMS IN THE HUMAN SERVICES or SOC 120 MARRIAGE AND THE FAMILY 3 CR. HRS.
- HUMSV 125 CULTURAL COMPETENCE IN THE HUMAN SERVICES or SOC 219 THE SOCIOLOGY OF RACE AND ETHNICITY IN AMERICA 3 CR. HRS.
- HUMSV 127 COMMUNITY RESOURCES AND ENTITLEMENT PROGRAMS 1 CR. HR.
- HUMSV 150 HUMAN SERVICE TOPICS** 1-3 CR. HRS.
- HUMSV 151 CRISIS AND SUICIDE INTERVENTION 3 CR. HRS.
- HUMSV 155 SOCIAL CLASS AND THE HELPING PROFESSIONS 3 CR. HRS.
- HUMSV 200 HUMAN SERVICES APPLICATIONS II 3 CR. HRS.
- HUMSV 213 ISSUES IN ABUSE 3 CR. HRS.
- HUMSV 250 HUMAN SERVICE INTERNSHIP 2 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 CR. HRS.
- SSC 115 LEADERSHIP AND COMMUNITY SERVICE 2 CR. HRS.

ELECTIVE COURSES:

- APPROVED ELECTIVES*** 6 CR. HRS.

* See specific requirements for an Associate in Applied Science degree.

** Must complete at least 2 credit hours of HUMSV 150.

*** Consult with Program Advisor for approved CHILD, CRJ, HUMSV, PSY, SOC courses.

Recommended Course Sequence:
1st Semester: HUMSV 110; PSY 110; Humanities; ENGL 110; HUMSV 151
2nd Semester: COMM 110; SOC 110; Mathematics; ENGL 111; HUMSV 125 or SOC 219
Summer Semester 1: HUMSV 213; SSC 115
3rd Semester: Laboratory Science; HUMSV 155; HUMSV 111; HUMSV 200; HUMSV 124 or SOC 120
4th Semester: HUMSV 250; HUMSV 127; HUMSV 150; Approved Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

**Total Credit Hours:** 61 to 63

**Program Information:** The mission of the Associate in Applied Science Human Services program is to provide an educational foundation that addresses the attitudes/values, skills, and knowledge which are essential for the personal growth of each student to become an effective human services worker.

**Admission To the Program:** Must be a high school graduate or equivalent and complete the COMPASS Placement Test (contact ICC Testing Office, 694-5234).

**To Remain in and Graduate From the Program:** Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

**Contact Information:** Human Services Program Coordinator
North Campus
(309) 690-6891

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# Human Services - Mental Health Services

**GENERAL COURSES:**
- **ENGLISH**
- **COMM 110** COMMUNICATION: PROCESS AND PRACTICE
- **PSY 110** INTRODUCTION TO PSYCHOLOGY
- **LABORATORY SCIENCE**
- **MATHEMATICS**
- **HUMANITIES**

**PROGRAM COURSES:**
- **DACT 105** INTRODUCTION TO SUBSTANCE ABUSE AND RECOVERY
- **HUMSV 110** INTRODUCTION TO HUMAN SERVICES
- **HUMSV 111** HUMAN SERVICES APPLICATIONS I
- **HUMSV 120** SURVEY OF PSYCHIATRIC REHABILITATION
- **HUMSV 121** PSYCHIATRIC REHABILITATION SKILLS
- **HUMSV 122** PSYCHIATRIC REHABILITATION HEALTH SKILLS
- **HUMSV 123** VOCATIONAL AND COMMUNITY LIVING SKILLS
- **HUMSV 127** COMMUNITY RESOURCES AND ENTITLEMENT PROGRAMS
- **HUMSV 150** HUMAN SERVICE TOPICS
- **HUMSV 151** CRISIS AND SUICIDE INTERVENTION
- **HUMSV 200** HUMAN SERVICES APPLICATIONS II
- **HUMSV 250** HUMAN SERVICE INTERNSHIP
- **SOC 110** AN INTRODUCTION TO SOCIOLOGY

**ELECTIVE COURSES:**
- **APPROVED ELECTIVES**

* See specific requirements for Associate in Applied Science Degree.
** Must complete at least 2 credit hours of HUMSV 150.
*** Approved electives: CHILD 120; HLTH 121; HUMSV 114, 124, 125, 126, 214; PSY 118, 202, 225; SOC 114, 120, 219

**Recommended Course Sequence:**
1st Semester: English; HUMSV 110; Humanities; HUMSV 120; PSY 110
2nd Semester: HUMSV 121; COMM 110; SOC 110; Mathematics; Approved Elective; HUMSV 150
Summer Semester 1: Approved Elective; DACT 105
3rd Semester: HUMSV 122; HUMSV 111; HUMSV 200; HUMSV 151; HUMSV 127
4th Semester: HUMSV 123; HUMSV 250; Laboratory Science
Certificate
Total Credit Hours: 15 to 17

Program Information: The mission of the Human Services program is to provide an educational foundation that addresses the attitudes/values, skills, and knowledge which are essential for the personal growth of each student to become an effective human services worker.

Admission To the Program: High school graduate or equivalent; completion of COMPASS reading and writing tests (contact ICC Testing Center, 694-5234).

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

Contact Information:
Human Services Program Coordinator
North Campus
(309) 690-6891

Human Services - Psychiatric Rehabilitation

PROGRAM COURSES:
- HUMSV 120 SURVEY OF PSYCHIATRIC REHABILITATION 4 CR. HRS.
- HUMSV 121 PSYCHIATRIC REHABILITATION SKILLS 3 CR. HRS.
- HUMSV 122 PSYCHIATRIC REHABILITATION HEALTH SKILLS 3 CR. HRS.
- HUMSV 123 VOCATIONAL AND COMMUNITY HEALTH SKILLS 4 CR. HRS.
- HUMSV 150 HUMAN SERVICE TOPICS 1-3 CR. HRS.

Recommended Course Sequence:
1st Semester: HUMSV 120
2nd Semester: HUMSV 121; HUMSV 150
3rd Semester: HUMSV 122
4th Semester: HUMSV 123

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 16

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

Additional Program Info: This is the first certificate individuals should earn prior to working in the HVAC industry. Previous experience in residential heating and cooling is not required to enter the program. Students must provide their own safety glasses with side shields, work gloves, basic scientific calculator, and thumb drive. After completion students can pursue the HVAC Technician Certificate, Commercial Refrigeration Technician Certificate, or HVAC/R Technology Associate in Applied Science Degree.

Admission To the Program: COMPASS Reading score of 70 and MAT 094 or higher, or an equivalent course with a grade of "C" or better, or department approval.

To Remain in and Graduate From the Program: Students must attain a grade of "C" or better in each course to remain in and graduate from the program. Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
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.

HVAC Residential Installer

PROGRAM COURSES:

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

Recommended Course Sequence:
1st Semester: REACT 110; REACT 118; REACT 119; REACT 120; ARCTK 119
2nd Semester: REACT 139
Certificate

Total Credit Hours: 27

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

Additional Program Info: Students must provide the following items: safety glasses with side shields, work gloves, basic scientific calculator, and thumb drive. After completion students can pursue the Commercial Refrigeration Technician Certificate or HVAC/R Technology Associate in Applied Science Degree.

Admission To the Program: The HVAC Residential Installer Certificate is required to enter the program.

To Remain in and Graduate From the Program:
Students must attain a grade of "C" or better in each course to remain in and graduate from the program. Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students must take the Residential Heating, Air Conditioning, and Ventilation Industry Competency Exam (ICE) in order to graduate.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
Dirksen Building
Room 09
(309) 694-5293

HVAC Technician

PROGRAM COURSES:

- ARCTK 119  BLUEPRINT READING CONSTRUCTION  1 CR. HR.
- REACT 110  INTRODUCTION TO REFRIGERATION  4 CR. HRS.
- REACT 112  RESIDENTIAL AIR CONDITIONING  4 CR. HRS.
- REACT 118  ELECTRICITY AS IT APPLIES TO HVAC/R  4 CR. HRS.
- REACT 119  SHEET METAL FOR HVAC/R  2 CR. HRS.
- REACT 120  RESIDENTIAL FURNACES  4 CR. HRS.
- REACT 121  HEAT PUMPS AND GEOTHERMAL  4 CR. HRS.
- REACT 122  RESIDENTIAL HYDRONIC SYSTEMS  3 CR. HRS.
- REACT 139  RESIDENTIAL SYSTEMS INSTALLATION  1 CR. HR.

Recommended Course Sequence:
1st Semester: REACT 110; REACT 118; REACT 119; REACT 120; REACT 112; ARCTK 119
2nd Semester: REACT 139; REACT 121; REACT 122

For the most up-to-date program requirements, go online to the College catalog: 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/R Technology

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

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

*Recommended general education courses: HUMAN 124, ECON 110, PSY 110, HIST 201, MAT 106 or MATH 111, PHYSC 110, ENGL 123, COMM 110

**Recommended Course Sequence:**
1st Semester: REACT 110; REACT 118; REACT 119; REACT 120; REACT 112; ARCTK 119
2nd Semester: REACT 139; REACT 121; REACT 130; REACT 122; REACT 131; ELCTK 111
3rd Semester: REACT 211; REACT 219; REACT 237; Social Science; Mathematics; English
4th Semester: REACT 213; REACT 238; REACT 220; Communication; Laboratory Science/Mathematics; Humanities
Certificate
Total Credit Hours: 15

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

Additional Program Info: The iMedia certificate is one of four certificates that can be earned while working towards the Digital Publishing Certificate or Graphic Communications Associate in Applied Science degree.

Contact Information:
Graphic Communications
Program Coordinator
East Peoria Campus
AIT Building
Room 241
(309) 694-5147

iMedia

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

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

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 65 to 69

Program Information: The mission of the Industrial Electrical Technology Associate in Applied Science degree program is to use lecture and hands-on laboratory experience to prepare students for employment in the Industrial Electrical field by educating them in the knowledge, skills, and behaviors as an industrial electrical technician.

Admission To the Program: Math skills equivalent to two years of high school algebra and one year of high school geometry are required for admission to the program. Students applying for admission to the program should have high school transcripts and ACT scores or college transcripts sent to Enrollment Services, (309) 694-5235, or should make an appointment with the Testing Office, (309) 694-5234, for a math test and a reading test. Students must also complete basic skills placement testing before admission into this program.

To Remain in and Graduate From the Program: Students enrolled in the Industrial Electrical Technology Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5526

Industrial Electrical Technology

GENERAL COURSES:
- ENGLISH* 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 7 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- CMCIS 147 FUNDAMENTALS OF VOICE AND DATA CABLING I or CMCIS 151 NETWORK FUNDAMENTALS 4 CR. HRS.
- ELCTK 111 RESIDENTIAL AND COMMERCIAL WIRING 2 CR. HRS.
- ELCTK 112 ELECTRONIC CAD APPLICATIONS I 2 CR. HRS.
- ELCTK 150 INDUSTRIAL ELECTRICITY 4 CR. HRS.
- ELCTK 151 ELECTRICAL SYSTEMS TROUBLESHOOTING 3 CR. HRS.
- ELCTK 215 PROGRAMMABLE CONTROLLERS 4 CR. HRS.
- ELCTK 231 INDUSTRIAL ELECTRONICS 4 CR. HRS.
- ELCTK 232 ELECTRONICS SYSTEMS TROUBLESHOOTING 3 CR. HRS.
- ELCTK 245 MICROPROCESSORS AND MICROCONTROLLERS 4 CR. HRS.
- ELCTK 255 INDEPENDENT STUDY 1-5 CR. HRS.
- ELCTS 131 INTRODUCTION TO BASIC ELECTRICITY 2 CR. HRS.
- ELCTS 132 SERVICE ELECTRONICS-D.C. CIRCUITS 2 CR. HRS.
- ELCTS 133 SERVICE ELECTRONICS-A.C. CIRCUITS 2 CR. HRS.
- ELCTS 134 SERVICE ELECTRONICS-BASIC SOLID STATE 2 CR. HRS.
- ELCTS 135 SERVICE ELECTRONICS-ADVANCED SOLID STATE 2 CR. HRS.
- ELCTS 136 SERVICE ELECTRONICS-DIGITAL CIRCUITS 2 CR. HRS.
- MECTK 231 INDUSTRIAL FLUID POWER 3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: ELCTS 131; ELCTS 132; ELCTS 133; ELCTK 111; Mathematics; English
2nd Semester: ELCTS 134; ELCTS 135; ELCTS 136; ELCTK 150; ELCTK 112; Laboratory Science
3rd Semester: ELCTK 151; ELCTK 215; ELCTK 245; CMCIS 147 or CMCIS 151; MECTK 231; Communication
4th Semester: ELCTK 231; ELCTK 232; ELCTK 255; Social Science; Humanities

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 64

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

To Remain in and Graduate From the Program: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
English, Humanities, and Language Studies Department
East Peoria Campus
Room 315B
(309) 694-5342

Interpreter Preparation

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 7 CR. HRS.
- HUMANITIES* 3 CR. HRS.

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

* See specific requirements for Associate in Applied Science Degree.

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

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 45

Program Information: The mission of the Interpreter Preparation certificate program is to produce entry-level professional interpreters by providing students with interpreting/translating skills, a general knowledge of deafness, and understanding of the interpreting profession.

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

Contact Information:
English, Humanities, and Language Studies Department
East Peoria Campus
Room 315B
(309) 694-5342

Interpreter Preparation

PROGRAM COURSES:

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

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

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 61

Program Information: The mission of the Associate in Applied Science Law Enforcement degree is to prepare graduates for employment into the law enforcement field by educating them in general education as well as specialized courses in criminal justice to prepare them to enter the law enforcement field.

Admission To the Program: Students must submit: 
1. an application for admission; 
2. transcripts of high school credit or G.E.D certificate; and 
3. scores from the Illinois Central College Basic Skills Test. Students with no previous law enforcement experience are required to attend the summer internship session.

To Remain in and Graduate From the Program: 
Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students should be aware that each law enforcement agency has its own employment criteria. Most require a minimum of a high school diploma or its equivalent, verification of excellent physical health, and that the applicant be at least 21 years of age.

Contact Information: 
Social Sciences and Public Services Department 
North Campus 
(309) 690-7691

Law Enforcement

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- SOC 110  AN INTRODUCTION TO SOCIOLOGY  3 CR. HRS.
- LABORATORY SCIENCE*  4 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.

PROGRAM COURSES:
- CMGEN 120  COMPUTER APPLICATIONS  3 CR. HRS.
- CRJ 110  INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM  3 CR. HRS.
- CRJ 112  POLICE OPERATIONS  3 CR. HRS.
- CRJ 114  INTRODUCTION TO CORRECTIONS  3 CR. HRS.
- CRJ 118  JUVENILE DELINQUENCY  3 CR. HRS.
- CRJ 130  INTRODUCTION TO INVESTIGATION  3 CR. HRS.
- CRJ 201  INTERNSHIP IN CRIMINAL JUSTICE** 
  or 
  APPROVED ELECTIVE***  3 CR. HRS.
- CRJ 225  CRIMINAL LAW  3 CR. HRS.
- CRJ 227  ADMINISTRATION OF JUSTICE  3 CR. HRS.
- CRJ 250  POLICE ORGANIZATION AND ADMINISTRATION  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- POLSC 115  AMERICAN NATIONAL GOVERNMENT  3 CR. HRS.
  or 
  POLSC 119  STATE AND LOCAL GOVERNMENT  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
  or 
  SOC 210  INTRODUCTION TO CRIMINOLOGY  3 CR. HRS.

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

* See specific requirements for Associate in Applied Science Degree.
** In order to be eligible to enroll in CRJ 201 Internship in Criminal Justice, students must attain an overall grade point average of 2.0. Students must be enrolled in Law Enforcement Program and have completed a minimum of 20 semester hours.
*** Approved Electives are such courses as CRJ 111, 230, 255, or any course approved by your advisor.

Recommended Course Sequence:
1st Semester: CRJ 110; CRJ 118; SOC 110; ENGL 110; CMGEN 120
2nd Semester: CRJ 112; CRJ 130; PSY 110; ENGL 111; COMM 110; Approved Elective
Summer Semester 1: CRJ 201 or Approved Elective
3rd Semester: CRJ 225; CRJ 250; POLSC 119; Humanities; Mathematics
4th Semester: CRJ 227; SOC 210; CRJ 114; Laboratory Science

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 30

Program Information: The mission of the Law Enforcement certificate is to prepare graduates for employment in the law enforcement field by educating them in the knowledge, skills, and behaviors to prepare them to enter into the law enforcement field.

Admission To the Program: Students must submit an application for admission, transcripts of high school credit or G.E.D. certificate, and scores from the Illinois Central College Basic Skills Test. Students with no previous law enforcement experience may be required to attend the summer internship program.

To Remain in and Graduate From the Program: Students should be aware that each Law Enforcement agency has its own employment criteria. Most require a minimum of high school diploma or its equivalent, verification of excellent physical health and that the applicant be at least 21 years of age. Many positions in Law Enforcement require advance study beyond a two-year degree.

Contact Information:
Social Sciences and Public Services Department
North Campus
(309) 690-7691

Law Enforcement

PROGRAM COURSES:

- CRJ 110 INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM 3 CR. HRS.
- CRJ 112 POLICE OPERATIONS 3 CR. HRS.
- CRJ 114 INTRODUCTION TO CORRECTIONS 3 CR. HRS.
- CRJ 118 JUVENILE DELINQUENCY 3 CR. HRS.
- CRJ 130 INTRODUCTION TO INVESTIGATION 3 CR. HRS.
- CRJ 201 INTERNSHIP IN CRIMINAL JUSTICE or CRIMINAL JUSTICE ELECTIVE* 3 CR. HRS.
- CRJ 225 CRIMINAL LAW 3 CR. HRS.
- CRJ 227 ADMINISTRATION OF JUSTICE 3 CR. HRS.
- CRJ 250 POLICE ORGANIZATION AND ADMINISTRATION 3 CR. HRS.

* CRJ 111, 119, 121, 165, 227, 230, 235, 255, EMT 110

Recommended Course Sequence:
1st Semester: CRJ 110; CRJ 112; CRJ 114; CRJ 118
2nd Semester: CRJ 130; CRJ 225; CRJ 227; CRJ 250
Summer Semester 1: CRJ 201 or CRJ Elective; CRJ Elective

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 60 to 62

Program Information: The mission of the Library Technical Assistant program is to prepare students for employment in various types of libraries and/or for the foundational education in information management for a master's degree in library science.

Additional Program Info: LTA graduates possess collection development, cataloging, media technology, technology troubleshooting, reference, collaborative, and patron services skills, and are eager to network and serve the surrounding community.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
LTA Program Coordinator
Library/Administration Building
East Peoria Campus
Room L445
(309) 694-5508

Library Technical Assistant

GENERAL COURSES:

- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- LABORATORY SCIENCE*  4 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.

PROGRAM COURSES:

- CMGEN 120  COMPUTER APPLICATIONS  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- LIB 110  INTRODUCTION TO LIBRARIES  3 CR. HRS.
- LIB 114  AUDIOVISUAL EQUIPMENT OPERATION  2 CR. HRS.
- LIB 125  CATALOGING AND CLASSIFICATION  3 CR. HRS.
- LIB 127  MARC RECORD AND TECHNICAL PROCESSING  3 CR. HRS.
- LIB 210  REFERENCE  3 CR. HRS.
- LIB 216  INTRODUCTION TO COLLECTION DEVELOPMENT  3 CR. HRS.
- LIB 231  INTRODUCTION TO PATRON SERVICES  3 CR. HRS.
- LIB 250  LIBRARY PRACTICUM  1-3 CR. HRS.

ELECTIVE COURSES:

- ELECTIVES**  14 CR. HRS.

*See specific requirements for Associate in Applied Science Degree.

**Recommended Electives: CHILD 231; PRLGL 112; EDUC 230; HLTH 121; LIB 111, 200, 222

Recommended Course Sequence:
1st Semester: LIB 110; LIB 114; ENGL 110; CMGEN 120; Elective
2nd Semester: LIB 125; LIB 216; ENGL 111; Mathematics; Elective
3rd Semester: LIB 127; LIB 231; Laboratory Science; Social Science; Elective
4th Semester: LIB 210; LIB 250; COMM 110; Humanities; Electives

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 27 to 30

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

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

To Remain in and Graduate From the Program: Students enrolled in this certificate program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
LTA Program Coordinator
East Peoria Campus
Library/Administration Building
Room L445
(309) 694-5508

Library Technical Assistant

PROGRAM COURSES:
- CMGEN 120 COMPUTER APPLICATIONS 3 CR. HRS.
- LIB 110 INTRODUCTION TO LIBRARIES 3 CR. HRS.
- LIB 114 AUDIOVISUAL EQUIPMENT OPERATION 2 CR. HRS.
- LIB 125 CATALOGING AND CLASSIFICATION 3 CR. HRS.
- LIB 127 MARC RECORD AND TECHNICAL PROCESSING 3 CR. HRS.
- LIB 210 REFERENCE 3 CR. HRS.
- LIB 216 INTRODUCTION TO COLLECTION DEVELOPMENT 3 CR. HRS.
- LIB 231 INTRODUCTION TO PATRON SERVICES 3 CR. HRS.
- LIB 250 LIBRARY PRACTICUM 1-3 CR. HRS.

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

* Recommended Electives: CHILD 231; PRLGL 112; EDUC 230; HLTH 121; LIB 111, 200, 222

Recommended Course Sequence:
1st Semester: LIB 110; LIB 114; LIB 125
2nd Semester: LIB 127; LIB 216; CMGEN 120
3rd Semester: LIB 210; LIB 231
4th Semester: LIB 250; Elective

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 42

Program Information: The mission of the Licensed Practical Nurse certificate program is to effectively provide educational resources within theory, lab, and clinical experiences to prepare graduates for a successful professional nursing career as a Licensed Practical Nurse.

Accreditation: The Licensed Practical Nurse certificate program is fully accredited by the Illinois Department of Financial and Professional Regulation. The graduate will be eligible to take the National Council Licensure Examination for Practical Nurses (NCLEXPN) and apply for licensure as a Licensed Practical Nurse (LPN).

Admission To the Program: Admission criteria include:
1. graduation from high school or equivalent;
2. an ACT composite score of 14 or above (tested prior to October 28, 1989), or 16 or above (tested October 28, 1989 or later);
3. at least a "C" in courses taken at other colleges;
4. grade of "C" in nine or more approved semester hours taken at Illinois Central College;
5. one year of high school algebra or MAT 094 with a grade of "C" or better or Math placement test into MAT 098;
6. placement test scores into READ 115; and
7. Cumulative score of 0.80 or higher on Evolve HESI A2 Examination
8. A drug screen, fingerprint background check, physical exam and immunization will be required upon admission to the program.
9. Students will be required to submit proof of current CPR certification by the date specified by the instructor. Proof must be in the form of the original or photocopy of course completion card issued by either the AHA or ARC. Students are required to maintain current CPR certification throughout the program.
10. Recommended high school subjects: (1) three years of English; (2) one year biology; (3) two years of mathematics (one year of algebra)

To Remain in and Graduate From the Program:
Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students must attain a grade of "C" or better in each course to remain in and graduate from this program.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

Licensed Practical Nurse

PROGRAM COURSES:

- BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY * 4 CR. HRS.
- ENGL 110 COMPOSITION I ** 3 CR. HRS.
- FCS 110 BASIC NUTRITION ** 2 CR. HRS.
- HEOCC 114 INTRODUCTION TO INTERDISCIPLINARY HEALTH CARE ** 1 CR. HR.
- HLTH 121 MEDICAL TERMINOLOGY ** 2 CR. HRS.
- PRNRS 110 PRACTICAL NURSING I 8 CR. HRS.
- PRNRS 111 PRACTICAL NURSING II 11 CR. HR.
- PRNRS 112 PRACTICAL NURSING III 5 CR. HRS.
- PRNRS 114 PHARMACOLOGY FOR PRACTICAL NURSING 2 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY ** 3 CR. HRS.
- RNRS 150 PRINCIPLES OF SAFE MEDICATION ADMINISTRATION 1 CR. HR.

* Course must be completed within five (5) years of admission into the program.
** Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:
1st Semester: PRNRS 110; PRNRS 114; BIOL 140; HEOCC 114; RNRS 150
2nd Semester: PRNRS 111; ENGL 110; HLTH 121; FCS 110
Summer Semester 1: PRNRS 112; PSY 110

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 60 to 61

Program Information: The mission of the Associate in Applied Science LPN to RN Completion program is to effectively provide educational resources within theory, laboratory, and clinical experiences to prepare graduates for a successful, professional nursing career as a registered nurse.

Additional Program Info: RNRS 150 and RNRS 111 may be completed by proficiency exam by a Licensed Practical Nurse (LPN). Transfer of comparable credit from other institutions may be evaluated and accepted toward meeting requirements of ICC Nursing Program general education courses. Transfer credit is not accepted for vocational, or program courses, nor is credit given for work experience. To receive a grade of "C" or better, the student must (1) maintain a grade average of 75% or better; (2) demonstrate satisfactory clinical performance and meet all course specific clinical and laboratory requirements; and (3) meet all course requirements within specified time limits.

Accreditation: The Nursing program is fully approved by the Illinois Department of Financial and Professional Regulation and accredited by the Accreditation Commission for Education in Nursing. The commission may be contacted as follows: Accreditation Commission for Education in Nursing, 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, Phone: (404) 975-5000, Fax: (404) 975-5020. Graduates are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEXRN) and may apply for licensure to practice nursing as a Registered Nurse (RN).

Admission To the Program: Graduation from state-approved Practical Nursing Program within the last five years of OR achievement of a conversion score of 75% or higher on the Evolve HESI PN-AND Exam. Valid Illinois Licensed Practical Nursing (LPN) license. Currently employed full time or equivalent as an LPN OR department approval. One year of high school chemistry with a grade of "C" average or higher OR completion of an equivalent college chemistry course with a grade of "C" or better. Completion of BIOL 205, BIOL 206, BIOL 210, RNRS 150, RNRS 111, RNRS 210 with a grade of "C" or better. Completion of ENGL 110, ENGL 111 or COMM 110, SOCI 110, FCS 110, FCS 120, HLTH 121, Humanities elective (3 sem hrs), with a grade of "C" or better. ICC grade point average (GPA) of 2.5 or above if you have attended ICC. GPA of 2.5 or above at the last college attended (other than ICC) OR completion of 18 credit hours of "program" courses at ICC or other colleges with a grade of "C" or better.

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

Recommended High School Subjects: (1) four years of English (2) one year biology (3) two years of mathematics (4) one year of chemistry.

To Remain in and Graduate From the Program: Must meet with assigned academic advisor to plan a specific course schedule which meets Illinois Central College academic and personal requirements. Maintain a grade of "C" or better in all required general education and program courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

ILINOIS CENTRAL COLLEGE

Programs/Areas of Study

LPN to RN Completion Program

GENERAL COURSES:

- ENGL 110 COMPOSITION I ** 3 CR. HRS.
- ENGL 111 COMPOSITION II ** 3 CR. HRS.
- COMM 110 or COMM 111 COMMUNICATION; PROCESS AND PRACTICE ** 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY ** 3 CR. HRS.
- BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I ** 4 CR. HRS.
- BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II ** 4 CR. HRS.
- HUMANITIES * 3 CR. HRS.

Program Courses:

- BIOL 210 MICROBIOLOGY ** 4 CR. HRS.
- FCS 110 BASIC NUTRITION ** 3 CR. HRS.
- or FCS 120 PRINCIPLES OF NUTRITION ** 3 CR. HRS.
- HLTH 121 MEDICAL TERMINOLOGY ** 2 CR. HRS.
- RNRS 111 PHARMACOLOGY FOR NURSES ** 2 CR. HRS.
- RNRS 125 NURSING: LPN to RN TRANSITION ** 2 CR. HRS.
- RNRS 150 PRINCIPLES OF SAFE MEDICATION ADMINISTRATION ** 1 CR. HR.
- RNRS 210 HEALTH ASSESSMENT OF THE ADULT PATIENT ** 2 CR. HRS.
- RNRS 220 NURSING III 10 CR. HRS.
- RNRS 221 NURSING IV 10 CR. HRS.
- RNRS 222 NURSING MANAGEMENT AND LEADERSHIP 2 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY *** 3 CR. HRS.

*See specific requirements for Humanities, for Associate in Applied Science Degree.
** Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:

1st Semester: BIOL 205; ENGL 110; RNRS 150; RNRS 210; HLTH 121; ENGL 111 or COMM 110; SOC 110
2nd Semester: BIOL 206; FCS 110 or 120; RNRS 111; PSY 110; BIOL 210; Humanities Summer Semester 1:
3rd Semester: RNRS 125; RNRS 220
4th Semester: RNRS 221; RNRS 222

For the most up-to-date program requirements, go online to the College catalog: 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.
Assistant in Applied Science

Total Credit Hours: 62

Program Information: The mission of the Machine Tool Technology Associate in Applied Science degree program is to prepare students with the skills in the operation of machine tools for entry-level positions as industry professionals including precision machinists, mold makers, die makers, and tool makers.

Admission To the Program: Students applying for admission to the program should have their high school transcripts and ACT scores or college transcripts sent to the Enrollment Services Center, and must contact the Testing Office for basic skills testing in mathematics, reading, and English. Math skills equivalent to one year of high school algebra and one year of high school geometry are required for admission to the program. These courses are available at Illinois Central College for applicants who need to upgrade their mathematics skills.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5171 or (309) 694-5510

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Machine Tool Technology

GENERAL COURSES:
- ENGLISH* 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- PHYS 112 TECHNICAL PHYSICS I 4 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:
- MACTR 110 PRINT READING MECHANICAL 3 CR. HRS.
- MACTR 121 MACHINE TOOL OPERATION I 3 CR. HRS.
- MACTR 122 MACHINE TOOL OPERATION II 3 CR. HRS.
- MACTR 123 MACHINE TOOL OPERATION III 2 CR. HRS.
- MACTR 124 SPECIAL MACHINING SKILLS 2 CR. HRS.
- MACTR 221 MACHINING INTERNSHIP 1 CR. HR.
- MATH 130 TECHNICAL ALGEBRA AND TRIGONOMETRY 5 CR. HRS.
- MECTK 115 PRINCIPLES OF DIMENSIONAL METROLOGY 2 CR. HRS.
- MECTK 121 INTRODUCTION TO MECHANICAL COMPUTER AIDED DRAFTING .
- MECTK 204 STATICS AND STRENGTH OF MATERIALS 4 CR. HRS.
- MECTK 231 INDUSTRIAL FLUID POWER 3 CR. HRS.
- MECTK 232 MATERIALS SCIENCE AND PHYSICAL METALLURGY 3 CR. HRS.
- NCTK 110 INTRODUCTION TO NUMERICAL CONTROL SYSTEM 1 CR. HR.
- NCTK 210 FUNDAMENTALS OF CNC PROGRAMMING 2 CR. HRS.
- NCTK 212 CNC MACHINE OPERATION I 2 CR. HRS.
- NCTK 214 CNC MACHINE OPERATION II 2 CR. HRS.
- WLDTR 119 WELDING PROCESSES 2 CR. HRS.

* See specific requirements for the Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: MECTK 115; MACTR 121; Mathematics; English; MACTR 110
2nd Semester: MECTK 121; MACTR 122; Communication; PHYS 112; NCTK 110; NCTK 212
3rd Semester: NCTK 214; MACTR 123; Social Science; WLDTR 119; MECTK 231; MECTK 204
4th Semester: MACTR 124; MECTK 232; WLDTR 119; Humanities/Fine Arts; NCTK 210

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 35

Program Information: The mission of the Machinist certificate program is to provide students with entry-level skills needed to gain employment as machine operators of traditional manual machines and computer assisted numerically-controlled machines. This program will also allow practicing machinists to upgrade their competencies.

To Remain in and Graduate From the Program:
Students enrolled in this certificate program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
A/IT Building
Room 209
(309) 694-5171 or
(309) 694-5510

Machinist

PROGRAM COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACTR 110</td>
<td>PRINT READING MECHANICAL</td>
<td>3 CR. HRS.</td>
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<tr>
<td>MACTR 121</td>
<td>MACHINE TOOL OPERATION I</td>
<td>3 CR. HRS.</td>
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<tr>
<td>MACTR 122</td>
<td>MACHINE TOOL OPERATION II</td>
<td>3 CR. HRS.</td>
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<tr>
<td>MACTR 123</td>
<td>MACHINE TOOL OPERATION III</td>
<td>2 CR. HRS.</td>
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<tr>
<td>MACTR 124</td>
<td>SPECIAL MACHINING SKILLS</td>
<td>2 CR. HRS.</td>
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<tr>
<td>MAT 106</td>
<td>APPLIED ALGEBRA, GEOMETRY AND TRIGONOMETRY</td>
<td>4 CR. HRS.</td>
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<tr>
<td>MECTK 138</td>
<td>MANUFACTURING PROCESSES I</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>MECTK 232</td>
<td>MATERIALS SCIENCE AND PHYSICAL METALLURGY</td>
<td>3 CR. HRS.</td>
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<tr>
<td>NCTK 110</td>
<td>INTRODUCTION TO NUMERICAL CONTROL SYSTEMS</td>
<td>1 CR. HRS.</td>
</tr>
<tr>
<td>NCTK 210</td>
<td>FUNDAMENTALS OF NUMERICAL CONTROL PROGRAMMING</td>
<td>3 CR. HRS.</td>
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<tr>
<td>NCTK 212</td>
<td>CNC MACHINE OPERATION I</td>
<td>2 CR. HRS.</td>
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<tr>
<td>NCTK 214</td>
<td>N/C MACHINING, MILL</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>PHYS 104</td>
<td>PRE-TECHNICAL PHYSICS</td>
<td>4 CR. HRS.</td>
</tr>
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</table>

Recommended Course Sequence:
1st Semester: MACTR 110; MACTR 121; MACTR 122; MAT 106; NCTK 110
2nd Semester: MACTR 123; MACTR 124; PHYS 104; MECTK 232; NCTK 210
Summer Semester 1: MECTK 138; NCTK 212; NCTK 214
Associate in Applied Science

Total Credit Hours: 60 to 61

Program Information: The mission of the Maintenance Mechanic Technology Associate in Applied Science degree program is to prepare students with the skills and knowledge in troubleshooting, disassembly, repair and reassembly of hydraulic, pneumatic, mechanical, and electrical systems on industrial machinery.

Admission To the Program: Students applying for admission to the program should have high school transcripts and ACT scores or college transcripts sent to the Enrollment Services Center 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 Illinois Central College for applicants who need to upgrade their mathematics skills.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5171 or
(309) 694-5510

Recommended Course Sequence:
1st Semester: MECTK 149; MACTR 110; MECTK 150; Mathematics; English
2nd Semester: MECTK 152; ELCTS 131; ELCTS 132; PHYS 112; Humanities/Fine Arts
3rd Semester: MECTK 151; MECTK 231; ELCTS 133; MECTK 155; Social Science; Communications; Elective
4th Semester: MECTK 226; MECTK 232; MECTK 252; Elective

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
## Associate in Applied Science

**Total Credit Hours:** 62

**Program Information:** The mission of the Associate in Applied Science Management degree program is to prepare students for employment in managerial positions through education in management, fundamental business concepts, and classes specific to particular industry option.

**Additional Program Info:** The Associate in Applied Science Management program of study is designed for students preparing for managerial positions but provides the student with the opportunity to specialize by pursuing electives in one of two management career options—Supervision or Hospitality. Internship courses are offered whereby students can gain work experience in their chosen field and earn college credit while working at an approved business location. Program requirements can be completed in four semesters of full-time study or on a part-time basis. The program is not designed for college transfer, although some courses may transfer with approval from four-year institutions.

**To Remain in and Graduate From the Program:** Students enrolled in the Associate in Applied Science Degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Students should submit an "Application for Degree/Certificate" after completing 40 or more semester hours. The form is available in the Enrollment Services, L211.

**Contact Information:**
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

## Management

### GENERAL COURSES:
- **ENGL 110** COMPOSITION I 3 CR. HRS.
- **ENGL 125** BUSINESS COMMUNICATIONS 3 CR. HRS.
- **or** COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- **ECON 105** SURVEY OF ECONOMIC PRINCIPLES 3 CR. HRS.
- **ECON 110** PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- **BUS 120** BUSINESS MATHEMATICS 3 CR. HRS.
- **LABORATORY SCIENCE/MATHEMATICS** 4 CR. HRS.
- **HUMANITIES** 3 CR. HRS.

### PROGRAM COURSES:
- **ACCTG 120** FINANCIAL ACCOUNTING 4 CR. HRS.
- **BUS 112** INTRODUCTION TO BUSINESS CAREERS 1 CR. HR.
- **BUS 151** JOB ORIENTATION 2 CR. HRS.
- **BUS 215** LEGAL ENVIRONMENT OF BUSINESS 3 CR. HRS.
- **BUS 220** INTRODUCTION TO BUSINESS FINANCE 3 CR. HRS.
- **MGMT 113** PRINCIPLES OF MANAGEMENT 3 CR. HRS.
- **MGMT 213** MANAGEMENT CASES AND PROBLEMS 3 CR. HRS.
- **or** MGMT 260 MANAGEMENT INTERNSHIP 3 CR. HRS.
- **MGMT 205** PERSONNEL MANAGEMENT 3 CR. HRS.
- **MKTG 112** PRINCIPLES OF MARKETING 3 CR. HRS.
- **CMGEN 120** COMPUTER APPLICATIONS 3 CR. HRS.
- **or** CMPSC 120 BUSINESS COMPUTER SYSTEMS 3 CR. HRS.

### ELECTIVE COURSES:
- **APPROVED ELECTIVES** 15 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

**Students who wish to pursue a career in supervision should complete:** BUS 200; MGMT 114, 211, 215, 216 or other course with departmental approval. Students who wish to pursue a career in hospitality management should complete: BUS 121, CA 151; HOS 110, 111, 112 or other course with departmental approval.

### Recommended Course Sequence:
1st Semester: ENGL 110; BUS 112; BUS 120; MGMT 113; ACCTG 120; CMGEN 120 or CMPSC 120
2nd Semester: ENGL 125 or COMM 110; BUS 215; MKTG 112; Approved Electives (2)
3rd Semester: ECON 105 or ECON 110; Approved Electives (2); Laboratory Science/Mathematics
4th Semester: MGMT 205; BUS 220; MGMT 213 or MGMT 260; BUS 151; Humanities; Approved Elective

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For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 66

Program Information: The mission of the Supply Chain Management program is to prepare students for employment in Supply Chain Management through education in management, fundamental business concepts, and supply chain management.

Additional Program Info: The Associate in Applied Science Management program of study is 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 Management; 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. The program is not designed for college transfer, although some courses may transfer with approval from four-year institutions. Students enrolled in the Associate in Applied Science Degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

To Remain in and Graduate From the Program:
Students should submit an “Application for Degree/ Certificate” after completing 40 or more semester hours of this program. The form is available in the Enrollment Services, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Management - Supply Chain Management

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 125 BUSINESS COMMUNICATIONS 3 CR. HRS.
- or COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- or ECON 105 SURVEY OF ECONOMIC PRINCIPLES 3 CR. HRS.
- or ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- BUS 120 BUSINESS MATHEMATICS 3 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- BUS 112 INTRODUCTION TO BUSINESS CAREERS 1 CR. HR.
- BUS 151 JOB ORIENTATION 2 CR. HRS.
- BUS 200 HUMAN RELATIONS IN BUSINESS 3 CR. HRS.
- BUS 215 LEGAL ENVIRONMENT OF BUSINESS 3 CR. HRS.
- CMGEN 120 COMPUTER APPLICATIONS 3 CR. HRS.
- or CMPSC 120 BUSINESS COMPUTER SYSTEMS 3 CR. HRS.
- MGMT 113 PRINCIPLES OF MANAGEMENT 3 CR. HRS.
- MGMT 205 PERSONNEL MANAGEMENT 3 CR. HRS.
- MGMT 211 MANAGING THE SUPPLY CHAIN 3 CR. HRS.
- MGMT 213 MANAGEMENT CASES AND PROBLEMS 3 CR. HRS.
- MGMT 260 MANAGEMENT INTERNSHIP 3 CR. HRS.
- MKTG 112 PRINCIPLES OF MARKETING 3 CR. HRS.
- SCM 111 CONTEMPORARY LOGISTICS 3 CR. HRS.
- SCM 220 BASICS OF SUPPLY CHAIN MANAGEMENT 2 CR. HRS.
- SCM 231 QUALITY MANAGEMENT 2 CR. HRS.
- SCM 232 DETAILED SCHEDULING AND PLANNING 2 CR. HRS.
- SCM 233 EXECUTION AND CONTROL OF OPERATIONS 2 CR. HRS.
- SCM 234 STRATEGIC MANAGEMENT OF RESOURCES 2 CR. HRS.

ELECTIVE COURSES:
- BUSINESS ELECTIVE** 3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

** BUS 111 is recommended for the Supply Chain Option.

Recommended Course Sequence:
1st Semester: ENGL 110; BUS 112; BUS 120; MGMT 113; ACCTG 120; CMGEN 120 or CMPSC 120
2nd Semester: ENGL 125 or COMM 110; BUS 215; BUS 200; MKTG 112; Business Elective
3rd Semester: MGMT 205; Laboratory Science/Mathematics; SCM 220; SCM 231; SCM 233; MGMT 211
4th Semester: MGMT 213 or 260; ECON 105 or 110; BUS 151; Humanities; SCM 232; SCM 234; SCM 111

For the most up-to-date program requirements, go online to the College catalog: 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  
Total Credit Hours: 25 to 26

Program Information: The mission of the Management of Supply Chain certificate program is to prepare students for employment in Supply Chain Management through education in management, fundamental business concepts, and supply chain management.

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

Contact Information:  
Business, Hospitality, and Information Systems Department  
East Peoria Campus  
Technology Center  
Room 205  
(309) 694-5558

Management of Supply Chain

PROGRAM COURSES:

- ELECTIVES*  
- MKTG 112 PRINCIPLES OF MARKETING  
- MGMT 211 MANAGING THE SUPPLY CHAIN  
- SCM 111 CONTEMPORARY LOGISTICS  
- SCM 220 BASICS OF SUPPLY CHAIN MANAGEMENT  
- SCM 231 QUALITY MANAGEMENT  
- SCM 232 DETAILED SCHEDULING AND PLANNING  
- SCM 233 EXECUTION AND CONTROL OF OPERATIONS  
- SCM 234 STRATEGIC MANAGEMENT OF RESOURCES

* Choose 2 of the following recommended electives: ACCTG 120, 121, BUS 111, 115, 200, ECON 110, MGMT 113, MKTG 260

Recommended Course Sequence:

1st Semester: MKTG 112; SCM 220; SCM 231; SCM 233; MGMT 211  
2nd Semester: (2) Approved Electives; SCM 111; SCM 232; SCM 234

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 60 to 62

Program Information: The mission of the Manufacturing Engineering Technology Associate in Applied Science degree program is to prepare students with the skills and knowledge for entry-level positions in manufacturing firms. Students will learn about manufacturing processes as well as manufacturing equipment, parts, and quality problems.

Additional Program Info: The college maintains articulation agreements with several universities from which students may pursue a bachelor's degree upon graduating.

Admission To the Program: Students must complete basic skills placement test before entering the program. Contact the Testing Center at (309) 694-5234.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5171 or
(309) 694-5510

Manufacturing Engineering Technology

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 201 TECHNICAL COMMUNICATIONS 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATHEMATICS** 3 CR. HRS.
- PHYS 112 TECHNICAL PHYSICS I 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:

- MECTK 110 INTRODUCTION TO THE TOOLS OF TECHNOLOGY 3 CR. HRS.
- MECTK 115 PRINCIPLES OF DIMENSIONAL METROLOGY 2 CR. HRS.
- MECTK 121 INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING 3 CR. HRS.
- MECTK 125 3D MODELING WITH CAD 3 CR. HRS.
- MECTK 138 MANUFACTURING PROCESSES I 3 CR. HRS.
- MECTK 204 STATICS AND STRENGTH OF MATERIALS 4 CR. HRS.
- MECTK 226 STATISTICS AND QUALITY CONTROL 3 CR. HRS.
- MECTK 231 INDUSTRIAL FLUID POWER 3 CR. HRS.
- MECTK 232 MATERIALS SCIENCE AND PHYSICAL METALLURGY 3 CR. HRS.
- MECTK 238 MANUFACTURING PROCESSES II 3 CR. HRS.
- PHYS 113 TECHNICAL PHYSICS II 4 CR. HRS.
- WLDTR 119 WELDING PROCESSES 2 CR. HRS.

ELECTIVE COURSES:

- TECHNICAL ELECTIVES*** 5 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

** Math Sequence (minimum 6 credit hours); Option 1: (Baccalaureate Sequence-Preferred) MATH 130 and 137, Option 2: (Baccalaureate Sequence) MATH 115 and 120, Option 3: (Nontransfer Sequence) MAT 108 and 130

*** Technical Electives: NCTK 212, 214; MECTK 251; SCM 220, 231, 232

Recommended Course Sequence:
1st Semester: MECTK 110 or MACTR 110; MECTK 138; MECTK 115; Mathematics; ENGL 110
2nd Semester: MECTK 121 or 125; MECTK 238; Mathematics; PHYS 112; WLDTR 119
3rd Semester: MECTK 204; MECTK 231; PHYS 113; Technical Elective(s); Social Science
4th Semester: MECTK 226; MECTK 232; Humanities; ENGL 201; Technical Elective(s)

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science**

**Total Credit Hours:** 64 to 65

**Program Information:** The mission of the Associate in Applied Science degree program is to prepare students for employment in supervisory positions in marketing through education in marketing, sales, advertising, customer service, consumer marketing, as well as broad-based business classes including international business, legal environment of business, human relations, management, accounting/bookkeeping, and a marketing internship.

**Additional Program Info:** Students enrolled in the Associate in Applied Science degree program must meet each semester with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

**Contact Information:**
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

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**Marketing/Sales and Retail Management**

**GENERAL COURSES:**
- **ENGL 110**  COMPOSITION I  3 CR. HRS.
- **ENGL 125**  BUSINESS COMMUNICATIONS  3 CR. HRS.
- **ECON 105**  SURVEY OF ECONOMIC PRINCIPLES  3 CR. HRS.
- **ECON 110**  PRINCIPLES OF MACROECONOMICS  3 CR. HRS.
- **BUS 120**  BUSINESS MATHEMATICS  3 CR. HRS.
- **LABORATORY SCIENCE/MATHEMATICS**  4 CR. HRS.
- **HUMANITIES**  3 CR. HRS.

**PROGRAM COURSES:**
- **ACCTG 105**  BOOKKEEPING/ACCOUNTING I  4 CR. HRS.
- **ACCTG 120**  FINANCIAL ACCOUNTING  4 CR. HRS.
- **BUS 111**  INTERNATIONAL BUSINESS  3 CR. HRS.
- **BUS 112**  INTRODUCTION TO BUSINESS CAREERS  1 CR. HR.
- **BUS 121**  PRINCIPLES OF CUSTOMER SERVICE  3 CR. HRS.
- **BUS 151**  JOB ORIENTATION  2 CR. HRS.
- **BUS 200**  HUMAN RELATIONS IN BUSINESS  3 CR. HRS.
- **BUS 215**  LEGAL ENVIRONMENT OF BUSINESS  3 CR. HRS.
- **CMGEN 120**  COMPUTER APPLICATIONS  3 CR. HRS.
- **CMPS 120**  BUSINESS COMPUTER SYSTEMS  3 CR. HRS.
- **MGMT 113**  PRINCIPLES OF MANAGEMENT  3 CR. HRS.
- **MKTG 112**  PRINCIPLES OF MARKETING  3 CR. HRS.
- **MKTG 115**  RETAILING  3 CR. HRS.
- **MKTG 200**  ADVERTISING  3 CR. HRS.
- **MKTG 201**  SALES  3 CR. HRS.
- **MKTG 202**  CONSUMER MARKETING  3 CR. HRS.
- **MKTG 260**  MARKETING INTERNSHIP  3 CR. HRS.

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

*See specific requirements for Associate in Applied Science Degree.

**Approved Electives:** CA 217, MKTG 207, MGMT 203, MGMT 205, MGMT 211 or MGMT 216

**Recommended Course Sequence:**
1st Semester: ENGL 110; BUS 120; ACCTG 105 or ACCTG 120; MKTG 112; BUS 112; CMGEN 120 or CMPS 120
2nd Semester: BUS 215; ENGL 125 or COMM 110; BUS 200; MGMT 113; Approved Elective
3rd Semester: ECON 105 or ECON 110; MGMT 115; MKTG 201; BUS 111; BUS 151; Laboratory Science/Mathematics
4th Semester: MKTG 200; MKTG 202; BUS 121; MKTG 260; Approved Elective; Humanities Elective

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For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 37

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

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

Admission To the Program: High school graduate or equivalent. Completion of TM 110 with a grade of “C” or better. Completion of BIOL 140 with a grade of “C” or better (Note: BIOL 140 requires a COMPASS reading score of 81 or higher or completion of appropriate ENGL prerequisites).

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

To Remain in and Graduate From the Program: Maintain a “C” or better in all required program courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

Massage Therapist

PROGRAM COURSES:

- BIOL 140  HUMAN ANATOMY AND PHYSIOLOGY *  4 CR. HRS.
- FCS 110  BASIC NUTRITION ***  2 CR. HRS.
- HLTH 120  FIRST AID ***  2 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY ***  3 CR. HRS.
- TM 110  INTRODUCTION TO MASSAGE THERAPY AND BODYWORK  1 CR. HR.
- TM 111  FUNDAMENTAL MASSAGE TECHNIQUES  2 CR. HRS.
- TM 112  APPLIED ANATOMY AND PHYSIOLOGY FOR THE BODYWORKER  3 CR. HRS.
- TM 113  PROFESSIONAL ISSUES FOR THE BODYWORKER  2.5 CR. HRS.
- TM 114  PATHOLOGY, DOCUMENTATION, AND TERMINOLOGY FOR THE BODYWORKER  2.5 CR. HRS.
- TM 115  CONCEPTS OF HOLISTIC HEALTH  2 CR. HRS.
- TM 120  THERAPEUTIC MASSAGE CLINICAL I  1 CR. HR.
- TM 121  ADDRESSING THE MUSCLE  3.5 CR. HRS.
- TM 123  MASSAGE THERAPY TECHNIQUES, VARIATIONS, AND APPLICATIONS  3 CR. HRS.
- TM 125  APPLIED KINESIOLOGY FOR THE BODYWORKER  3 CR. HRS.
- TM 127  THERAPEUTIC MASSAGE CLINICAL II**  2.5 CR. HRS.

* Prerequisite for Massage Therapy Program
** Extended course that continues through the end of semester break ending mid-summer semester
*** Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:
Previous Semester (for preprogram courses): BIOL 140 (prerequisite); TM 110 (prerequisite); HLTH 120; FCS 110; PSY 110
1st Semester: Fall Semester: TM 111; TM 112; TM 113; TM 114; TM 115
2nd Semester: Spring Semester: TM 120 (eight weeks); TM 121; TM 123; TM 125; TM 127(sixteen week course beginning second eight weeks)

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 67

Program Information: The mission of the Mechanical Engineering Technology Associate in Applied Science program is to prepare students to continue on for a bachelor's degree in manufacturing engineering or industrial technology, or to enter the workforce in the manufacturing community.

Additional Program Info: The role of the Mechanical Engineering Technologist in industry is quite varied. They are often employed in the design office of a manufacturer. Some entry-level graduates construct 3D-models of machines or parts. The career path of these graduates could lead to job titles of senior designer or design supervisor. Mechanical Engineering Technologists also work in product support, solving design-related problems, as service information technologists, write and develop service and repair instructions, applications engineers, who help equipment manufacturers design the correct bearings, pumps, motors, etc. into a wide range of products. Students develop a strong foundation in CAD software, analytical and rational problem solving skills, taking courses in mathematics, science, and machine design. Students can receive a bachelor's degree in Engineering Technology by transferring to Bradley University or one of several Illinois state universities.

Admission To the Program: Students applying for admission to the program should have high school transcripts and ACT scores or college transcripts sent to the Enrollment Services Center. Math skills equivalent to two years of high school algebra and one year of high school geometry are required for admission to the program (two years of high school technical math or applied math equals one year of algebra). These courses are available at Illinois Central College for students wishing to upgrade their skills.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 220
(309) 694-8447 or (309) 694-5510

Mechanical Engineering Technology

GENERAL COURSES:
- ENGL 110 COMPOSITION I  3 CR. HRS.
- ENGL 201 TECHNICAL COMMUNICATIONS  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATH 137 TECHNICAL CALCULUS  3 CR. HRS.
- PHYS 112 TECHNICAL PHYSICS I  4 CR. HRS.
- HUMANITIES*  3 CR. HRS.

PROGRAM COURSES:
- MATH 130 TECHNICAL ALGEBRA AND TRIGONOMETRY  5 CR. HRS.
- MECTK 110 INTRODUCTION TO THE TOOLS OF TECHNOLOGY  3 CR. HRS.
- MECTK 121 INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING  3 CR. HRS.
- MECTK 123 MECHANICAL DETAILING WITH CAD  3 CR. HRS.
- MECTK 125 3-D MODELING WITH PRO-ENGINEER  4 CR. HRS.
- MECTK 138 MANUFACTURING PROCESSES I  3 CR. HRS.
- MECTK 201 MECHANISMS  3 CR. HRS.
- MECTK 204 STATICS AND STRENGTH OF MATERIALS  4 CR. HRS.
- MECTK 220 ADVANCED CAD PROJECTS  2 CR. HRS.
- MECTK 221 MACHINE DESIGN I  3 CR. HRS.
- MECTK 222 MACHINE DESIGN II  3 CR. HRS.
- MECTK 231 INDUSTRIAL FLUID POWER  3 CR. HRS.
- MECTK 232 MATERIALS SCIENCE AND PHYSICAL METALLURGY  3 CR. HRS.
- PHYS 111 TECHNICAL PHYSICS II  4 CR. HRS.
- WLDTR 119 WELDING PROCESSES  2 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: MECTK 110; MECTK 121; MECTK 138; ENGL 110; MATH 130
2nd Semester: MECTK 123; WLDTR 119; PHYS 112; MATH 137; Humanities
3rd Semester: MECTK 231; MECTK 221; MECTK 204; MECTK 125; PHYS 113
4th Semester: MECTK 220; MECTK 222; MECTK 201; MECTK 232; ENGL 201

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 26

Program Information: The mission of the Mechanical/Electrical Maintenance certificate program is to use lecture and hands-on laboratory experience to prepare students for employment in the maintenance mechanic and/or industrial electrical field by educating them in the knowledge, skills, and behaviors as an entry-level Mechanical/Electrical Technician.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AiT Building
Room 209
(309) 694-5526

Mechanical/Electrical Maintenance

Program Information:

Certificate
Total Credit Hours: 26

Program Information: The mission of the Mechanical/Electrical Maintenance certificate program is to use lecture and hands-on laboratory experience to prepare students for employment in the maintenance mechanic and/or industrial electrical field by educating them in the knowledge, skills, and behaviors as an entry-level Mechanical/Electrical Technician.

Program Courses:

- **ELECTIVES**
  - MAT 106 APPLIED ALGEBRA, GEOMETRY AND TRIGONOMETRY*
  - MECTK 111 TECHNICAL DRAFTING

  * 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.

Recommended Course Sequence:
1st Semester: MAT 106; MECTK 111; Electives
Certificate

Total Credit Hours: 27

Program Information: The Mechatronics certificate program of study prepares graduates for technical positions in the expanding field of electrical/mechanical systems installation and service. A person interested in pursuing education and employment in this area should have high mechanical aptitude. This program is also intended for the individual who wishes to upgrade skills or to prepare for a career as a multi-skilled maintenance technician.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5171 or (309) 694-5526

MECHATRONICS

Program Courses:
- ELCTS 131 INTRODUCTION TO BASIC ELECTRICITY* 2 CR. HRS.
- ELCTS 132 SERVICE ELECTRONICS–D.C. CIRCUITS 2 CR. HRS.
- ELCTS 133 SERVICE ELECTRONICS–A.C. CIRCUITS 2 CR. HRS.
- ELCTK 150 INDUSTRIAL ELECTRICITY 4 CR. HRS.
- MACTR 110 PRINT READING–MECHANICAL 3 CR. HRS.
- MECTK 149 BASIC POWER TRANSMISSION 2 CR. HRS.
- MECTK 152 INDUSTRIAL RIGGING 2 CR. HRS.
- MECTK 231 INDUSTRIAL FLUID POWER* 3 CR. HRS.

Elective Courses:
- ELECTIVES** 7 CR. HRS.

* Successful completion of MAT 106 or higher with a grade of "C" or better is a prerequisite to enroll in this course.
** ELCTK 151; ELCTK 215; MECTK 150; MECTK 151; MECTK 252

Recommended Course Sequence:
Previous Semester (for preprogram courses): MAT 106 or higher
1st Semester: ELCTS 131, ELCTS 132, ELCTS 133, MACTR 110, MECTK 149, Elective
2nd Semester: ELCTK 150, MECTK 152, MECTK 231, Elective, Elective (if needed)
**Associate in Applied Science**

**Total Credit Hours:** 62

**Program Information:** The mission of the Mechatronics Technology Associate in Applied Science degree program is to use lecture and hands-on laboratory experience to prepare the graduate for employment in industry/business as an electro-mechanical technician by educating them in the knowledge, skills, and behaviors as a mechatronics technician.

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

**Admission To the Program:** Students applying for admission to the program should have high school transcripts and ACT scores or college transcripts sent to the college. Math and Reading placement testing is required for admission. 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 Illinois Central College for applicants who need to upgrade their mathematics skills.

**Contact Information:**
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5171 or
(309) 694-5510

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**Mechatronics Technology**

**GENERAL COURSES:**
- ENGLISH* 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 7 CR. HRS.
- HUMANITIES* 3 CR. HRS.

**PROGRAM COURSES:**
- ELCTK 150 INDUSTRIAL ELECTRICITY 4 CR. HRS.
- ELCTK 151 ELECTRICAL SYSTEMS TROUBLESHOOTING 3 CR. HRS.
- ELCTK 215 PROGRAMMABLE CONTROLLERS 4 CR. HRS.
- ELCTS 131 INTRODUCTION TO BASIC ELECTRICITY 2 CR. HRS.
- ELCTS 132 SERVICE ELECTRONICS–D.C. CIRCUITS 2 CR. HRS.
- ELCTS 133 SERVICE ELECTRONICS–A.C. CIRCUITS 2 CR. HRS.
- MACTR 110 PRINT READING–MECHANICAL 3 CR. HRS.
- MACTR 121 MACHINE TOOL OPERATION I 3 CR. HRS.
- MECTK 149 BASIC POWER TRANSMISSION 2 CR. HRS.
- MECTK 150 MECHANICAL SYSTEMS I 2 CR. HRS.
- MECTK 151 MECHANICAL SYSTEMS II 2 CR. HRS.
- MECTK 152 INDUSTRIAL RIGGING 2 CR. HRS.
- MECTK 231 INDUSTRIAL FLUID POWER 3 CR. HRS.
- MECTK 252 ADVANCED TROUBLESHOOTING 3 CR. HRS.
- NCTK 110 INTRODUCTION TO NUMERICAL CONTROL SYSTEMS 1 CR. HRS.
- NCTK 212 N/C MACHINING, LATHE 2 CR. HRS.

**ELECTIVE COURSES:**
- WELDING ELECTIVE** 3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.
** Recommended Electives: WLDTR 112 and two additional credit hours of WLDTR with advisor approval.

**Recommended Course Sequence:**
1st Semester: ELCTS 131; ELCTS 132; ELCTS 133; MACTR 110; MACTR 121; Laboratory Science/Mathematics
2nd Semester: ELCTK 150; ELCTK 151; ELCTK 215; MECTK 149; MECTK 150; MECTK 231
3rd Semester: MECTK 151; MECTK 152; MECTK 252; NCTK 110; NCTK 212; English; Welding Elective
4th Semester: Communication; Humanities; Laboratory Science/Mathematics; Social Science; Welding Elective

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 40

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

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

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

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of "C" or better. ACT composite score of 17 or above OR have grade point average (GPA) of 2.0 or above at ICC or last college attended OR completion of 9 credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of “C” or better. Grade point average (GPA) of 2.0 or above at ICC or last college attended OR completion of 9 credit hours of ‘program’ courses with a grade of “C” or better. One year high school algebra with a grade of "C" or higher OR completion of MAT 094 or MAT 097 or MAT 099 with a grade of "C" or better OR placement into MAT 098 or higher. Completion of TYPE 120 with a grade of "C" or better OR placement into TYPE 121. Completion of HLTH 121 with a grade of “C” or better.

Requirements upon Program Acceptance: Drug screen, fingerprint criminal background check, physical exam, and immunizations. Documentation of current CPR certification from the American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider. CPR certification must remain current throughout the program. (Deadline for providing proof of current CPR certification is April 1st of the program’s Spring Semester).

Recommended High School Subjects: (1) three years of English (2) one year of algebra (3) biology (4) word processing.

To Remain in and Graduate From the Program: Maintain a grade of “C” or better in all required program courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

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

Medical Assistant

PROGRAM COURSES:

- MLT 110  INTRODUCTION TO THE MEDICAL LABORATORY AND PHLEBOTOMY*  2 CR. HRS.
- ENGL 110  COMPOSITION I  3 CR. HRS.
- BIOL 140  HUMAN ANATOMY AND PHYSIOLOGY*  4 CR. HRS.
- MEDO 111  MEDICAL ASSISTANT CLINICAL PROCEDURES*  4 CR. HRS.
- MEDO 110  MEDICAL ASSISTANT ADMINISTRATIVE SKILLS*  4 CR. HRS.
- HLTH 120  FIRST AID*  2 CR. HRS.
- HLTH 071  BASIC ELECTROCARDIOGRAMS*  1 CR. HR.
- HEOCC 200  DISEASE PROCESSES IN MAN*  3 CR. HRS.
- MEDO 112  MEDICAL OFFICE COMPUTER SKILLS*  1 CR. HR.
- MEDO 115  INTRODUCTION TO ICD-10-CM AND ICD-10-PCS CODING*  3 CR. HRS.
- MEDO 117  INTRODUCTION TO CURRENT PROCEDURAL TERMINOLOGY (CPT) CODING*  2 CR. HRS.
- MEDO 119  INTRODUCTION TO PHARMACOLOGY FOR MEDICAL ASSISTANTS*  2 CR. HRS.
- MEDO 125  MEDICAL ASSISTANT PRACTICUM*  3 CR. HRS.
- MLT 112  PHLEBOTOMY CLINICAL PRACTICUM*  2 CR. HRS.
- MEDO 114  CLINICAL LABORATORY SKILLS FOR MEDICAL ASSISTANTS*  4 CR. HRS.

* All courses with the exception of ENGL 110 must be completed within (5) years of admission to the program.

Recommended Course Sequence:

1st Semester: ENGL 110; BIOL 140; MEDO 110; MEDO 112; MEDO 117
2nd Semester: MEDO 111; MEDO 115; MLT 110; HEOCC 200; HLTH 071; HLTH 120
Summer Semester: MEDO 114; MLT 112
3rd Semester: MEDO 125; MEDO 119
Certificate

Total Credit Hours: 27

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

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

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of “C” or better. ACT composite score of 17 or above OR have completed 9 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of “C” or better. Grade point average (GPA) of 2.0 or above at ICC or last college attended OR completion of 9 credit hours of “program” courses with a grade of “C” or better. One year high school biology with a grade of “C” or better OR completion of an equivalent college biology course with a grade of “C” or better.

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

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

To Remain in and Graduate From the Program:
Students must attain a grade of “C” or better in all coursework to remain in and graduate from program.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

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Medical Coder

PROGRAM COURSES:

- BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I* 4 CR. HRS.
- BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II* 4 CR. HRS.
- HEOCC 112 INTRODUCTION TO PHARMACOLOGY**** 2 CR. HRS.
- HEOCC 200 DISEASE PROCESSES IN MAN**** 3 CR. HRS.
- HEOCC 220 LEGAL ISSUES IN HEALTH CARE 1 CR. HR.
- HLTH 121 MEDICAL TERMINOLOGY**** 2 CR. HRS.
- MEO 112 MEDICAL OFFICE COMPUTER SKILLS** 1 CR. HR.
- MEO 115 INTRODUCTION TO ICD-10-CM AND ICD-10-PCS CODING 3 CR. HRS.
- MEO 117 INTRODUCTION TO CURRENT PROCEDURAL TERMINOLOGY (CPT) CODING 2 CR. HRS.
- MEO 118 CODING INTERNSHIP*** 2 CR. HRS.
- MEO 120 INTERMEDIATE ICD-10-CM AND ICD-10-PCS CODING 3 CR. HRS.

* BIOL 205 and 206 must be completed within 5 years of admission into the program
** Or a department-approved computer course.
*** Arranged by the program coordinator upon completion of all program courses.
**** Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:
1st Semester: HLTH 121; BIOL 205; MEO 112; HEOCC 220
2nd Semester: BIOL 206; HEOCC 112; MEO 117; HEOCC 200
Summer Semester 1: MEO 115
3rd Semester: MEO 120
4th Semester: MEO 118

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 6

Program Information: The mission of the Medical Corpsmen to Practical Nurse certificate is to provide the knowledge, skills, and abilities necessary to practice safely as a practical nurse.

Admission To the Program: Successful completion of the Medical Education and Training Campus (METC) Basic Medical Technician Corpsman Program* and seek to earn a practical nurse certificate.

* Navy B3000010 Hospital Corpsman (HM0000), Air Force Phase 1 L8AQJ4N031 01AA, Aerospace Medical Service Apprentice Course (4N031)

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

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 65 to 69

Program Information: The mission of the Associate in Applied Science Medical Laboratory Technician program is to prepare its graduates to attain entry-level skills for practice in a clinical laboratory by providing the resources, curriculum, and clinical experiences to its students.

Additional Program Info: Under the supervision of Medical Laboratory Scientists, MLTs perform most of the common laboratory tests in a medical laboratory. They examine and analyze body fluids and cells. They look for bacteria, parasites, and other microorganisms; analyze the chemical content of fluids; match blood for transfusion; and test for drug levels in the blood that show how a patient is responding to treatment. The MLTs use microscopes, cell counters, and other high-tech, computer-operated laboratory equipment. After testing and examining the samples, they analyze the results and relay them to the physicians. Those test results help doctors determine the right treatments for patients—and occasionally lead to extraordinary breakthroughs. Clinical experiences are provided in laboratories in Illinois and Iowa: American Red Cross, UnityPoint Health-Methodist, UnityPoint-Prosper, OSF Saint Francis Medical Center, Illinois CanoeCare, and Veterans Administration Clinic; Peoria; Advocate BroMenn Medical Center, Normal; Advocate Eureka Hospital, Eureka; Abraham Lincoln Memorial Hospital, Lincoln; OSF Saint James-John W Albrecht Medical Center, Pontiac; St. Margaret's Hospital, Spring Valley; Perry Memorial Hospital, Princeton; Illinois Valley Community Hospital, Peru; and Great River Medical Center, West Burlington, Iowa.

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

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of “C” or better. ACT composite score of 20 or above OR have completed 18 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of “C” or better. ICC grade point average (GPA) of 2.0 or above (if you have attended ICC). GPA of 2.0 or above at the last college attended (other than ICC) OR completion of 18 credit hours of “program” courses at ICC or other colleges with a grade of “C” or better. One year high school chemistry with a “C” average or higher OR completion of an equivalent college chemistry course with a “C” or better. Completion of MAT 098 with a grade of “C” or better OR placement into MATH 115 or higher. Mandatory observation in a clinical laboratory or MLT student laboratory or completion of MLT 101 and MLT 102 or MLT 110.

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

To Remain in and Graduate From the Program: Maintain a grade of “C” or better in all CHEM, BIOL, MATH and MLT courses. Maintain an overall GPA 2.0 or better.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

Medical Laboratory Technician

GENERAL COURSES:

- BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY***
- or BIOL 205 PRINCIPLES OF HUMAN ANATOMY***
- or BIOL 206 AND PHYSIOLOGY I**
- and BIOL 206 PRINCIPLES OF HUMAN ANATOMY***
- and PHYSIOLOGY II**
- HUMANITIES/FINE ARTS*
- BIOL 210 MICROBIOLOGY**
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE***
- ENGL 110 COMPOSITION***
- PSY 110 INTRODUCTION TO PSYCHOLOGY***

Program Courses:

- CHEM 120 PRINCIPLES OF CHEMISTRY I**
- or CHEM 130 GENERAL CHEMISTRY**
- CHEM 122 or CHEM 132 PRINCIPLES OF CHEMISTRY**
- or CHEM 132 GENERAL CHEMISTRY**
- MLT 101 INTRO TO MEDICAL LABORATORY SCIENCE***
- and MLT 102 INTRODUCTION TO GENERAL MEDICAL LABORATORY TECHNIQUES***
- or MLT 110 INTRODUCTION TO THE MEDICAL LABORATORY AND PHLEBOTOMY***
- MLT 115 FUNDAMENTALS OF URINALYSIS AND BODY FLUIDS
- MLT 116 FUNDAMENTALS OF IMMUNOLOGY AND SEROLOGY
- MLT 210 FUNDAMENTALS OF HEMATOLOGY AND HEMOSTASIS
- MLT 214 FUNDAMENTALS OF CLINICAL CHEMISTRY
- MLT 216 FUNDAMENTALS OF IMMUNOHEMATOLOGY
- MLT 218 FUNDAMENTALS OF CLINICAL MICROBIOLOGY
- MLT 220 ADVANCED CLINICAL HEMATOLOGY
- MLT 224 ADVANCED CLINICAL CHEMISTRY
- MLT 222 APPLIED CLINICAL EXPERIENCE I
- MLT 228 ADVANCED CLINICAL MICROBIOLOGY
- MLT 230 PROFESSIONAL SEMINAR
- MLT 232 APPLIED CLINICAL EXPERIENCE II

* See specific requirements for the Associate in Applied Science Degree.
** If previously completed, these courses must be within 5 years of admission to the program.
*** Underlined courses may be taken prior to admission to the program.

Recommended Course Sequence:
1st Semester: BIOL 140 or BIOL 205 and BIOL 206; CHEM 120 or CHEM 130, ENGL 110, Humanities/Fine Arts, MLT 101 or MLT 110
2nd Semester: CHEM 122 or CHEM 132, BIOL 210, COMM 110, PSY 110, MLT 102 or MLT 110
Summer Semester 1: MLT 115, MLT 116
3rd Semester: MLT 210, MLT 214, MLT 216, MLT 218, MLT 222
4th Semester: MLT 220, MLT 224, MLT 228, MLT 230, MLT 232

The following courses may be taken to develop additional skills for the MLT graduate or for the student interested in employment in histology laboratory. Courses are offered in cooperative agreement with OSF Saint Francis Medical Center and ICC. Graduates of the Histotechnology Certificate Program are eligible to take the histologic technician certification examination by The American Society for Clinical Pathology (ASCP).

- MELDR 125 HISTOLOGY I: GENERAL TECHNIQUES 8 SEM. HRS.
- MELDR 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 cumulative GPA of 2.5 or better. Recommended high school subjects: 4 years English/communications; 2 years algebra; 1 year geometry; 1 year biological science; 1 year chemistry.

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 31

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

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

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 17 or above OR have completed 9 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at another colleges within grade of “C” or better. Grade point average (GPA) of 2.0 or above at ICC or last college attended OR completion of 9 credit hours of ‘program’ courses with a grade of “C” or better. One year high school pre-algebra with a grade of “C” average or higher OR completion of MAT 092 with a grade of “C” or better OR completion of TYPE 121 with a grade of “C” or better. Grade point average (GPA) of 2.0 or above at ICC or last college attended OR completion of 9 credit hours of ‘program’ courses with a grade of “C” or better. One year high school pre-algebra with a grade of “C” average or higher OR completion of MAT 092 with a grade of “C” or better OR completion of TYPE 121 with a grade of “C” or better. Grade point average (GPA) of 2.0 or above at ICC or last college attended OR completion of 9 credit hours of ‘program’ courses with a grade of “C” or better.

Upon Acceptance into the Program: Drug screen, fingerprint criminal background check, physical exam, and immunizations. Documentation of current CPR certification from the American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider. CPR certification must remain current throughout the program. (Deadline for providing proof of current CPR certification is December 1st of the programs fall semester).

Recommended High School Subjects: (1) three years of English (2) one year of prealgebra (3) one semester of high school word processing or equivalent.

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

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Medical Office Administrative Assistant

PROGRAM COURSES:

- ACCTG 105 BOOKKEEPING/ACCOUNTING** 3 CR. HRS.
- BIOL 106 or BIOL 140 HUMAN BIOLOGY** 4 CR. HRS.
- BUS 121 PRINCIPLES OF CUSTOMER SERVICE** 3 CR. HRS.
- ENGL 110 COMPOSITION*I 3 CR. HRS.
- HEOCC 112 INTRODUCTION TO PHARMACOLOGY** 2 CR. HRS.
- MEDO 110 MEDICAL ASSISTANT ADMINISTRATIVE SKILLS 4 CR. HRS.
- MEDO 112 MEDICAL OFFICE COMPUTER SKILLS 1 CR. HR.
- MEDO 115 INTRODUCTION TO ICD-10-CM AND I CD-10-PCS CODING 3 CR. HRS.
- MEDO 117 INTRODUCTION TO CURRENT PROCEDURAL TERMINOLOGY (CPT) CODING 2 CR. HRS.
- MEDO 122 MEDICAL OFFICE ADMINISTRATIVE PRACTICUM 3 CR. HRS.
- TYPE 121 KEYBOARDING/WORD PROCESSING II** 3 CR. HRS.

*All courses within the program must be completed within (5) years of admission to the program excluding ENGL 110.
** Underlined courses may be completed prior to admission into program.

Recommended Course Sequence:
1st Semester: MEDO 110; MEDO 112; BIOL 106 or BIOL 140; TYPE 121; MEDO 115
2nd Semester: MEDO 122; ACCTG 105; MEDO 117; HEOCC 112; BUS 121; ENGL 110

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 61

Program Information: The multimedia career degree prepares individuals to work in a multimedia field. This program of study emphasizes basic technical proficiency with industry standard software and hardware; teaches preproduction, production, and postproduction skills; and explores creative problem solving with respect to multimedia. Upon completion of the degree, students will have created a portfolio of their work as required by the multimedia industry.

Additional Program Info: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

Multimedia

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- LABORATORY SCIENCE* 4 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- ART 151 ART HISTORY II 3 CR. HRS.

PROGRAM COURSES:
- GCOMM 245 WEB PUBLISHING WITH ADOBE DREAMWEAVER 3 CR. HRS.
- GCOMM 247 ADVANCE WEB PUBLISHING WITH ADOBE DREAMWEAVER AND FLASH 3 CR. HRS.
- GCOMM 248 MODELING AND ANIMATION WITH AUTODESK MAYA 3 CR. HRS.
- GRDSN 140 GRAPHIC DESIGN I 3 CR. HRS.
- MCOMM 217 AUDIO PRODUCTION 3 CR. HRS.
- MM 130 MULTIMEDIA SOFTWARE TOPICS*** 1-4 CR. HRS.
- MM 140 MULTIMEDIA PRODUCTION I 3 CR. HRS.
- MM 142 DIGITAL PHOTOGRAPHY 3 CR. HRS.
- MM 150 MULTIMEDIA THEORY 3 CR. HRS.
- MM 230 DIGITAL VIDEO PRODUCTION 3 CR. HRS.
- MM 231 VIDEO SPECIAL EFFECTS 3 CR. HRS.
- MM 241 MULTIMEDIA AUTHORING 5 CR. HRS.

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

* See specific requirements for Associate in Applied Science Degree.
** MM 255 Independent Study is offered as an additional elective course.
*** Must complete 4 credit hours of MM 130.

Recommended Course Sequence:
1st Semester: MM 130; MM 140; GRDSN 140; GCOMM 245; ART 151
2nd Semester: MM 142; MM 150; GCOMM 248; MCOMM 217; COMM 110
3rd Semester: MM 230; MM 231; Laboratory Science; ENGL 110
4th Semester: MM 241; Approved Elective; GCOMM 247; Mathematics; Social Science

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 30 to 33

Program Information: The multimedia certificate is designed for individuals who are interested in quickly acquiring entry-level multimedia related skills. This twelve-month program targets people who already have a college degree and wish to change fields, displaced workers who need retraining in a new discipline, and individuals whose educational goals do not include a college degree. Individuals completing the multimedia certificate will learn technical and creative skills for designing, authoring, and producing multimedia projects and presentations. Students completing this certificate will develop a creative portfolio, as is expected by employers.

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

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

Multimedia

PROGRAM COURSES:
- GRDSN 140 GRAPHIC DESIGN I 3 CR. HRS.
- MM 130 MULTIMEDIA SOFTWARE TOPICS 1-4 CR. HRS.
- MM 140 MULTIMEDIA PRODUCTION I 3 CR. HRS.
- MM 142 DIGITAL PHOTOGRAPHY 3 CR. HRS.
- MM 150 MULTIMEDIA THEORY 3 CR. HRS.
- MM 230 DIGITAL VIDEO PRODUCTION 3 CR. HRS.
- MM 231 VIDEO SPECIAL EFFECTS 3 CR. HRS.
- MM 241 MULTIMEDIA AUTHORING 5 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVES 6 CR. HRS.

Recommended Course Sequence:
Previous Semester (for preprogram courses): GRDSN 140; MM 140
1st Semester: MM 130; MM 230; MM 231; MM 142
2nd Semester: MM 150; MM 241; Approved Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 65 to 66

Program Information: The mission of the Associate in Applied Science Network Administrator program of study is to prepare students for employment as network administrators, through training to install, configure, maintain, and troubleshoot network operating systems as well as how to install, configure, maintain, and troubleshoot network connectivity devices, in Windows and Unix operating systems, as well as Cisco switches and routers.

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

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Network Administrator

GENERAL COURSES:
- ENGLISH* 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 7 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- CMCIS 151 NETWORK FUNDAMENTALS 4 CR. HRS.
- CMCIS 152 ROUTING AND SWITCHING ESSENTIALS 4 CR. HRS.
- CMCIS 153 SCALING NETWORKS 4 CR. HRS.
- CMCIS 154 WAN COMMUNICATION 4 CR. HRS.
- CMCIS 156 CCNA VOICE or CMCIS 157 CCNA WIRELESS or CMCIS 158 CCNA SECURITY 3 CR. HRS.
- CMNET 140 WINDOWS ADMINISTRATION 3 CR. HRS.
- CMNET 150 COMPUTER HARDWARE INFRASTRUCTURE 3 CR. HRS.
- CMNET 165 HELP DESK CONCEPTS 3 CR. HRS.
- CMNET 210 WINDOWS SERVER ADMINISTRATION 3 CR. HRS.
- CMNET 220 NETWORK INFRASTRUCTURE ADMINISTRATION 3 CR. HRS.
- CMNET 230 DIRECTORY SERVICE ADMINISTRATION 3 CR. HRS.
- CMNET 250 ADVANCED SECURITY TOPICS 3-4 CR. HRS.
- CMNET 270 MESSAGING INFRASTRUCTURE ADMINISTRATION 3 CR. HRS.

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

* See specific requirements for Associate in Applied Science degree.
** Approved Electives: Any CMNET, CMCIS, CMWEB, or CMPSC 115 or higher; or others with department approval

Recommended Course Sequence:
1st Semester: CMCIS 151; CMNET 140; CMNET 150; CMNET 165; English;
2nd Semester: CMCIS 152; CMNET 210; Social Science; Laboratory Science/Mathematics
Summer Semester 1: Communication
3rd Semester: CMCIS 153; CMNET 220; CMNET 230; Social Science; Humanities
4th Semester: CMCIS 154; CMNET 250; CMNET 270; CMCIS 156 or CMCIS 157 or CMCIS 158; Approved Elective

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 28-29

Program Information: The mission of the Networking certificate is to offer students a working knowledge of the principles, techniques, and skills required to set up and maintain a networking environment, so that individuals following this sequence of courses are prepared for employment or enhancement of their skills as a network technician or network administrator.

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

Admission To the Program: Students are expected to be proficient in the use of the Windows operating system. Proficiency may be developed by completing CMGEN 110 with a grade of "C" or better.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 206
(309) 694-5558

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

Networking

Program Courses:

- CMCIS 151  NETWORK FUNDAMENTALS  4 CR. HRS.
- CMNET 140  WINDOWS ADMINISTRATION  3 CR. HRS.
- CMNET 150  COMPUTER HARDWARE INFRASTRUCTURE  3 CR. HRS.
- CMNET 165  HELP DESK CONCEPTS  3 CR. HRS.
- CMNET 210  WINDOWS SERVER ADMINISTRATION  3 CR. HRS.
- CMNET 220  NETWORK INFRASTRUCTURE ADMINISTRATION  3 CR. HRS.
- CMNET 230  DIRECTORY SERVICE ADMINISTRATION  3 CR. HRS.
- CMNET 250  ADVANCED SECURITY TOPICS  3-4 CR. HRS.
- CMNET 280  FIREWALL ADMINISTRATION  3 CR. HRS.

Recommended Course Sequence:
1st Semester: CMCIS 151; CMNET 140; CMNET 150; CMNET 165; CMNET 210
2nd Semester: CMNET 220; CMNET 230; CMNET 250; CMNET 280
Certificate

Total Credit Hours: 6

Program Information: The mission of the Nursing Assistant Certificate program is to provide the resources, curriculum, and clinical experiences to enable program completers to gain knowledge, skills, and behaviors to attain entry-level employment as nursing assistants in long-term care facilities, hospitals, and other health care settings.

Additional Program Info: This program is comprised of classroom, laboratory, and clinical learning experiences. Courses are offered at Illinois Central College campuses and other off-site locations. Students will learn to apply theoretical knowledge, and basic nursing skills to observe and report client/resident signs and symptoms. The Nursing Assistant, under the direction and supervision of a Registered Nurse or LPN, functions as a member of the health care team in the nursing home, hospital, or home health setting.

Accreditation: The Basic Nurse Assistant Training Program is approved by the Illinois Department of Public Health. Completers are eligible to take the Nurse Aide Competency Evaluation Program (NACEP) and become certified by the state of Illinois.

Admission To the Program: COMPASS reading score of 62 or higher OR completion of appropriate ENGL prerequisites with a grade of "C" or better.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

Nursing Assistant

PROGRAM COURSES:
- [ ] HLTH 112   NURSING ASSISTANT TRAINING   5 CR. HRS.
- [ ] HLTH 116   NURSE ASSISTANT: ALZHEIMER'S DISEASE   1 CR. HR.

Recommended Course Sequence:
1st Semester: HLTH 112; HLTH 116
Occupational Therapy Assistant

GENERAL COURSES:
- ENGL 110 COMPOSITION I *** 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE *** 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY *** 3 CR. HRS.
- BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY ***** 4 CR. HRS.
  or BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I *****
  and BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II *****
- HUMANITIES **** 3 CR. HRS.

PROGRAM COURSES:
- HEOCC 200 DISEASE PROCESSES IN MAN *** 3 CR. HRS.
- HEOCC 230 HEALTH CARE ORGANIZATION AND RESOURCES 1 CR. HR.
- HEOCC 220 LEGAL ISSUES IN HEALTH CARE 1 CR. HR.
- CHILD 120 HUMAN GROWTH AND DEVELOPMENT ***
  or PSY 202 CHILD AND ADOLESCENT DEVELOPMENT *** 3 CR. HRS.
- PSY 220 ADULTHOOD AND AGING *** 3 CR. HRS.
- OTA 110 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT I
- OTA 111 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT II
- OTA 112 PSYCHOSOCIAL DYSFUNCTION FOR THE OCCUPATIONAL THERAPY ASSISTANT II
- OTA 114 THERAPEUTIC MEDIA 4 CR. HRS.
- OTA 118 FUNCTIONAL ANATOMY FOR THE OCCUPATIONAL THERAPY ASSISTANT
- OTA 210 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT III
- OTA 211 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT IV
- OTA 212 OCCUPATIONAL THERAPY ASSISTANT PRACTICE I 4 CR. HRS.
- OTA 213 OCCUPATIONAL THERAPY ASSISTANT PRACTICE II 6 CR. HRS.
- OTA 220 MANAGEMENT AND PROGRAM DEVELOPMENT 2 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.
** BIOL 140 within 5 years of admission into the program with a grade of “C” or better.
*** Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:
1st Semester: BIOL 140; PSY 110; CHILD 120 or PSY 202; OTA 110; OTA 114
2nd Semester: PSY 220; HEOCC 200; OTA 111; OTA 112; OTA 118
Summer Semester 1: COMM 110; Mathematics/Laboratory Science
3rd Semester: ENGL 110; HEOCC 220; HEOCC 230; OTA 210; OTA 212;
4th Semester: OTA 211; OTA 213; OTA 220; Humanities

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 42

Program Information: The mission of the Office and Information Processing Management certificate is 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.

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

Admission To the Program: 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 121 are prerequisites for entering this program.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Office and Information Processing Management

Program Courses:
- ACCTG 120  FINANCIAL ACCOUNTING  4 CR. HRS.
- ACCTG 121  MANAGERIAL ACCOUNTING  4 CR. HRS.
- BUS 120  BUSINESS MATHEMATICS  3 CR. HRS.
- BUS 200  HUMAN RELATIONS IN BUSINESS  3 CR. HRS.
- BUS 215  LEGAL ENVIRONMENT OF BUSINESS  3 CR. HRS.
- ENGL 110  COMPOSITION I  3 CR. HRS.
- or
- ENGL 125  BUSINESS COMMUNICATIONS  3 CR. HRS.
- MGMT 113  PRINCIPLES OF MANAGEMENT  3 CR. HRS.
- MGMT 205  PERSONNEL MANAGEMENT  3 CR. HRS.
- MGMT 214  MANAGING TECHNOLOGY IN THE OFFICE  3 CR. HRS.
- MGMT 215  OFFICE MANAGEMENT  3 CR. HRS.
- OFACS 132  ELECTRONIC SPREADSHEETS  3 CR. HRS.
- OFACS 133  DATABASE MANAGEMENT SYSTEMS  3 CR. HRS.
- OFOCC 111  TELEPHONE SKILLS FOR THE OFFICE  1 CR. HR.
- OFOCC 210  ADMINISTRATIVE OFFICE PROCEDURES  3 CR. HRS.

Recommended Course Sequence:
1st Semester: OFOCC 111; OFACS 132; ENGL 110 or ENGL 125; BUS 120; MGMT 113
2nd Semester: ACCTG 120; OFACS 132; MGMT 215; MGMT 205
3rd Semester: ACCTG 121; OFOCC 210; MGMT 214; BUS 200; BUS 215

For the most up-to-date program requirements, go online to the College catalog: 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

**GENERAL COURSES:**
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- BUS 120 BUSINESS MATHEMATICS 3 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

**PROGRAM COURSES:**
- ACCTG 105 BOOKKEEPING/ACCOUNTING I 3 CR. HRS.
- OFACS 125 POWERPOINT 1 CR. HR.
- OFACS 126 OUTLOOK 1 CR. HR.
- OFACS 132 ELECTRONIC SPREADSHEETS 3 CR. HRS.
- OFACS 133 DATABASE MANAGEMENT SYSTEMS 3 CR. HRS.
- OFACS 211 INTEGRATED OFFICE PROJECTS 3 CR. HRS.
- OFOCC 111 TELEPHONE SKILLS FOR THE OFFICE 1 CR. HR.
- OFOCC 114 FUNDAMENTALS OF TRANSCRIPTION 3 CR. HRS.
- OFOCC 151 PROFESSIONAL DEVELOPMENT FOR OFFICE EMPLOYEES 3 CR. HRS.
- OFOCC 200 MACHINE TRANSCRIPTION AND SPECIALIZED TERMINOLOGY 2 CR. HRS.
- OFOCC 205 FUNDAMENTALS OF RECORDS CONTROL 3 CR. HRS.
- OFOCC 210 ADMINISTRATIVE OFFICE PROCEDURES 3 CR. HRS.
- TYPE 142 TYPING SPEED DEVELOPMENT TO 60 NWPM** 1 CR. HR.
- WP 122 KEYBOARD/WORD PROCESSING III 4 CR. HRS.
- WP 161 DATA ENTRY 1 CR. HR.

**ELECTIVE COURSES:**
- APPROVED ELECTIVES*** 6 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.
** Enroll in TYPE 130 to earn credit in one of the following courses: TYPE 140, 141, 142, 143, 144, or 145.
*** Approved Electives: ACCTG 120; BUS 121, 215; OFOCC 250; MGMT 113, 214, 215; TYPE 143, 144, 145; WP 186

Recommended Course Sequence:
1st Semester: BUS 120; ENGL 110; OFOCC 151; OFACS 125; OFACS 126; OFOCC 111; Humanities
2nd Semester: OFOCC 114; OFOCC 205; WP 122; OFACS 132; Social Science
3rd Semester: ACCTG 105; OFOCC 200; OFOCC 210; OFACS 133; WP 161; Approved Elective
4th Semester: OFACS 211; TYPE 142; COMM 110; Laboratory Science/Mathematics; Approved Elective
Certificate

Total Credit Hours: 9

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

Additional Program Info: The Page Layout certificate is one of four certificates that can be earned while working towards the Digital Publishing Certificate or Graphic Communications Associate in Applied Science degree.

Contact Information:
Graphic Communications
Program Coordinator
East Peoria Campus
AIT Building
Room 209
(309) 694-5510

Page Layout

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

Recommended Course Sequence:
1st Semester: GCOMM 112; GCOMM 130; GCOMM 230

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 62

Program Information: The mission of the Associate in Applied Science Paralegal degree is to produce competent, well-rounded individuals who are able to work under the supervision of an attorney in the many areas of the practice of law, specifically, the student will be prepared to perform such tasks as legal research, client interviews, investigations, preparation of legal documents, and other legal work as delegated by an attorney. Paralegals are employed by private law firms, corporations, governmental agencies, insurance companies, title companies, and financial institutions.

Additional Program Info: Students enrolled in the Associate in Applied Science degree program must meet with the Program Coordinator to plan a specific course schedule meeting Illinois Central College and personal requirements. 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.

Accreditation: This program has been approved by the American Bar Association.

To Remain in and Graduate From the Program:
Students must attain a grade of "C" or higher in each PRLGL course (including equated transfer courses) to remain in and graduate from the program. PRLGL 113, 116, and 260 must be taken at ICC to graduate from the program. Students must take at least ten credit hours or the equivalent of legal specialty courses through traditional format. All prerequisites to PRLGL courses must be satisfied with a grade of "C" or better. Students should submit an "Application for Degree/Certificate" after completing 45 hours of the program. This form is available in Enrollment Services, L211.

Contact Information:
Social Sciences and Public Services Department
Poplar Hall
Room 117
(309) 690-7691

Paralegal

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- POLSC 115, 119 or PSY 110 are recommended
- SOCIAL SCIENCE* 3 CR. HRS.
- LABORATORY SCIENCE*** 4 CR. HRS.
- BUS 120 BUSINESS MATHEMATICS 3 CR. HRS.
or
- MATHEMATICS**** 3 CR. HRS.
- HUMANITIES** 3 CR. HRS.

PROGRAM COURSES:
- CMGEN 120 or CMPSC 120 COMPUTER APPLICATIONS 3 CR. HRS.
- CRJ 225 BUSINESS COMPUTER SYSTEMS 3 CR. HRS.
- CRJ 230 CRIMINAL LAW 3 CR. HRS.
- CRJ 225 or CRJ 226 COURT PROCEDURES AND EVIDENCE 3 CR. HRS.
- PRLGL 110 INTRODUCTION TO PARALEGAL 3 CR. HRS.
- PRLGL 112 LEGAL RESEARCH I 3 CR. HRS.
- PRLGL 113 LEGAL RESEARCH II 3 CR. HRS.
- PRLGL 114 FAMILY LAW 3 CR. HRS.
- PRLGL 115 WILLS, TRUSTS AND ESTATE ADMINISTRATION 3 CR. HRS.
- PRLGL 116 CIVIL LITIGATION 3 CR. HRS.
- PRLGL 117 ADMINISTRATIVE LAW 3 CR. HRS.
- PRLGL 118 LAW OFFICE MANAGEMENT 3 CR. HRS.
- PRLGL 159 PARALEGAL PREINTERNSHIP 1 CR. HR.
- PRLGL 215 BUSINESS ORGANIZATION AND PRACTICE 3 CR. HRS.
- PRLGL 260 PARALEGAL INTERNSHIP 3 CR. HRS.

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

* POLSC 115, 119 or PSY 110 are recommended
** PHIL 111 or COMM 110 are recommended
*** BIOL 111 or 140 are recommended
***** MATH 110 or above

***** Liberal Arts courses as well as law related courses are recommended.

Recommended Course Sequence:
1st Semester: ENGL 110; CMGEN 120 or CMPSC 120; BUS 120 or Mathematics; Social Science
2nd Semester: ENGL 111; PRLGL 110; PRLGL 112; Social Science; Humanities
Summer Semester 1: Laboratory Science
3rd Semester: PRLGL 113; PRLGL 116; PRLGL 117; PRLGL 215; CRJ 225 or CRJ 226; PRLGL 159
4th Semester: CRJ 230; PRLGL 115; PRLGL 260; PRLGL 114; PRLGL 118

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 37

Program Information: The mission of the Paralegal certificate is to produce competent, well-rounded individuals who are able to work under the supervision of an attorney in the many areas of the practice of law, specifically, the student will be prepared to perform such tasks as legal research, client interviews, investigations, preparation of legal documents, and other legal work as delegated by an attorney. Paralegals are employed by private law firms, corporations, governmental agencies, insurance companies, title companies, and financial institutions.

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

Accreditation: This program is approved by the American Bar Association.

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. Student must submit an application for admission to Illinois Central College and must submit an official transcript to Enrollment Services, L211. Student must take at least 10 credit hours or the equivalent of legal specialty course through traditional format. PRLGL 113, 116, and 260 must be taken at ICC to graduate from the program. Students must attain a grade of “C” or higher in each course (included equated transfer courses). All prerequisites to PRLGL courses must be satisfied with a grade “C” or better.

To Remain in and Graduate From the Program: Students should submit an “Application for Degree/Certificate” during the next to last semester of study. This form is available in Enrollment Services, L211.

Contact Information:
Social Sciences and Public Services Department
North Campus
Poplar Hall
Room 117
(309) 690-7691

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Paralegal

PROGRAM COURSES:
- PRLGL 110 INTRODUCTION TO PARALEGAL 3 CR. HRS.
- PRLGL 112 LEGAL RESEARCH I 3 CR. HRS.
- PRLGL 113 LEGAL RESEARCH II 3 CR. HRS.
- PRLGL 114 FAMILY LAW 3 CR. HRS.
- PRLGL 115 WILLS, TRUSTS AND ESTATE ADMINISTRATION 3 CR. HRS.
- PRLGL 116 CIVIL LITIGATION 3 CR. HRS.
- PRLGL 117 ADMINISTRATIVE LAW 3 CR. HRS.
- PRLGL 118 LAW OFFICE MANAGEMENT 3 CR. HRS.
- PRLGL 159 PARALEGAL PREINTERNSHIP 1 CR. HRS.
- PRLGL 215 BUSINESS ORGANIZATION AND PRACTICE 3 CR. HRS.
- PRLGL 260 PARALEGAL INTERNSHIP 3 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVES* 6 CR. HRS.

*Approved Electives: PRLGL 120, 121, 141; BUS 115, 116, 215; CRJ 111, 225, 227, 230; CMPSC 120 or CMGEN 120

Recommended Course Sequence:
1st Semester: PRLGL 110; PRLGL 112; PRLGL 116; PRLGL 117; PRLGL 215; PRLGL 159
2nd Semester: PRLGL 113; PRLGL 114; PRLGL 115; PRLGL 215; PRLGL 260; Approved Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 66-68

Program Information: The mission of the Associate in Applied Science Paramedic degree program is to provide comprehensive theoretical knowledge, practice simulations, and skills training to prepare graduates for employment as a Paramedic within the healthcare community.

Additional Program Info: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Student is eligible for licensure as an EMT after successful completion of EMS 114.

Accreditation: The Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services (coaemsp.org), Commission on Accreditation of Allied Health Education Programs, 1361 Park Street Clearwater, FL, 33756; (727) 210-2350; caahep.org.

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of "C" or better. ACT composite score of 20 or above OR have completed 18 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of "C" or better. ICC grade point average (GPA) of 2.0 or above (if you have attended ICC). GPA of 2.0 or above at the last college attended (other than ICC) OR completion of 18 credit hours of program courses at ICC or other colleges with a grade of "C" or better. One year high school algebra with a grade of "C" average or higher OR completion of MAT 094 or MAT 097 or MAT 099 with a grade of "C" or better OR placement into MAT 098 or higher.

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

To Remain in and Graduate From the Program: Student must maintain a grade of "C" or better in BIOl 205, BIOl 206, and all EMS prefix courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

Paramedic

GENERAL COURSES:
- HUMANITIES* 3 CR. hrs.
- PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I 4 CR. hrs.
- PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II 4 CR. hrs.
- COMMUNICATION: PROCESS AND PRACTICE 3 CR. hrs.
- COMPOSITION I 3 CR. hrs.
- INTRODUCTION TO PSYCHOLOGY 3 CR. hrs.

PROGRAM COURSES:
- EMERGENCY MEDICAL TECHNICIAN (EMT) 8 CR. hrs.
- TRAUMA LIFE SUPPORT 1 CR. HR.
- ADVANCED CARDIAC LIFE SUPPORT (ACLS) 1 CR. HR.
- PEDIATRIC EDUCATION FOR PREHOSPITAL PROVIDERS (PEPP) 1 CR. HR.
- EMT PRACTICUM 1-3 CR. HRS.
- PARAMEDIC I 7 CR. HRS.
- PARAMEDIC II 7 CR. HRS.
- PARAMEDIC III 7.5 CR. HRS.
- PARAMEDIC IV 6.5 CR. HRS.
- PARAMEDIC PRACTICUM I 3 CR. HRS.
- PARAMEDIC PRACTICUM II 3 CR. HRS.

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

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: EMS 114; BIOl 205
2nd Semester: EMS 120; EMS 116; EMS 118; EMS 230; BIOl 206
Summer Semester 1: EMS 231
3rd Semester: EMS 232; COMM 110; ENGL 110
4th Semester: EMS 233; EMS 117; PSY 110; Humanities Elective
Summer Semester 2: EMS 240, EMS 241

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 61 to 64

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

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

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

Contact Information:
Physical Education Coordinator
East Peoria Campus
CougarPlex
(309) 694-5502

Personal/Fitness Trainer

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- or COMM 120 INTERPERSONAL COMMUNICATION 3 CR. HRS.
- MATH 110 SOCIAL SCIENCE* 3 CR. HRS.
- CHEM 115 FOUNDATIONS OF CHEMISTRY 4 CR. HRS.
- or HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY 4 CR. HRS.
- FCS 120 PRINCIPLES OF NUTRITION 3 CR. HRS.
- HLTH 120 FIRST AID 2 CR. HRS.
- HLTH 150 FOUNDATIONS OF HEALTH 3 CR. HRS.
- PHYE D 116 INTRODUCTION TO RECREATION 3 CR. HRS.
- or PHYE D 236 SCIENTIFIC BASIS OF HUMAN MOVEMENT 3 CR. HRS.
- PHYE D 136 FOUNDATIONS OF HUMAN MOVEMENT 3 CR. HRS.
- PHYE D 175 PRINCIPLES OF TRAINING 3 CR. HRS.
- PHYE D 176 EXERCISE TESTING, PRESCRIPTION, AND DESIGN 3 CR. HRS.
- PHYE D 205 FITNESS AND WELLNESS 2 CR. HRS.
- PHYE D 276 PERSONAL TRAINING FIELD EXPERIENCE 3 CR. HRS.
- PHYE D 277 PHYSICAL EDUCATION TOPICS 1-3 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVES** 13 CR. HRS.

* See specific requirements for the Associate in Applied Science Degree.
** ACCTG 105, PHYE D 116, 140, 145, 149, 162, 168, 169, 180, 181, 182, 183, 236

Recommended Course Sequence:
1st Semester: ENGL 110; MATH 110; PHYE D 136; FCS 120; PHYE D 205;
2nd Semester: HLTH 150; PHYE D 175; BIOL 140; COMM 110 or 120;
3rd Semester: HLTH 120; CHEM 115; PHYE D 116 or PHYE D 236
4th Semester: Approved Electives; PHYE D 276; PHYE D 277

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 30 to 32

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. Upon successful completion of this program, students will be qualified to pursue the accreditation of their choice.

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

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

Contact Information:
Physical Education Coordinator
East Peoria Campus
CougarPlex
(309) 694-5502

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Personal/Fitness Trainer

PROGRAM COURSES:

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

Recommended Course Sequence:
1st Semester: BIOL 140; HLTH 120; PHYED 136; FCS 110; PHYED 175
2nd Semester: PHYED 236; HLTH 150; BUS 110; PHYED 176
Summer Semester 1: PHYED 276; PHYED 277

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 9 to 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. The program consists of lecture, offered in a hybrid online delivery format, student laboratories, and a clinical phlebotomy practicum arranged in a local hospital. Successful completion of the program will allow the graduate to seek employment as a phlebotomist and be eligible to take an appropriate phlebotomy certification examination.

Additional Program Info: Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Suggested additional courses: HLTH 121, COMM 110, PSY 110, and CMGEN 120. BIOL 106 or MLT 110 may be taken in the summer.

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 72 or higher OR completion of appropriate ENGL prerequisites with a grade of “C” or better. One year high school biology with a “C” average or higher OR completion of an equivalent college biology course with a grade of “C” or better.

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

To Remain in and Graduate From the Program: Maintain a grade of “C” or better in all MLT and BIOL courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600 or (309) 999-4601

Phlebotomist

PROGRAM COURSES:
- BIOL 106 HUMAN BIOLOGY
  or BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY 4 CR. HRS.
- MLT 112 PHLEBOTOMY CLINICAL PRACTICUM 2 CR. HRS.
- HEOCC 114 INTRODUCTION TO INTERDISCIPLINARY HEALTH CARE MEDICAL ASSISTANT ADMINISTRATIVE SKILLS** 4 CR. HRS.
- MLT 110 INTRODUCTION TO THE MEDICAL LABORATORY AND PHLEBOTOMY 2 CR. HRS

** Available for Medical Assistant program students only

Recommended Course Sequence:
1st Semester: BIOL 106 or BIOL 140 or higher; HEOCC 114; MLT 110; MLT 112
Certificate

Total Credit Hours: 19

Program Information: The mission of the Photovoltaic Installer certificate program is to use lecture and hands-on laboratory experience to prepare students for employment in the Solar Photovoltaic (PV) field by educating them in the knowledge, skills, and behaviors as an entry-level solar PV installer.

Additional Program Info: Individual will be required to earn a certificate of completion for the OSHA Construction Safety Curriculum (OSHA 10 hour).

Admission To the Program: A completion of MAT 094 or higher, with a grade of "C" or better or equivalent placement score.

Contact Information:
Agriculture and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5526

Photovoltaic Installer

PROGRAM COURSES:

- EERE 151 BASIC PHOTOVOLTAIC SYSTEMS 1 CR. HR.
- EERE 153 PRINCIPLES OF RESIDENTIAL PHOTOVOLTAIC SITE ASSESSMENT 1 CR. HR.
- EERE 155 INTERMEDIATE PHOTOVOLTAIC (PV) SYSTEMS 2 CR. HRS.
- EERE 161 PHOTOVOLTAIC (PV) SYSTEM INSTALLATION 4 CR. HRS.
- EERE 163 PHOTOVOLTAIC (PV) SYSTEM DESIGN 1 CR. HR.
- EERE 165 PHOTOVOLTAIC (PV) SYSTEMS AND THE NATIONAL ELECTRICAL CODE (NEC) 1 CR. HR.
- EERE 167 PRINCIPLES OF BATTERYBASED PHOTOVOLTAIC (PV) SYSTEMS 1 CR. HR.
- ELCTK 111 RESIDENTIAL AND COMMERCIAL WIRING 2 CR. HRS.
- ELCTS 131 INTRODUCTION TO BASIC ELECTRICITY 2 CR. HRS.
- ELCTS 132 SERVICE ELECTRONICS D.C. CIRCUITS 2 CR. HRS.
- ELCTS 133 SERVICE ELECTRONICS A.C. CIRCUITS 2 CR. HRS.

Recommended Course Sequence:

Previous Semester (for preprogram courses): MAT 094
1st Semester: ELCTS 131; ELCTS 132; ELCTS 133; ELCTK 111; EERE 151; EERE 155
2nd Semester: EERE 153; EERE 161; EERE 163; EERE 165; EERE 167

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 66

Program Information: The mission of the Physical Therapist Assistant program is to provide the knowledge and skills and develop attitudes which prepare graduates to function as entry-level physical therapist assistants who will work under the direction and supervision of the physical therapist to meet the needs of the community in a variety of clinical settings.

Accreditation: This program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) 1111 North Fairfax Street, Alexandria, Virginia 22314; (703) 7063245; email: accreditation@apta.org; website: capteonline.org

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of "C" or better. ACT composite score of 20 or above OR have completed 18 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of "C" or better. ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC). GPA of 2.0 or above at the last college attended (other than ICC) OR completion of 18 credit hours of 'program' courses at ICC or other colleges with a grade of "C" or better. One year of high school science with a grade of "C" or better OR completion of an equivalent college science course with a grade of "C" or better. Science courses must be chemistry, human biology, or physics. One year of high school math with a grade of "C" or better OR completion of an equivalent college math course with a grade of "C" or better. 20 hours of documented observation in two different Physical Therapy departments. High School Recommendations: 3 years English, 1 year Biology, 1 year Chemistry, 2 years Mathematics

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

To Remain in and Graduate From the Program: Maintain a "C" or better in all required general education and program courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

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

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**Physical Therapist Assistant**

**GENERAL COURSES:**

- ENGL 110 COMPOSITION I **** 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE **** 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY **** 3 CR. HRS.
- MATH 140 MATHEMATICS * 3 CR. HRS.
- BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY ** 4 CR. HRS.
- HUMANITIES * 3 CR. HRS.

**PROGRAM COURSES:**

- PHTA 222 CLINICAL SEMINAR 2 CR. HRS.
- PHTA 220 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT VI 4 CR. HRS.
- PHTA 218 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT V 5 CR. HRS.
- PHTA 216 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT IV 3 CR. HRS.
- PHTA 130 CLINICAL I 1 CR. HR.
- PHTA 118 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT III 5 CR. HRS.
- PHTA 116 FUNCTIONAL ANATOMY 4 CR. HRS.
- PHTA 115 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT II 4 CR. HRS.
- PHTA 114 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT I 2 CR. HRS.
- PHTA 112 INTRODUCTION TO PHYSICAL THERAPY 1 CR. HR.
- HEOCC 230 HEALTH CARE ORGANIZATION AND RESOURCES 1 CR. HR.
- HEOCC 220 LEGAL ISSUES IN HEALTH CARE 1 CR. HR.
- HEOCC 200 DISEASE PROCESSES IN MAN **** 3 CR. HRS.
- HLTH 121 MEDICAL TERMINOLOGY *** 2 CR. HRS.
- PHTA 230 CLINICAL II 2 CR. HRS.
- PHTA 232 CLINICAL III 4 CR. HRS.
- PSY 202 CHILD AND ADOLESCENT DEVELOPMENT **** 3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

** BIOL 140 or 205/206 within 5 years of admission into program with a grade of "C" or better.

*** Must be completed by the end of the first fall semester.

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

Recommended Course Sequence:

Previous Semester (for pre-program courses): PHTA 114; BIOL 140
1st Semester: ENGL 110; PSY 110; HLTH 121; PHTA 112; PHTA 115; PHTA 116
2nd Semester: HEOCC 200; PHTA 216; PHTA 118; PHTA 130; Mathematics
3rd Semester: PSY 202; COMM 110; HEOCC 220; HEOCC 230; PHTA 218; PHTA 230
4th Semester: PHTA 220; PHTA 222; PHTA 232; Humanities
Certificate

Total Credit Hours: 14

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

Additional Program Info: The Printing certificate is one of four certificates that can be earned while working towards the Digital Publishing certificate or Graphic Communications Associate in Applied Science degree.

Contact Information:
Graphic Communications
Program Coordinator
East Peoria Campus
AIT Building
Room 209
(309) 694-5510

Printing

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

Recommended Course Sequence:
1st Semester: GCOMM 110; GCOMM 140; GCOMM 150; GCOMM 225

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 7 to 11

Program Information: The mission of the Production Welder certificate program is to prepare students with the knowledge and skills pertaining to gas metal arc welding processes for employment as an entry-level welder.

Additional Program Info: This certificate program of study provides minimum coursework and laboratory practice for individuals gaining MIG (GMAW) welding skills required by local employers for entry-level production welding skills. Students focus on the theory and practice associated with production welding in a manufacturing setting. Student will be required to provide their own personal safety equipment and welding hood.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 203
(309) 694-5510

Production Welder

PROGRAM COURSES:

- WLDTR 111 WELDING BLUEPRINT READING 3 CR. HRS.
- WLDTR 150 WELD CERTIFICATION PREPARATION AND TESTING 1-5 CR. HRS.
- WLDTR 212 WELDING THEORY II 1 CR. HR.
- WLDTR 225 SEMI-AUTOMATIC ARC WELDING 1 CR. HR.
- WLDTR 227 ADVANCED INDUSTRIAL SEMIAUTOMATIC ARC WELDING (GMAW) 1 CR. HR.

Recommended Course Sequence:
1st Semester: WLDTR 111; WLDTR 212; WLDTR 225; WLDTR 227; WLDTR 150

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 71

Program Information: The mission of the Radiographer Program is to prepare competent entry-level radiographers to function within the healthcare community.

Additional Program Info: A registered radiographer who has previously graduated from a JRCERT accredited hospital-based radiography program may complete an Associate in Applied Science degree. Admission requirements include: (1) certification by and current registration with the American Registry of Radiologic Technologists (ARRT); (2) graduation from JRCERT accredited hospital-based radiography program; (3) eligibility for college admission. To receive the degree, the student must complete twenty-nine (29) credit hours of courses.

Courses listed below are in addition to those underlined. A maximum of forty-four (44) credit hours will be awarded for approved radiography courses. HECCC 200 Disease Processes in Man 3; HECCC 220 Legal Issues in Health Care 1; HLTH 121 Medical Terminology or HLTH 120 First Aid 2; HECCC 230 Health Care Organization and Resources 1.

Accreditation: The Radiography Program is accredited by the Joint Review Committee on Education in Radiologic Technology (http://jrcert.org) 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182, phone (312) 704-5300.

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of "C" or better. ACT composite score of 20 or above OR have completed 18 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of "C" or better. ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC). GPA of 2.0 or above at the last college attended (other than ICC) OR completion of 18 credit hours of "program" courses at ICC or other colleges with a grade of "C" or better. One year high school lab science including chemistry, biology, or physics with a "C" average or higher OR completion of an equivalent college science course with a grade of "C" or better. MAT 098 with a grade of "C" or better or a MATH placement score into MATH 115. Four hours of documented observation in an approved Radiology department. Must be at least 18 years of age by November 1 of the year entering the program.

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

To Remain in and Graduate From the Program: Maintain a grade of "C" or better in MATH 115, BIOL 140 and all RADTK courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

Radiographer

GENERAL COURSES:

- ENGL 110 COMPOSITION I * 3 CR. HRS.
- ENGL 111 COMPOSITION II * 3 CR. HRS.
- or COMM 110 COMMUNICATION: PROCESS AND PRACTICE * 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY * 3 CR. HRS.
- MATH 115 COLLEGE ALGEBRA * 4 CR. HRS.
- BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY * 4 CR. HRS.
- HUMANITIES ** 3 CR. HRS.

PROGRAM COURSES:

- HLTH 121 MEDICAL TERMINOLOGY * 2 CR. HRS.
- RADTK 110 FUNDAMENTALS OF RADIOGRAPHY I 6 CR. HRS.
- RADTK 112 FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE ORIENTATION 1 CR. HR.
- RADTK 120 FUNDAMENTALS OF RADIOGRAPHY II 6 CR. HRS.
- RADTK 121 FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE I 3 CR. HRS.
- RADTK 200 RADIOGRAPHY I 3 CR. HRS.
- RADTK 201 FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE II 2 CR. HRS.
- RADTK 210 RADIOGRAPHY II 6 CR. HRS.
- RADTK 211 RADIOGRAPHY, DIRECTED PRACTICE III 3 CR. HRS.
- RADTK 220 RADIOGRAPHY III 3 CR. HRS.
- RADTK 221 RADIOGRAPHY, DIRECTED PRACTICE IV 3 CR. HRS.
- RADTK 230 RADIOGRAPHY IV 2 CR. HRS.
- RADTK 231 RADIOGRAPHY, DIRECTED PRACTICE V 2 CR. HRS.
- RADTK 260 SECTIONAL ANATOMY FOR DIAGNOSTIC IMAGING 3 CR. HRS.
- RADTK 270 PATHOLOGY AND PHARMACOLOGY FOR THE IMAGING PROFESSIONAL 3 CR. HRS.
- RADTK 280 COMPUTED TOMOGRAPHY PRINCIPLES, INSTRUMENTATION AND IMAGING PROCEDURES 3 CR. HRS.

* Underlined courses may be taken prior to admission into the program.
** PHIL 113 is recommended

Recommended Course Sequence:
1st Semester: BIOL 140; HLTH 121; MATH 115; RADTK 110; RADTK 112
2nd Semester: ENGL 110; PSY 110; RADTK 120; RADTK 121
Summer Semester 1: RADTK 200; RADTK 201
3rd Semester: RADTK 210; RADTK 211; ENGL 110 or COMM 110; RADTK 260
4th Semester: RADTK 220; RADTK 221; RADTK 270; RADTK 280
Summer Semester 2: RADTK 230; RADTK 231; Humanities

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 71

Program Information: The mission of the Associate in Applied Science Registered Nurse degree is to affectively provide educational resources within theory, laboratory, and clinical experiences to prepare graduates for a successful professional nursing career as a Registered Nurse.

Additional Program Info: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. RNRS 150 and RNRS 111 may be proficiency by a Licensed Practical Nurse (LPN). Licensed Practical Nurses (LPNs) may apply for advanced placement in the Nursing program. The Accreditation Commission for Education in Nursing (ACEN) is a resource for the requirements contained in this catalog. The commission may be contacted as follows: Accreditation Commission for Education in Nursing, 3343 Peachtree Road NE, Suite 850, Atlanta, GA, 30326. Phone: (404) 975-5000, Fax: (404) 975-5020. Transfer credit from other institutions: Transfer courses comparable to the courses listed under “General Courses” may be accepted toward meeting the requirements of the ICC Nursing Program. No transfer credit is accepted for programs listed under “General Courses”. To receive a “C” or better grade, the student must maintain a grade average of 75% or better.

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of “C” or better. ACT composite score of 20 or above OR have completed 18 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of “C” or better. ICC grade point average (GPA) of 2.5 or above (if you have attended ICC), GPA of 2.5 or above at the last college attended (other than ICC) OR have completed 18 credit hours of “program” courses at ICC or other colleges with a grade of “C” or better. One year high school chemistry within the last five years with a “C” average or higher completion of an equivalent college chemistry course within the last five years with a grade of “C” or better. One year high school algebra with a “C” average or higher completion of MAT 094 or MAT 097 or MAT 099 with a grade of “C” or better OR placement into MAT 098 or higher. Cumulative score of 0.80 or higher on Evolve HESI A2 examination.

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

Recommended High School Subjects: (1) four years of English (2) one year of biology (3) two years of mathematics (4) one year of chemistry.

To Remain in and Graduate From the Program: Maintain a grade of “C” or better in all required general education and program courses.

Contact Information: Health Careers Department Downtown Campus Thomas Building (309) 999-4600

Registered Nurse

GENERAL COURSES:

- ENGL 110 COMPOSITION I *** 3 CR. HRS.
- ENGL 111 COMPOSITION II *** 3 CR. HRS.
- or COMM 110 COMMUNICATION: PROCESS AND PRACTICE *** 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY *** 3 CR. HRS.
- RNRS 150 PRINCIPLES OF SAFE MEDICATION ADMINISTRATION 1 CR. HR.
- RNRS 210 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I *** 4 CR. HRS.
- RNRS 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II *** 4 CR. HRS.
- HUMANITIES * 3 CR. HRS.

PROGRAM COURSES:

- BIOL 210 MICROBIOLOGY ** 4 CR. HRS.
- FCS 110 BASIC NUTRITION *** 3 CR. HRS.
- or FCS 120 PRINCIPLES OF NUTRITION *** 3 CR. HRS.
- HLTH 121 MEDICAL TERMINOLOGY *** 2 CR. HRS.
- RNRS 110 NURSING I 6 CR. HRS.
- RNRS 111 PHARMACOLOGY FOR NURSES 2 CR. HRS.
- RNRS 120 NURSING II 6 CR. HRS.
- RNRS 210 HEALTH ASSESSMENT OF THE ADULT PATIENT 2 CR. HRS.
- RNRS 220 NURSING III 10 CR. HRS.
- RNRS 221 NURSING IV 10 CR. HRS.
- RNRS 222 NURSING MANAGEMENT AND LEADERSHIP 2 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY *** 3 CR. HRS.

* See specific requirements for Humanities required for Associate in Applied Science Degree.
** These courses must be completed within five (5) years of admission to the program and/or indicated in course prerequisites.
*** Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:

1st Semester: BIOL 205; ENGL 110; RNRS 150; RNRS 110; RNRS 210; HLTH 121
2nd Semester: BIOL 205; FCS 110 or 120; RNRS 111; RNRS 120; PSY 110
3rd Semester: BIOL 210; RNRS 220; SOC 110
4th Semester: RNRS 221; RNRS 222; ENGL 111 or COMM 110; Humanities

Accreditation: The Nursing program is fully approved by the Illinois Department of Financial and Professional Regulation and accredited by the Accreditation Commission for Education in Nursing. The Accreditation Commission for Education in Nursing (ACEN) is a resource for the nursing information contained in this catalog. The commission may be contacted as follows: Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326. Phone: (404) 975-5000, Fax: (404) 975-5020. Graduates are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEXRN) and may apply for licensure to practice nursing as a Registered Nurse (RN).

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 71

Program Information: Respiratory care is a health care specialty, which, under medical direction, is involved in the prevention, treatment, management, and rehabilitation of people with lung problems. Graduates of the program are eligible to take the registry examination prepared by the National Board for Respiratory Care to become a Registered Respiratory Therapist (R.R.T.). Students receive their classroom and laboratory experiences at the College and at OSF Saint Francis Medical Center. Clinical experiences are arranged by the College in area respiratory care departments and home care agencies.

Additional Program Info: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements, HEOCC 111-Introduction to Health Careers is a recommended College course.

Accreditation: The program is fully accredited by the Commission on Accreditation for Respiratory Care (CoARC), 1248 Hanwood Road, Bedford, TX 76021-4244, phone (817) 283-2835, coarc.com.

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of “C” or better. ACT composite score of 20 or above OR have completed 18 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of “C” or better. ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC). GPA of 2.0 or above at the last college attended (other than ICC) OR completion of 18 credit hours of “program” courses at ICC or other colleges with a grade of “C” or better. One year high school chemistry with a “C” average or higher or completion of an equivalent college chemistry course with a grade of “C” or better. One year high school algebra with a “C” average or higher or completion of MAT 094 or MAT 097 or MAT 099 with a grade of “C” or better or placement into MAT 098 or higher. Recommended high school courses: (1) three years of English; (2) two years of mathematics, including algebra; (3) one year of biology; (4) one year of chemistry.

Requirements upon Program Acceptance: Drug screen, fingerprint criminal background check, physical exam, and immunizations. Documentation of current CPR certification from the American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent). CPR certification must remain current throughout the program.

To Remain in and Graduate From the Program: Students must maintain a grade of “C” or better in all required program courses and science courses.

Contact Information: Health Careers Department Downtown Campus (309) 999-4600

Respiratory Therapist

GENERAL COURSES:
- ENGL 110 COMPOSITION I ** 3 CR. HRS.
- ENGL 111 COMPOSITION II ** 3 CR. HRS.
or COMM 110 COMMUNICATION: PROCESS AND PRACTICE ** 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY ** 3 CR. HRS.
- BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I ** 4 CR. HRS.
- BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II ** 4 CR. HRS.
- BIOL 210 MICROBIOLOGY ** 4 CR. HRS.
- BIOL 210 MICROBIOLOGY ** 4 CR. HRS.
- HUMANITIES** 3 CR. HRS.

PROGRAM COURSES:
- RESP 125 RESPIRATORY CARE PRACTICUM II 3 CR. HRS.
- RESP 123 PHARMACOLOGY FOR RESPIRATORY CARE 2 CR. HRS.
- RESP 122 CARDIOPULMONARY ANATOMY AND PHYSIOLOGY 2 CR. HRS.
- RESP 121 FUNDAMENTALS OF RESPIRATORY CARE I 5 CR. HRS.
- RESP 115 RESPIRATORY CARE PRACTICUM I 3 CR. HRS.
- RESP 112 FUNDAMENTALS OF RESPIRATORY CARE I 4 CR. HRS.
- RESP 110 INTRODUCTION TO RESPIRATORY CARE 1 CR. HR.
- HLTH 121 MEDICAL TERMINOLOGY ** 2 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLGY ** 3 CR. HRS.
- HEOCC 114 INTRODUCTION TO INTERDISCIPLINARY HEALTH CARE ** 1 CR. HR.
- HLTH 108 ELECTROCARDIOGRAM INTERPRETATION 1 CR. HR.
- RESP 127 CARDIOPULMONARY DISEASES 3 CR. HRS.
- RESP 201 INTRODUCTION TO MECHANICAL VENTILATION 1 CR. HR.
- RESP 210 FUNDAMENTALS OF RESPIRATORY CARE III 5 CR. HRS.
- RESP 220 RESPIRATORY CARE PRACTICUM III 3 CR. HRS.
- RESP 231 FUNDAMENTALS OF RESPIRATORY CARE IV 4 CR. HRS.
- RESP 235 RESPIRATORY CARE PRACTICUM IV 3 CR. HRS.
- RESP 240 RESPIRATORY THERAPY CAPSTONE 1 CR. HR.

* See specific requirements for Associate in Applied Science Degree.
** Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:
1st Semester: ENGL 110; RESP 110; RESP 112; RESP 115; RESP 122; HLTH 121
2nd Semester: RESP 121; RESP 123; RESP 125; RESP 127; BIOL 205
Summer Semester 1: PSY 110; RESP 201; BIOL 210
3rd Semester: ENGL 111 or COMM 110; RESP 210; RESP 220; BIOL 208; Humanities
4th Semester: SOC 110; RESP 231; RESP 235; RESP 240; HLTH 108; HEOCC 114

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

**Total Credit Hours:** 60

**Program Information:** The mission of the Restaurant Management Associate in Applied Science Degree program is to prepare students for employment in the restaurant industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

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

**Contact Information:**
Restaurant Management Program
North Campus
Dogwood Hall
Telephone: Last name:
(A-I) (309) 690-6890
(J-O) (309) 690-6846
(P-Z) (309) 690-6889

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### Restaurant Management

**GENERAL COURSES:**
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 125 BUSINESS COMMUNICATIONS 3 CR. HRS.
- or COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECONOMICS** 3 CR. HRS.
- BUS 120 BUSINESS MATHEMATICS 3 CR. HRS.
- LABORATORY SCIENCE/MATHEMATICS* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

**PROGRAM COURSES:**
- BUS 215 LEGAL ENVIRONMENT OF BUSINESS 3 CR. HRS.
- CA 150 PROFESSIONAL COOKING 3 CR. HRS.
- CA 151 ADVANCED SANITATION AND SAFETY 3 CR. HRS.
- CA 211 FOODSERVICE MARKETING 3 CR. HRS.
- CA 212 FOODSERVICE COST CONTROL 4 CR. HRS.
- CA 213 BEVERAGE MANAGEMENT 3 CR. HRS.
- CA 214 FRONT OF THE HOUSE 2 CR. HRS.
- CA 217 FOODSERVICE NUTRITION AND MENU PLANNING 3 CR. HRS.
- CA 225 INTERNSHIP IN CULINARY ARTS 3 CR. HRS.
- CMGEN 120 COMPUTER APPLICATIONS 3 CR. HRS.
- HLTH 120 FIRST AID 2 CR. HRS.
- HOS 110 INTRODUCTION TO HOSPITALITY MANAGEMENT 3 CR. HRS.
- MGMT 205 PERSONNEL MANAGEMENT 3 CR. HRS.

* See specific requirements for an Associate in Applied Science degree.

** **ECON 105, 110, or 111

**Recommended Course Sequence:**
1st Semester: CA 150; CA 151; ENGL 110; BUS 120; HOS 110
2nd Semester: CA 212; CA 213; HLTH 120; BUS 215
Summer Semester 1: CMGEN 120
3rd Semester: CA 211; CA 217; MGMT 205; Laboratory Science/Mathematics
4th Semester: CA 214; CA 225; ENGL 125 or COMM 110; Humanities
Summer Semester 2: Economics

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 24 to 25

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

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

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Small Business Management

PROGRAM COURSES:

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

Recommended Course Sequence:
1st Semester: ENGL 110; ACCTG 105 or ACCTG 120; MGMT 113; MGMT 205
2nd Semester: MGMT 216; CMGEN 120; BUS 120; MKTG 112

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 36

Program Information:
The mission of the Solar Thermal Heating Systems certificate program is to provide the students with knowledge and skills pertaining to solar thermal heating systems. After completing this program, the graduate will be able to work as an entry-level repair/maintenance worker, solar domestic water/space heating technician, solar thermal systems designer, or a solar thermal salesperson.

Additional Program Info: Previous experience with solar thermal heating systems is not required to enter this program of study. The solar thermal heating courses include extensive laboratory experience as well as lectures. Students must provide the following items: safety glasses with side shields, work gloves, basic scientific calculator, and thumb drive.

Admission To the Program: COMPASS Reading score of 70 and MAT 094 or higher, or an equivalent course with a grade of "C" or better, or department approval.

To Remain in and Graduate From the Program: Students must attain a grade of "C" or better in each course to remain in and graduate from the program. Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
Dirksen Building
Room 9
(309) 694-8566

Solar Thermal Heating Systems

PROGRAM COURSES:
- ARCTK 119  BLUEPRINT READING CONSTRUCTION  1 CR. HR.
- EERE 120  SOLAR DOMESTIC HOT WATER  1 CR. HR.
- EERE 121  SOLAR SPACE HEATING  1 CR. HR.
- EERE 122  RESIDENTIAL SDHW SITE ASSESSOR  2 CR. HRS.
- EERE 123  SOLAR WATER HEATING LAB  3 CR. HRS.
- EERE 124  SOLAR THERMAL DESIGN  2 CR. HRS.
- GRBE 120  BUILDING ENERGY ANALYSIS  3 CR. HRS.
- GRBCR 150  BUILDING ENVELOPE EVALUATION  3 CR. HRS.
- REACT 110  INTRODUCTION TO REFRIGERATION  4 CR. HRS.
- REACT 120  RESIDENTIAL FURNACES  4 CR. HRS.
- REACT 118  ELECTRICITY AS IT APPLIES TO HVAC/R  4 CR. HRS.
- REACT 211  RESIDENTIAL EQUIPMENT DESIGN I  4 CR. HRS.
- REACT 213  RESIDENTIAL EQUIPMENT DESIGN II  4 CR. HRS.

Recommended Course Sequence:
1st Semester: REACT 110; REACT 118; REACT 120; ARCTK 119
2nd Semester: EERE 120; EERE 121; GRBE 120; GRBCR 150
Summer Semester 1: EERE 122
3rd Semester: EERE 123; REACT 211
4th Semester: EERE 124; REACT 213

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 65

Program Information: The mission of the Associate in Applied Science Surgical Technology program is to prepare competent, entry-level surgical technologist, able to function within the healthcare community.

Additional Program Info: Students enrolled in this program must meet with their assigned advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Suggested supplemental courses: HEOCC 111, 200, 230; PSY 115, 116, 117, 119
Students are advised to complete all BIOL prior to first SURTK course. Recommended high school subjects: (1) four years of English/communication (2) two years of mathematics (3) three years of biological science. If you are a surgical technologist and have graduated from an ARCST accredited surgical technology program, you may enroll in this program to complete the 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.

Accreditation: Commission on Accreditation of Allied Health Programs in cooperation with the Accreditation Review Committee for Surgical Technologists (ARCST).

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of “C” or better. ACT composite score of 18 or above OR have completed 18 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of “C” or better. ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC). GPA of 2.0 or above at the last college attended (other than ICC) OR completion of 18 credit hours of “program” courses at ICC or other colleges with a grade of “C” or better. One year high school biology with a “C” average or higher OR completion of equivalent college biology course with a grade of “C” or better.

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

To Remain in and Graduate From the Program: Students must maintain a grade of “C” or better in all BIOL and SURTK courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

Surgical Technologist

GENERAL COURSES:

- ENGL 110 COMPOSITION I ** 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE ** 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY ** 3 CR. HRS.
- BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I ** 4 CR. HRS.
- BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II ** 4 CR. HRS.
- BIOL 210 MICROBIOLOGY ** 4 CR. HRS.
- HUMANITIES * 3 CR. HRS.

PROGRAM COURSES:

- HEOCC 114 INTRODUCTION TO INTERDISCIPLINARY * HEALTH CARE * 1 CR. HR.
- HLTH 110 FUNDAMENTALS OF STERILE PROCESSING ** 2 CR. HRS.
- HLTH 121 MEDICAL TERMINOLOGY ** 2 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY ** 3 CR. HRS.
- SURTK 120 INTRODUCTION TO SURGICAL TECHNOLOGY 4 CR. HRS.
- SURTK 121 FUNDAMENTALS OF SURGICAL TECHNOLOGY I 7 CR. HRS.
- SURTK 122 FUNDAMENTALS OF SURGICAL TECHNOLOGY II 6 CR. HRS.
- SURTK 130 PHARMACOLOGY FOR THE SURGICAL TECHNOLOGIST 1 CR. HR.
- SURTK 210 FUNDAMENTALS OF SURGICAL TECHNOLOGY III 8 CR. HRS.
- SURTK 211 ADVANCED FUNDAMENTALS OF SURGICAL TECHNOLOGY 7 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.
** Underlined courses may be taken prior to admission into the program.

Recommended Course Sequence:
1st Semester: SURTK 120; BIOL 205; HLTH 110; HLTH 121; ENGL 110
2nd Semester: SURTK 121; BIOL 206; SURTK 130; HECC 114; COMM 110
Summer Semester 1: SURTK 122
3rd Semester: SURTK 210; BIOL 210; SOC 110
4th Semester: SURTK 211; PSY 110; Humanities

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 49

Program Information: The mission of the Surgical Technology certificate program is to prepare competent, entry-level surgical technologist, able to function within the healthcare community.

Additional Program Info: Requirements upon Program Acceptance: Drug screen, fingerprint criminal background check, physical exam, and immunizations. Documentation of current CPR certification from the American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider. CPR certification must remain current throughout the program. Students enrolled in this program must meet with their assigned advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Suggested supplemental courses: HEOCC 111, 200, 230; PSY 115, 116, 117, 119 Students are advised to complete all BIOL courses prior to first SURTK course. Recommended High School Subjects: (1) four years of English/communication (2) two years of mathematics (3) three years of biological science.

Accreditation: Commission on Accreditation of Allied Health Programs (CAAHEP) in cooperation with the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA).

Admission To the Program: High school graduate or equivalent. COMPASS reading score of 81 or higher OR ACT reading score of 18 or higher OR completion of appropriate ENGL 110 prerequisites with a grade of "C" or better. ACT composite score of 18 or above OR have completed 18 or more credit hours of college transfer level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a grade of "C" or better. ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC). GPA of 2.0 or above at the last college attended (other than ICC) OR completion of 18 credit hours of "program" courses at ICC or other colleges with a grade of "C" or better. One year high school biology with a "C" average or higher OR completion of equivalent college biology course with a grade of "C" or better.

To Remain in and Graduate From the Program: Students must maintain a grade of "C" or better in all BIOL and SURTK courses.

Contact Information:
Health Careers Department
Downtown Campus
Thomas Building
(309) 999-4600

Surgical Technologist

PROGRAM COURSES:

- SURTK 130 PHARMACOLOGY FOR THE SURGICAL TECHNOLOGIST 1 CR. HR.
- SURTK 122 FUNDAMENTALS OF SURGICAL TECHNOLOGY II 6 CR. HRS.
- SURTK 121 FUNDAMENTALS OF SURGICAL TECHNOLOGY I 7 CR. HRS.
- SURTK 120 INTRODUCTION TO SURGICAL TECHNOLOGY 4 CR. HRS.
- HLTH 121 MEDICAL TERMINOLOGY * 2 CR. HRS.
- HLTH 110 FUNDAMENTALS OF STERILE PROCESSING * 2 CR. HRS.
- HEOCC 114 INTRODUCTION TO INTERDISCIPLINARY * HEALTH CARE 1 CR. HR.
- ENGL 110 COMPOSITION I * 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE * 3 CR. HRS.
- BIOL 210 MICROBIOLOGY * 4 CR. HRS.
- BIOL 206 PRINCIPLES OF HUMAN ANATOMY * AND PHYSIOLOGY II 4 CR. HRS.
- BIOL 205 PRINCIPLES OF HUMAN ANATOMY * AND PHYSIOLOGY I 4 CR. HRS.
- SURTK 210 FUNDAMENTALS OF SURGICAL TECHNOLOGY III 8 CR. HRS.

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

Recommended Course Sequence:
1st Semester: SURTK 120; BIOL 205; HLTH 110; HLTH 121; ENGL 110
2nd Semester: SURTK 121; BIOL 206, SURTK 130; HEOCC 114; COMM 110
Summer Semester 1: SURTK 122
3rd Semester: SURTK 210; BIOL 210

For the most up-to-date program requirements, go online to the College catalog: 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

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 48 hours of classroom lecture and 112 hours of "yard" work (backing skills and pre-trip inspections), and on the road experience.

Additional Program Info: Students enrolled in this program must meet with their assigned advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. Prior to enrolling in this program, students are encouraged to obtain a copy of their Motor Vehicle Report from the Secretary of State’s Drivers License Bureau.

Admission To the Program: Admission criteria include: ability to read and write the English language; minimum age of 18 (those over age 21 receive greater placement assistance); ability to meet the Federal Department of Transportation requirements; a valid regular driver’s license; and acceptable driving history.

Contact Information:
Professional Development Institute
East Peoria Campus
Dirksen Hall
(309) 694-8555

Truck Driver Training

PROGRAM COURSES:

- PDTTD 110 TRUCK DRIVING 7 CR. HRS.

Recommended Course Sequence:
1st Semester: PDTTD 110

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 27

Program Information: The mission of the Web Designer certificate program is to instruct students in the current technologies of Web creation by providing hands-on experience in developing a portfolio of Web page projects.

Additional Program Info: Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. This certificate program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or icc.edu/VirtualCampus.

Accreditation: Accredited by Webprofessionals.org as a Web Professional Academy.

Admission To the Program: Students entering this program must demonstrate proficiency in Windows by completing CMGEN 110 or passing the proficiency test or with department approval.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Web Designer

Program Courses:
- CMWEB 110  HTML AND ADVANCED INTERNET  3 CR. HRS.
- CMWEB 115  WRITING FOR THE WWW  3 CR. HRS.
- CMWEB 120  BUILDING WEB PAGES WITH HTML AND CSS  3 CR. HRS.
- CMWEB 130  WEB TECHNOLOGY AND BUSINESS  3 CR. HRS.
- CMWEB 135  BUSINESS USE OF SOCIAL MEDIA  3 CR. HRS.
- CMWEB 150  WEB ACCESSIBILITY  3 CR. HRS.
- CMWEB 155  WEB USER EXPERIENCE DESIGN  3 CR. HRS.
- CMWEB 160  SCRIPTING FOR WEB DESIGNERS  3 CR. HRS.
- CMWEB 220  WEB SITE DEVELOPMENT WITH CSS  3 CR. HRS.

Recommended Course Sequence:
1st Semester: CMWEB 110; CMWEB 130; CMWEB 115; CMWEB 135; CMWEB 150
2nd Semester: CMWEB 120; CMWEB 155; CMWEB 160
3rd Semester: CMWEB 220

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 30

Program Information: The mission of the Web Developer certificate program is to instruct students in the practice of programming and scripting of websites for business and industry by providing hands-on experience in interfacing web applications with legacy applications.

Additional Program Info: Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. This degree program is offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888, or icc.edu/VirtualCampus.

Accreditation: Accredited by Webprofessionals.org as a Web Professional Academy.

Admission To the Program: Students entering this program must demonstrate proficiency in Windows by completing CMGEN 110 or passing the proficiency test or department approval.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Web Developer

PROGRAM COURSES:
- CMWEB 110 HTML AND ADVANCED INTERNET 3 CR. HRS.
- CMWEB 120 BUILDING WEB PAGES WITH HTML AND CSS 3 CR. HRS.
- CMWEB 130 WEB TECHNOLOGY AND BUSINESS 3 CR. HRS.
- CMWEB 160 SCRIPTING FOR WEB DESIGNERS or CMPSC 115 ESSENTIALS OF PROGRAMMING or CMPSC 124 EVENTDRIVEN PROGRAMMING IN VISUAL BASIC or CMPSC 125 CS I: PROGRAMMING IN C++ or CMPSC 135 CS I: PROGRAMMING IN JAVA 3 CR. HRS.
- CMWEB 200 JAVASCRIPT FOR WEB DEVELOPERS 3 CR. HRS.
- CMWEB 220 WEB SITE DEVELOPMENT WITH CSS 3 CR. HRS.
- CMWEB 240 WINDOWS WEB SERVER SCRIPTING WITH ASP.NET or CMWEB 241 PHP 3 CR. HRS.
- CMWEB 250 XML, XSL, AND RELATED TECHNOLOGIES 3 CR. HRS.
- CMWEB 270 WEB APPLICATION SECURITY 3 CR. HRS.
- CMWEB 280 WEB PAGE DEVELOPMENT FOR MOBILE DEVICES 3 CR. HRS.

Recommended Course Sequence:
1st Semester: CMWEB 110; CMWEB 130
2nd Semester: CMWEB 120; CMWEB 160 or CMPSC 115 or CMPSC 124 or CMPSC 125 or CMPSC 135; CMWEB 270; CMWEB 250
3rd Semester: CMWEB 200; CMWEB 240 or CMWEB 241; CMWEB 280; CMWEB 220

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 69 to 70

Program Information: The mission of the Web Systems program of study is to prepare students for employment as a web professional by educating them in the skills and knowledge needed to maintain corporate intranet, extranet, and internet websites.

Additional Program Info: Students enrolled in the Associate in Applied Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. This degree program is offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888, or icc.edu/VirtualCampus.

Accreditation: Accredited by Webprofessionals.org as a Web Professional Academy.

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 or department approval.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

- **Students wishing to pursue a career in Web Development should take CMWEB 250 and 235.**
- **Students wishing to pursue a Web Designer track should take CMWEB 155 and 115.**
- **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.**

### Web Systems

#### GENERAL COURSES:
- **ENGL 110** COMPOSITION I
- **or ENGL 125** BUSINESS COMMUNICATIONS
- **or ENGL 201** TECHNICAL COMMUNICATIONS
- **or COMMUNICATION**
- **or SOCIAL SCIENCE**
- **or MATHEMATICS/LABORATORY SCIENCE**
- **BUS 120** BUSINESS MATHEMATICS
- **or CMGEN 123** COMPUTER MATHEMATICS
- **or HUMANITIES**

#### PROGRAM COURSES:
- **CMWEB 110** HTML AND ADVANCED INTERNET
- **CMWEB 120** BUILDING WEB PAGES WITH HTML AND CSS
- **CMWEB 130** WEB TECHNOLOGY AND BUSINESS
- **CMWEB 135** BUSINESS USE OF SOCIAL MEDIA
- **CMWEB 140** ELECTRONIC COMMERCE
- **CMWEB 150** WEB ACCESSIBILITY
- **CMWEB 160** SCRIPTING FOR WEB DESIGNERS
- **or CMPSC 115** ESSENTIALS OF PROGRAMMING
- **or CMPSC 124** EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC
- **or CMPSC 125** CS I: PROGRAMMING IN C++
- **or CMPSC 135** CS I: PROGRAMMING IN JAVA
- **CMWEB 200** JAVASCRIPT FOR WEB DEVELOPERS
- **CMWEB 220** WEB SITE DEVELOPMENT WITH CSS
- **CMWEB 225** FLASH FUNDAMENTALS AND ACTIONSCRIPT
- **CMWEB 235** RICH INTERNET APPLICATIONS WITH FLEX AND AJAX
- **or CMWEB 115** WRITING FOR THE WWW
- **CMWEB 240** WINDOWS WEB SERVER SCRIPTING WITH ASP.NET
- **or CMWEB 241** PHP
- **CMWEB 250** XML, XSL, AND RELATED TECHNOLOGIES
- **or CMWEB 155** WEB USER EXPERIENCE DESIGN
- **CMWEB 260** WEB INTERNSHIP
- **CMWEB 270** WEB APPLICATION SECURITY
- **CMWEB 280** WEB PAGE DEVELOPMENT FOR MOBILE DEVICES
- **CMWEB 290** WEB SERVER ADMINISTRATION

*See specific requirements for Associate in Applied Science Degree.*

**Students wishing to pursue a career in Web Development should take CMWEB 250 and 235. Students wishing to pursue a Web Designer track should take CMWEB 155 and 115.**

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For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 40 to 41

Program Information: The mission of the Webmaster certificate program of study is to prepare students for employment as a Webmaster by educating and providing hands-on experience with the current technologies and problem solving skills needed for the wide range of duties as a Webmaster in business and industry.

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

Accreditation: Accredited by Webprofessionals.org as a Web Professional Academy.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Webmaster

PROGRAM COURSES:

- CMCIS 151   NETWORK FUNDAMENTALS   4 CR. HRS.
- CMNET 150   COMPUTER HARDWARE INFRASTRUCTURE 3 CR. HRS.
- CMNET 210   WINDOWS SERVER ADMINISTRATION 3 CR. HRS.
- CMNET 220   NETWORK INFRASTRUCTURE ADMINISTRATION 3 CR. HRS.
- CMNET 250   ADVANCED SECURITY TOPICS 3-4 CR. HRS.
- CMWEB 110   HTML AND ADVANCED INTERNET 3 CR. HRS.
- CMWEB 120   BUILDING WEB PAGES WITH HTML AND CSS 3 CR. HRS.
- CMWEB 130   WEB TECHNOLOGY AND BUSINESS 3 CR. HRS.
- CMWEB 135   BUSINESS USE OF SOCIAL MEDIA 3 CR. HRS.
- CMWEB 155   WEB USER EXPERIENCE DESIGN 3 CR. HRS.
- CMWEB 160   SCRIPTING FOR WEB DESIGNERS 3 CR. HRS.
- CMWEB 270   WEB APPLICATION SECURITY 3 CR. HRS.
- CMWEB 290   WEB SERVER ADMINISTRATION 3 CR. HRS.

Recommended Course Sequence:
1st Semester: CMWEB 110; CMWEB 130; CMCIS 151; CMWEB 135; CMNET 150
2nd Semester: CMWEB 120; CMWEB 160; CMWEB 155; CMNET 210
3rd Semester: CMWEB 270; CMNET 220; CMWEB 290; CMNET 250

For the most up-to-date program requirements, go online to the College catalog: 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
Total Credit Hours: 33

Program Information: The mission of the Web-Rich Internet Application Developer certificate is to instruct students in the development of desktop-like web applications by providing a hands-on working environment using current technologies in which they will develop a portfolio of practical work.

Additional Program Info: Students enrolled in this program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements. This certificate program is offered online. Please contact the department for further information.

Accreditation: Accredited by Webprofessionals.org as a Web Professional Academy.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Web-Rich Internet Application Developer

PROGRAM COURSES:
- CMWEB 110 HTML AND ADVANCED INTERNET 3 CR. HRS.
- CMWEB 120 BUILDING WEB PAGES WITH HTML AND CSS 3 CR. HRS.
- CMWEB 150 WEB ACCESSIBILITY 3 CR. HRS.
- CMWEB 155 WEB USER EXPERIENCE DESIGN 3 CR. HRS.
- CMWEB 160 SCRIPTING FOR WEB DESIGNERS 3 CR. HRS.
- CMWEB 200 JAVASCRIPT FOR WEB DEVELOPERS 3 CR. HRS.
- CMWEB 220 WEB SITE DEVELOPMENT WITH CSS 3 CR. HRS.
- CMWEB 225 FLASH FUNDAMENTALS AND ACTIONSCRIPT 3 CR. HRS.
- CMWEB 235 RICH INTERNET APPLICATIONS WITH FLEX AND AJAX 3 CR. HRS.
- CMWEB 240 WINDOWS WEB SERVER SCRIPTING WITH ASP.NET 3 CR. HRS.
  or CMWEB 241 PHP 3 CR. HRS.
- CMWEB 270 WEB APPLICATION SECURITY 3 CR. HRS.

Recommended Course Sequence:
1st Semester: CMWEB 110; CMWEB 150
2nd Semester: CMWEB 120; CMWEB 160; CMWEB 155
3rd Semester: CMWEB 200; CMWEB 220; CMWEB 225
4th Semester: CMWEB 235; CMWEB 240 or CMWEB 241; CMWEB 270
Certificate
Total Credit Hours: 12

Program Information: The mission of the Welding Operator certificate program of study is to prepare students with skill in the major commercial welding processes as entry level welders for industry.

Additional Program Info: The Welding Operator certificate consists of twelve (12) credit hours of instruction. Upon completion of this program, the graduate is prepared for entry-level employment as a production welder.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5171 or (309) 694-5510

Welding Operator

PROGRAM COURSES:
- WLDTR 111 WELDING BLUEPRINT READING 3 CR. HRS.
- WLDTR 112 WELDING THEORY I 1 CR. HR.
- WLDTR 118 MAINTENANCE WELDING 2 CR. HRS.
- WLDTR 121 STICK WELDING I 1 CR. HR.
- WLDTR 122 STICK WELDING II 1 CR. HR.
- WLDTR 123 STICK WELDING III 1 CR. HR.
- WLDTR 212 WELDING THEORY II 1 CR. HR.
- WLDTR 225 SEMI-AUTOMATIC ARC WELDING 1 CR. HR.
- WLDTR 227 ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW) 1 CR. HR.

Recommended Course Sequence:
1st Semester: WLDTR 111; WLDTR 112; WLDTR 118; WLDTR 121; WLDTR 122; WLDTR 123; WLDTR 212; WLDTR 225; WLDTR 227

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 30

Program Information: The mission of the Welding Specialist certificate program of study is to develop entry-level welders for industry with skill in major commercial welding processes capable of part layout, inspection, and process troubleshooting.

Additional Program Info: The Welding Specialist certificate includes thirty (30) credit hours of study and can be completed by the full-time student in two semesters. It provides additional welding skill, as well as enrichment in related areas such as drafting, machine trades, industrial safety, and mathematics. The graduate is prepared for entry-level employment as a production or maintainance welder.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 209
(309) 694-5510 or (309) 694-5171

Welding Specialist

PROGRAM COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- MAT 094  ELEMENTARY ALGEBRA  5 CR. HRS.
- MAT 106  APPLIED ALGEBRA, GEOMETRY AND TRIGONOMETRY  4 CR. HRS.
- MECTK 106  BASIC DRAFTING  2 CR. HRS.
- WLDTR 111  WELDING BLUEPRINT READING  3 CR. HRS.
- WLDTR 112  WELDING THEORY I  1 CR. HR.
- WLDTR 118  MAINTENANCE WELDING  2 CR. HRS.
- WLDTR 121  STICK WELDING I  1 CR. HR.
- WLDTR 122  STICK WELDING II  1 CR. HR.
- WLDTR 123  STICK WELDING III  1 CR. HR.
- WLDTR 210  WELDING EQUIPMENT MAINTENANCE AND OPERATION  3 CR. HRS.
- WLDTR 212  WELDING THEORY II  1 CR. HR.
- WLDTR 225  SEMI-AUTOMATIC ARC WELDING  1 CR. HR.
- WLDTR 226  GAS TUNGSTEN ARC WELDING  1 CR. HR.
- WLDTR 227  ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW)  1 CR. HR.

Recommended Course Sequence:
1st Semester: WLDTR 112; WLDTR 121; WLDTR 122; WLDTR 123; WLDTR 212; WLDTR 225; ENGL 110; MAT 104
2nd Semester: WLDTR 111; WLDTR 118; WLDTR 226; WLDTR 227; WLDTR 210; MAT 106; MECTK 106

For the most up-to-date program requirements, go online to the College catalog: 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 Applied Science

Total Credit Hours: 63 to 64

Program Information: The mission of the Welding Technology Associate in Applied Science degree program is to prepare students with skill and knowledge to develop welding processes, troubleshoot equipment, and quality problems as welding engineering technicians for industry.

Additional Program Info: The Welding Technology 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.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5510 or (309) 694-5171

Welding Technology

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 201 TECHNICAL COMMUNICATIONS 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 130 TECHNICAL ALGEBRA AND TRIGONOMETRY 5 CR. HRS.
- PHYS 112 TECHNICAL PHYSICS I 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- BUS 200 HUMAN RELATIONS IN BUSINESS 3 CR. HRS.
- MECTK 106 BASIC DRAFTING 2 CR. HRS.
- MECTK 110 INTRODUCTION TO THE TOOLS OF TECHNOLOGY 3 CR. HRS.
- MECTK 138 MANUFACTURING PROCESSES I 3 CR. HRS.
- MECTK 232 MATERIALS SCIENCE AND PHYSICAL METALLURGY 3 CR. HRS.
- WLDTR 111 WELDING BLUEPRINT READING 3 CR. HRS.
- WLDTR 112 WELDING THEORY I 1 CR. HR.
- WLDTR 118 MAINTENANCE WELDING 2 CR. HRS.
- WLDTR 121 STICK WELDING I 1 CR. HR.
- WLDTR 122 STICK WELDING II 1 CR. HR.
- WLDTR 123 STICK WELDING III 1 CR. HR.
- WLDTR 210 WELDING EQUIPMENT MAINTENANCE AND OPERATION 3 CR. HRS.
- WLDTR 212 WELDING THEORY II 1 CR. HR.
- WLDTR 225 SEMI-AUTOMATIC ARC WELDING 1 CR. HR.
- WLDTR 226 GAS TUNGSTEN ARC WELDING 1 CR. HR.
- WLDTR 227 ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW) 1 CR. HR.
- WLDTR 230 WELD TESTING 3 CR. HRS.
- WLDTR 240 ADVANCED WELDING 3 CR. HRS.

ELECTIVE COURSES:
- ELECTIVE/INTERNSHIP 3-4 CR. HRS.
- TECHNICAL ELECTIVE 3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: WLDTR 111; WLDTR 112; ENGL 110; MECTK 110; WLDTR 121; WLDTR 122; MECTK 138
2nd Semester: WLDTR 123; ENGL 201; MATH 130; WLDTR 212; Humanities; WLDTR 225; MECTK 106
3rd Semester: WLDTR 226; WLDTR 227; WLDTR 210; PHYS 112; MECTK 232; Social Science; Technical Elective
4th Semester: WLDTR 230; WLDTR 240; WLDTR 118; Elective/Internship; BUS 200

For the most up-to-date program requirements, go online to the College catalog: 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

Total Credit Hours: 35

Program Information: The mission of the Word Processing Specialist certificate is to prepare students for entry-level positions in information processing by developing a high level of keyboarding and word processing skill in conjunction with entry-level office skills.

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

Admission To the Program: 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 121 are prerequisites for entering this program.

To Remain in and Graduate From the Program: Students should submit an "Application for Degree/Certificate" after completing 26-30 hours. The form is available in Enrollment Services, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Word Processing Specialist

PROGRAM COURSES:

- BUS 120 BUSINESS MATHEMATICS 3 CR. HRS.
- OFACS 125 POWERPOINT 1 CR. HR.
- OFACS 126 OUTLOOK 1 CR. HR.
- OFACS 132 ELECTRONIC SPREADSHEETS 3 CR. HRS.
- OFOCC 111 TELEPHONE SKILLS FOR THE OFFICE 1 CR. HR.
- OFOCC 114 FUNDAMENTALS OF TRANSCRIPTION 3 CR. HRS.
- OFOCC 151 PROFESSIONAL DEVELOPMENT FOR OFFICE EMPLOYEES 3 CR. HRS.
- OFOCC 200 MACHINE TRANSCRIPTION AND SPECIALIZED TERMINOLOGY 2 CR. HRS.
- OFOCC 205 FUNDAMENTALS OF RECORDS CONTROL 3 CR. HRS.
- OFOCC 210 ADMINISTRATIVE OFFICE PROCEDURES 3 CR. HRS.
- OFOCC 250 OFFICE OCCUPATIONS INTERNSHIP 3 CR. HRS.
- TYPE 142 TYPING SPEED DEVELOPMENT TO 60 NWPM* 1 CR. HR.
- WP 122 KEYBOARD/WORD PROCESSING III 4 CR. HRS.
- WP 161 DATA ENTRY 1 CR. HR.
- WP 186 or OFACS 211 WORD PROCESSING FOR DESKTOP PUBLISHING INTEGRATED OFFICE PROJECTS 3 CR. HRS.

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

Recommended Course Sequence:
1st Semester: BUS 120; OFOCC 111; OFOCC 151; OFACS 125; OFACS 126; WP 161
2nd Semester: OFOCC 114; OFOCC 205; WP 122; TYPE 142; OFACS 132
3rd Semester: OFOCC 200; OFOCC 210; OFOCC 250; OFACS 211 or WP 186

For the most up-to-date program requirements, go online to the College catalog: 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 GENERAL STUDIES

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

**Total Credit Hours:** 60 to 64

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

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

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

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**Associate in General Studies**

**GENERAL COURSES:**
- ENGLISH* 6 CR. HRS.
- SOCIAL SCIENCE* 6 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- LABORATORY SCIENCE* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

**ELECTIVE COURSES:**
- ELECTIVES* 37 CR. HRS.

* See specific requirements for Associate in General Studies Degree in the current ICC Catalog.

**Recommended Course Sequence:**
1st Semester: Humanities; Electives
2nd Semester: English; Mathematics; Electives
3rd Semester: Laboratory Science; Social Science; Electives
4th Semester: English; Social Science; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 ARTS
ASSOCIATE IN SCIENCE

The Associate in Arts and Associate in Science degrees are designed to provide students with the foundation for transferring to a four-year college or university. Each degree requires a minimum of 60 credit hours; approximately 40 of those hours are in general education coursework. (See page 29-30 for general education requirements) Students usually choose to focus the remaining hours of coursework in their future area of emphasis.

A special agreement called the Illinois Articulation Initiative (IAI) works to make transfers between participating colleges and universities within Illinois smoother. Most colleges and universities will accept no more than roughly 66 credit hours from community colleges towards a bachelors degree. Colleges participating in the IAI agree to accept the general education coursework completed at ICC as a package – to meet the general education requirements at IAI participating schools. Some schools have additional or specific courses they want above the IAI gen eds. To most effectively plan coursework at ICC, students should work with their advisor and the Illinois Central College Transfer Center.

The following pages outline recommended coursework that will help prepare a student for continued education in their selected field of study.
Associate in Arts

Total Credit Hours: 60 to 64

Program Information: In addition to the General Requirements for a Degree, candidates for the degree of Associate in Arts must complete at least 60 semester hours of TRANSFER CREDIT courses including the General Education requirements on page 26. Check current IAI transfer status by confirming at iTransfer.org. See the current ICC catalog for further descriptions. Courses labeled occupational credit (OC) in course descriptions may not be applied to degree requirements. All students who earn the Associate in Arts Degree must complete the specific degree requirements in effect for the Associate in Arts degree at the time they complete the “Application for Degree/Certificate.”

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

Contact Information:
Academic Advisement
East Peoria Campus
Career Center
Room CC201
(309) 694-5281

- **GENERAL COURSES:**
  - ENGL 110  COMPOSITION I  3 CR. HRS.
  - ENGL 111  COMPOSITION II  3 CR. HRS.
  - COMMUNICATION*  3 CR. HRS.
  - SOCIAL SCIENCE*  9 CR. HRS.
  - MATHEMATICS*  3 CR. HRS.
  - PHYSICAL SCIENCE*  3-4 CR. HRS.
  - LIFE SCIENCE*  3-4 CR. HRS.
  - FINE ARTS*  3 CR. HRS.
  - HUMANITIES*  3 CR. HRS.
  - HUMANITIES/FINE ARTS*  3 CR. HRS.

- **ELECTIVE COURSES:**
  - ELECTIVES  23 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; Life Science; Humanities; Communication; Electives
2nd Semester: ENGL 111; Social Science; Physical Science; Fine Arts; Electives
3rd Semester: Social Science; Mathematics; Electives
4th Semester: Humanities/Fine Arts; Social Science; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

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 shown on page 26. Check current IAI transfer status by confirming at iTransfer.org. See the ICC college catalog for further IAI descriptions. 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 complete the “Application for Degree/Certificate.

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

Contact Information:
Academic Advisement
East Peoria Campus
Career Center
Room CC201
(309) 694-5281

Associate in Science

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 9 CR. HRS.
- MATHEMATICS* 6-8 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

ELECTIVE COURSES:

- ELECTIVES 19-21 CR. HR.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; Life Science; Humanities; Communication; Electives
2nd Semester: ENGL 111; Social Science; Physical Science; Fine Arts; Electives
3rd Semester: Social Science; Mathematics; Electives
4th Semester: Humanities/Fine Arts; Social Science; Electives

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

For the most up-to-date program requirements, go online to the College catalog: 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 Science
Total Credit Hours: 60 to 64

Program Information: The Accountancy program of study is designed for the student who plans to pursue a career in accounting after completion of a bachelor’s degree program. Upon completion of the degree at Illinois Central College, most of the general education requirements at most state universities in Illinois will have been met as well as the usual accounting and business courses found in the typical first two years of a bachelor’s degree. Public accounting, private accounting, managerial accounting, cost and governmental accounting are a sampling of the areas in which the student may specialize after transferring to a four-year bachelor’s degree.

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

To Remain in and Graduate From the Program: Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements. Students transferring to a four-year institution are advised to check with their transfer institution which may recommend 60 credit hours be completed before transfer.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Accountancy

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- ECON 111 PRINCIPLES OF MICROECONOMICS 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 115 COLLEGE ALGEBRA** 3 CR. HRS.
- MATH 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES*** 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:
- ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- ACCTG 121 MANAGERIAL ACCOUNTING 4 CR. HRS.
- BUS 203 BUSINESS STATISTICS 4 CR. HRS.
- BUS 215 LEGAL ENVIRONMENT OF BUSINESS 3 CR. HRS.
- CMPSC 120 BUSINESS COMPUTER SYSTEMS 3 CR. HRS.

* See specific requirements for Associate in Science Degree.
** The appropriate mathematics sequence is contingent on the individual
*** 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 64 credit hours.

Recommended Course Sequence:
1st Semester: ENGL 110; ACCTG 120; MATH 115; COMM 110; Humanities/Fine Arts
2nd Semester: ENGL 111; ACCTG 121; MATH 135; CMPSC 120; Social Science
3rd Semester: BUS 203; ECON 110; Life Science; Humanities
4th Semester: ECON 111; BUS 215; Physical Science; Fine Arts

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: Students who have a strong interest in mathematics and business should investigate the Actuarial Science field of study. Actuaries use mathematical, statistical, and economic models to design, price, finance, and operate benefit plans which protect people from risks of injury, illness, death, property damage, and the loss of income due to unemployment or retirement. A required background in calculus, accounting, and economics can be acquired at Illinois Central College.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Actuarial Science

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- ECON 111 PRINCIPLES OF MICROECONOMICS 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3-4 CR. HRS.

* See specific requirements for Associate in Science Degree.

Program Courses:

- ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- ACCTG 121 MANAGERIAL ACCOUNTING 4 CR. HRS.
- CMPSC 125 or ENGR 230 CS I: PROGRAMMING IN C PROGRAMMING ENGINEERING APPLICATIONS 3 CR. HRS.
- MATH 224 CALCULUS AND ANALYTIC GEOMETRY III 4 CR. HRS.
- MATH 230 LINEAR ALGEBRA 3 CR. HRS.

Recommended Course Sequence:

1st Semester: MATH 222; ENGL 110; Life Science; Social Science
2nd Semester: MATH 223; ENGR 230 or CMPSC 125; ENGL 111; Physical Science; Fine Arts
3rd Semester: MATH 224; COMM 110; ACCTG 120; ECON 110; Humanities
4th Semester: MATH 230; ACCTG 121; ECON 111; Humanities/Fine Arts; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: This program of study sequence is designed for students planning to transfer to a four-year institution pursuing a Bachelor of Science degree in agriculture. The student is encouraged to enroll in courses required at the transferring institution so it is important that each student determine as early as possible which institution he/she is planning to attend after completion of courses at Illinois Central College.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Admission To the Program: The student enrolling in this curriculum should be in the upper half of his/her high school class or have an ACT composite score of 20 or above. Job availability will be dependent upon the major at the four-year institution. Students are encouraged to complete the following courses in high school: (1) three or four years of mathematics; (2) two or three years of science; (3) four years of English; and (4) two to four years of agriculture (where offered). High school recommendations: three to four years of mathematics; two to three years of science; four years of English; and two to four years of agriculture (where offered).

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5171

For the most up-to-date program requirements, go online to the College catalog: 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.
Program/Areas of Study

Architecture

**GENERAL COURSES:**
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE* 6 CR. HRS.
- HIST 117 EARLY WESTERN CIVILIZATION 3 CR. HRS.
  or HIST 118 MODERN WESTERN CIVILIZATION 3 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I** 5 CR. HRS.
- PHYS 120 GENERAL PHYSICS 5 CR. HRS.
- LIFE SCIENCE* 3-4 CR. HRS.
- HIST 111 EARLY WORLD CIVILIZATIONS 4 CR. HRS.
  or HIST 112 MODERN WORLD CIVILIZATIONS 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

**PROGRAM COURSES:**
- ARCH 110 ARCHITECTURAL ORIENTATION 3 CR. HRS.
- ARCH 131 ARCHITECTURAL CONSTRUCTION I 4 CR. HRS.
- ARCH 137 FUNDAMENTALS OF ARCHITECTURAL DRAWING 3 CR. HRS.
- ARCH 201 BASIC DESIGN STUDIO I 3 CR. HRS.
- ARCH 202 BASIC DESIGN STUDIO II 3 CR. HRS.
- ARCH 203 INTRODUCTION TO THE HISTORY OF ARCHITECTURE 3 CR. HRS.

**ELECTIVE COURSES:**
- ARCH 139 ARCHITECTURAL FREEHAND DRAWING II*** 2 CR. HRS.
- ARCH 138 ARCHITECTURAL FREEHAND DRAWING I*** 2 CR. HRS.
- ARCH 132 ARCHITECTURAL CONSTRUCTION II*** 4 CR. HRS.
- APPROVED ELECTIVES*** 3 CR. HRS.

* See specific requirements for Associate in Arts Degree.
** MATH 222 and (PHYS 120 or MATH 223). MATH 223 is required for students entering UIUC if pursuing M. ARCH Structures Options-see advisor
*** Architecture requirements vary by receiving institution and it is strongly recommended that you meet with your advisor and select appropriate electives based off your receiving institution. The recommended course sequence is designed to satisfy requirements for the first two years at the University of Illinois Urbana-Champaign School of Architecture. Students who complete this sequence and are admitted to the University of Illinois typically enter as juniors. Other electives include ARCTK 255; ARCH 204; ARCH 111; and ARCH 112.

Recommended Course Sequence:
1st Semester: ARCH 110; ARCH 137; ARCH 138; ENGL 110; Fine Arts; Social Science
2nd Semester: ARCH 131; ARCH 139; ENGL 111; MATH 222; COMM 110
3rd Semester: ARCH 132; ARCH 201; ARCH 203; HIST 111 or HIST 112; PHYS 120
4th Semester: ARCH 202; Life Science; HIST 117 or HIST 118; Social Science; Humanities/Fine Arts

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

**Total Credit Hours:** 60 to 64

**Program Information:** The Art area of study provides the basic general education requirements and art courses for students planning to transfer to a four-year institution to earn a baccalaureate degree. Art students should keep in constant preparation a portfolio of their work. It is often from these works that class placement is determined when transferring to a four-year institution.

**Additional Program Info:** Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

**Contact Information:**
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

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## Art

### GENERAL COURSES:

- **ENGL 110** COMPOSITION I 3 CR. HRS.
- **ENGL 111** COMPOSITION II 3 CR. HRS.
- **COMM 110** COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- **SOCIAL SCIENCE** 9 CR. HRS.
- **MATHEMATICS** 3 CR. HRS.
- **LIFE SCIENCE** 4 CR. HRS.
- **PHYSICAL SCIENCE** 3 CR. HRS.
- **ART 150** ART HISTORY I 3 CR. HRS.
- **ART 151** ART HISTORY II 3 CR. HRS.
- **HUMANITIES** 3 CR. HRS.

**PROGRAM COURSES:**

- **ART 111** 2D DESIGN 3 CR. HRS.
- **ART 112** 3D DESIGN 3 CR. HRS.
- **ART 120** DRAWING I 3 CR. HRS.
- **ART 121** FIGURE DRAWING I 3 CR. HRS.
- **ART 200** PAINTING I 3 CR. HRS.
- **ART 222** ADVANCED DRAWING 3 CR. HRS.

**ELECTIVE COURSES:**

- **ART ELECTIVES** 6 CR. HRS.

* See specific requirements for Associate in Arts Degree.

**Art electives:** ART 140, 201, 204, 206, 210, and 221.

**Recommended Course Sequence:**
1st Semester: ART 111; ART 120; ART 150; ENGL 110; Life Science
2nd Semester: ART 112; ART 222; ART 151; ENGL 111; Physical Science
3rd Semester: ART 121; ART 200; Art Elective; Social Science; Social Science
4th Semester: Art Electives; COMM 110; Social Science; Humanities; Mathematics

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For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: Students identified as biological science majors take two years of basic work, followed by a major in a specific area of interest. Many occupations depend on an interest in and an aptitude for life science, including: forester, biochemist, biologist, fish and wildlife service, zoologist, botanist, ecologist, oceanographer, teacher, pharmacologist, etc. Biology majors are usually interested in the study of organisms and life functions, and have a great interest in the natural world. Topics pursued range from subcellular particles to vast populations. Since each living organism is part of a larger interacting system, biology is intertwined with other important fields of study. Knowledge of biology is centered on understanding much of the world and life around us.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Biology

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110 or COMM 212  COMMUNICATION: PROCESS AND PRACTICE PUBLIC SPEAKING  3 CR. HRS.
- SOCIAL SCIENCE*  9 CR. HRS.
- MATH 222  CALCULUS AND ANALYTIC GEOMETRY I  5 CR. HRS.
- MATH 223 or MATH 211  CALCULUS AND ANALYTIC GEOMETRY II STATISTICAL ANALYSIS  4 CR. HRS.
- BIOL 160  BIOPRINCIPLES I  4 CR. HRS.
- CHEM 130  GENERAL CHEMISTRY  4 CR. HRS.
- HUMANITIES/FINE ARTS*  9 CR. HRS.

PROGRAM COURSES:
- BIOL 161  BIOPRINCIPLES II  4 CR. HRS.
- CHEM 132  GENERAL CHEMISTRY  4 CR. HRS.
- CHEM 220  ORGANIC CHEMISTRY  5 CR. HRS.
- CHEM 230  ORGANIC CHEMISTRY  4 CR. HRS.
- PHYS 120  GENERAL PHYSICS  5 CR. HRS.
- PHYS 121  GENERAL PHYSICS  5 CR. HRS.

* See specific requirements for Associate in Science degree.

Recommended Course Sequence:
1st Semester: BIOL 160; CHEM 130; MATH 222; ENGL 110
2nd Semester: BIOL 161; CHEM 132; MATH 223 or MATH 211; ENGL 111; Social Science
3rd Semester: CHEM 220; PHYS 120; COMM 110 or COMM 212; Humanities; Social Science
4th Semester: CHEM 230; PHYS 121; Social Science; Humanities/Fine Arts; Fine Arts

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: The Business Administration area of study is for students intending to transfer to a four-year institution to pursue a bachelor’s degree in business-oriented fields such as general management, marketing, advertising, finance, and production management. Students have obtained successful business careers with firms such as Caterpillar Inc., General Electric, Proctor and Gamble, and IBM. Illinois Central College has special articulation agreements with many four-year institutions insuring transfer of course work. PLEASE CONTACT AN ACADEMIC ADVISOR REGARDING THESE AGREEMENTS. Specialty courses in the student’s major are usually taken at the transfer institution during the junior and senior years.

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

To Remain in and Graduate From the Program: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Business Administration

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- ECON 111 PRINCIPLES OF MICROECONOMICS 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 115 COLLEGE ALGEBRA** 4 CR. HRS.
- MATH 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES*** 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3-4 CR. HRS.

PROGRAM COURSES:

- ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- ACCTG 121 MANAGERIAL ACCOUNTING 4 CR. HRS.
- BUS 110 or BUS 111 INTRODUCTION TO BUSINESS INTERNATIONAL BUSINESS 3 CR. HRS.
- BUS 203 BUSINESS STATISTICS 4 CR. HRS.
- BUS 215 LEGAL ENVIRONMENT OF BUSINESS 3 CR. HRS.

* See specific requirements for Associate in Science Degree.
** The appropriate mathematics sequence is contingent on the individual.
*** 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.

Recommended Course Sequence:
1st Semester: ENGL 110; ACCTG 120; MATH 115; BUS 110 or BUS 111; Humanities
2nd Semester: ENGL 111; ACCTG 121; MATH 135; Social Science; Fine Arts
3rd Semester: ECON 110; BUS 215; Humanities/Fine Arts; Physical Science
4th Semester: ECON 111; COMM 110; BUS 203; Life Science

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: The Chemistry area of study is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. During the first two years, students concentrate on building a strong foundation in the sciences and mathematics. The chemistry curriculum is sufficiently flexible to meet the needs of students with the following goals: (1) industrial research and development, (2) environmental research, (3) liberal arts background for medical and allied health professions, (4) secondary teaching of chemistry, or (5) chemical engineering.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Chemistry

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE* 9 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:
- CHEM 132 GENERAL CHEMISTRY 4 CR. HRS.
- CHEM 210 FUNDAMENTALS OF ANALYTICAL CHEMISTRY 4 CR. HRS.
- CHEM 220 ORGANIC CHEMISTRY 5 CR. HRS.
- CHEM 230 ORGANIC CHEMISTRY 4 CR. HRS.
- PHYS 211 ENGINEERING PHYSICS: MECHANICS 4 CR. HRS.

ELECTIVE COURSES:
- PHYS 212 ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM 4 CR. HRS.
- PHYS 213 ENGINEERING PHYSICS: THERMODYNAMICS 2 CR. HRS.
- MATH 224 CALCULUS AND ANALYTIC GEOMETRY III 4 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: CHEM 130; MATH 222; ENGL 110; Social Science; Humanities
2nd Semester: CHEM 132; MATH 223; ENGL 111; PHYS 211; Fine Arts
Summer Semester 1: Social Science; Social Science
3rd Semester: CHEM 220; PHYS 212; MATH 224; Life Science
4th Semester: CHEM 210; CHEM 230; COMM 110; PHYS 213; Humanities/Fine Arts

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

Total Credit Hours: 60 to 64

Program Information: Communications is the most significant tool of humankind. In various forms, communication is all around us and constitutes the basis for all human interaction. Courses at Illinois Central College are designed to allow the student to explore both the practical and creative natures of communication as it relates to the world in which we live. Illinois Central College provides two approaches to the study of communication - the General Communication Option, and the Public Relations Option. As a natural outgrowth and extension of communication classes, Illinois Central College’s Forensic Union/Speech Team offers interested students the opportunity to participate in an intercollegiate forensic program, which has achieved several national championships. Students completing the Public Relations Option should consider elective courses in business, marketing, or political science.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

# Communication - General Communication

## GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 111 GENERAL EDUCATION STATISTICS 3 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.

## PROGRAM COURSES:
- COMM 113 BUSINESS AND PROFESSIONAL SPEAKING 3 CR. HRS.
- COMM 115 INTRODUCTION TO PUBLIC RELATIONS 3 CR. HRS.
- COMM 120 INTERPERSONAL COMMUNICATION 3 CR. HRS.
- COMM 203 COMMUNICATION: GROUP DYNAMICS 3 CR. HRS.
- COMM 204 INTERCULTURAL COMMUNICATION 3 CR. HRS.
- COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- COMM 245 INTRODUCTION TO COMMUNICATION THEORY 3 CR. HRS.
- MCOMM 113 INTRODUCTION TO RADIO, TV, AND EMERGING MEDIA 3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: COMM 110; COMM 120; Social Science; COMM 245; Fine Arts
2nd Semester: MCOMM 113; COMM 203; ENGL 110; Life Science
3rd Semester: COMM 115; COMM 113; COMM 212; Physical Science; Social Science; ENGL 111
4th Semester: COMM 204; Social Science; Humanities; Fine Arts; MATH 111
Associate in Arts

Total Credit Hours: 60 to 64

Program Information: Communications is the most significant tool of humankind. In various forms, communication is all around us and constitutes the basis for all human interaction. Courses at Illinois Central College are designed to allow the student to explore both the practical and creative natures of communication as it relates to the world in which we live. Illinois Central College provides two approaches to the study of communication the General Communication Option, and the Public Relations Option. As a natural outgrowth and extension of communication classes, Illinois Central College's Forensic Union/ Speech Team offers interested students the opportunity to participate in an intercollegiate forensic program, which has achieved several national championships. Students completing the Public Relations Option should consider elective courses in business, marketing, or political science.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

Communication - Public Relations

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- POLSC 115 AMERICAN NATIONAL GOVERNMENT 3 CR. HRS.
- or SSC 111 AMERICANS AND THEIR CULTURE 3 CR. HRS.
- MATH 111 GENERAL EDUCATION STATISTICS 3 CR. HRS.
- LIFE SCIENCE* 3-4 CR. HRS.
- PHYSICAL SCIENCE* 3-4 CR. HRS.
- HUMAN 125 CONTEMPORARY HUMANITIES 3 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:

- BUS 110 INTRODUCTION TO BUSINESS 3 CR. HRS.
- or MKTG 112 PRINCIPLES OF MARKETING 3 CR. HRS.
- COMM 115 INTRODUCTION TO PUBLIC RELATIONS 3 CR. HRS.
- or COMM 120 INTERPERSONAL COMMUNICATION 3 CR. HRS.
- or COMM 113 BUSINESS AND PROFESSIONAL SPEAKING 3 CR. HRS.
- COMM 204 INTERCULTURAL COMMUNICATION 3 CR. HRS.
- or COMM 203 COMMUNICATION: GROUP DYNAMICS 3 CR. HRS.
- COMM 248 SPECIAL TOPICS IN PUBLIC RELATIONS 1-3 CR. HRS.
- COMM 255 COMMUNICATION INTERNSHIP II 1-3 CR. HRS.
- MCOMM 113 INTRODUCTION TO RADIO, TV, AND EMERGING MEDIA 3 CR. HRS.

ELECTIVE COURSES:

- ELECTIVE 1 CR. HR.

* See specific requirements for Associate in Arts Degree

Recommended Course Sequence:
1st Semester: COMM 110; COMM 120 or COMM 113; ENGL 110; PSY 110; Fine Arts
2nd Semester: COMM 115; COMM 204 or COMM 203; ENGL 111; MATH 111; Physical Science
3rd Semester: MCOMM 113; BUS 110 or MKTG 112; Social Science; Life Science; Fine Arts
4th Semester: COMM 248; HUMAN 125; SSC 111 or POLSC 115; COMM 255; Elective
Associate in Science

Total Credit Hours: 60 to 64

Program Information: This area of study is designed for people planning to transfer to a four-year college or university for completion of a baccalaureate degree in Computer Science with an Information Systems emphasis. The baccalaureate degree prepares the student for careers in computer programming, systems analysis, and (with experience) management positions in computer information systems.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 205
(309) 694-5558

Computer Information Systems - Business Emphasis

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- ECON 111 PRINCIPLES OF MICROECONOMICS 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 115 COLLEGE ALGEBRA 4 CR. HRS.
- MATH 122 DISCRETE MATHEMATICS I 3 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:
- ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- CMPSC 120 BUSINESS COMPUTER SYSTEMS 3 CR. HRS.
- CMPSC 125 or CMPSC 135 CS I: PROGRAMMING IN C++ 3 CR. HRS.
- CMPSC 212 or CMPSC 235 CS II: ADVANCED PROGRAMMING IN C++ 3 CR. HRS.
- MATH 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES 4 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVE 3 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; ECON 110; MATH 115; CMPSC 120; CMPSC 125 or CMPSC 135
2nd Semester: ENGL 111; ECON 111; MATH 135; CMPSC 212 or CMPSC 235; COMM 110
3rd Semester: ACCTG 120; Physical Science; Fine Arts; Humanities; Approved Elective
4th Semester: MATH 122; Life Science; Humanities/Fine Arts; Social Science

For the most up-to-date program requirements, go online to the College catalog: 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 - Technical Emphasis

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 122 DISCRETE MATHEMATICS I 3 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:
- CMPSC 125 or 212 or CMPSC 235
  CS I: PROGRAMMING IN C++ 3 CR. HRS.
  CS II: ADVANCED PROGRAMMING IN C++
  or CS II: ADVANCED PROGRAMMING IN JAVA
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- MATH 224 CALCULUS AND ANALYTIC GEOMETRY III 4 CR. HRS.
- PHYS 211 ENGINEERING PHYSICS: MECHANICS 4 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; MATH 222; CMPSC 125 or 135; CHEM 130
2nd Semester: ENGL 111; MATH 223; CMPSC 212 or 235; Life Science; PHYS 211
Summer Semester 1: Social Science
3rd Semester: COMM 110; Humanities; Social Science; MATH 224
4th Semester: MATH 122; Humanities/Fine Arts; Social Science; Fine Arts

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: This area of study is designed for students intending to prepare for a career in the criminal justice field. The area of study may prepare the student for employment in some areas of the field; however, many of the employment opportunities in the criminal justice field require a four-year degree. Students desiring to transfer should work very closely with their advisors.

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

Admission To the Program: Students must complete basic skills placement testing before admission into this program. Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

To Remain in and Graduate From the Program: Students must meet each semester with their assigned academic advisor to plan a course schedule that meets student needs and fulfills program requirements.

Contact Information:
Social Sciences and Public Services
North Campus
Room P117
(309) 690-7691

Criminal Justice

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- POLSC 115 AMERICAN NATIONAL GOVERNMENT 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:

- CRJ 110 INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM 3 CR. HRS.
- CRJ 114 INTRODUCTION TO CORRECTIONS 3 CR. HRS.
- CRJ 118 JUVENILE DELINQUENCY 3 CR. HRS.
- CRJ 225 CRIMINAL LAW 3 CR. HRS.
- POLSC 119 STATE AND LOCAL GOVERNMENT 3 CR. HRS.
- SOC 210 INTRODUCTION TO CRIMINOLOGY 3 CR. HRS.

ELECTIVE COURSES:

- ELECTIVE** 3 CR. HRS.

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

Recommended Course Sequence:
1st Semester: CRJ 110; CRJ 118; SOC 110; ENGL 110; POLSC 119
2nd Semester: CRJ 114; ENGL 111; PSY 110; Fine Arts; Elective
Summer Semester 1: COMM 110
3rd Semester: POLSC 115; Humanities; Life Science; Mathematics
4th Semester: CRJ 225; SOC 210; Humanities/Fine Arts; Mathematics; Physical Science

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

**Total Credit Hours:** 60 to 64

**Program Information:** The dance area of study, leading to an Associate in Arts degree, is designed for students planning to transfer to a four-year university to major in dance after four semesters at Illinois Central College.

**To Remain in and Graduate From the Program:**
Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

**Contact Information:**
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

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### Dance

#### GENERAL COURSES:
- **ENGL 110** COMPOSITION I  
  3 CR. HRS.  
- **ENGL 111** COMPOSITION II  
  3 CR. HRS.  
- **ENGL 111** COMMUNICATIONS*  
  3 CR. HRS.  
- **ENGL 111** SOCIAL SCIENCE*  
  9 CR. HRS.  
- **ENGL 111** MATHEMATICS*  
  3 CR. HRS.  
- **ENGL 111** LIFE SCIENCE/PHYSICAL SCIENCE*  
  7 CR. HRS.  
- **DANCE 115** APPRECIATION OF DANCE  
  3 CR. HRS.  
- **DANCE 115** HUMANITIES*  
  3 CR. HRS.  
- **DANCE 115** HUMANITIES/FINE ARTS*  
  3 CR. HRS.

#### PROGRAM COURSES:
- **DANCE 110** BEGINNING TECHNIQUES OF CLASSICAL BALLET  
  2 CR. HRS.  
- **DANCE 120** INTERMEDIATE TECHNIQUES OF CLASSICAL BALLET  
  2 CR. HRS.  
- **DANCE 130** JAZZ DANCE I  
  1 CR. HR.  
- **DANCE 140** MODERN DANCE I  
  1 CR. HR.  
- **DANCE 160** MUSICAL THEATRE DANCE  
  1 CR. HR.  
- **DANCE 210** ADVANCED TECHNIQUES OF CLASSICAL BALLET  
  2 CR. HRS.  
- **DANCE 211** ADVANCED TECHNIQUES OF CLASSICAL BALLET II  
  2 CR. HRS.  
- **MUS 136** MUSIC FUNDAMENTALS**  
  3 CR. HRS.  
- **THTRE 113** INTRODUCTION TO TECHNICAL THEATRE  
  3 CR. HRS.  
- **THTRE 115** STAGE MAKEUP  
  2 CR. HRS.  
- **THTRE 122** ACTING I  
  3 CR. HRS.

#### ELECTIVE COURSES:
- **ELECTIVE***  
  1 CR. HR.

* See specific requirements for Associate in Arts Degree.
** Student may enroll in MUS170/180 in lieu of MUS136 depending upon musical skill.
*** As needed to meet the 60 credit hour requirement

**Recommended Course Sequence:**
1st Semester: **DANCE 110; DANCE 130; DANCE 115; ENGL 110; Communications; Mathematics**
2nd Semester: **DANCE 120; DANCE 160 or Elective; DANCE 140; ENGL 111; Physical Science; Social Science; Social Science**
3rd Semester: **DANCE 210; Humanities/Fine Arts; THTRE 113; Social Science; MUS 136; THTRE 122**
4th Semester: **DANCE 211; DANCE 160 or Elective; THTRE 115; Humanities; Life Science**

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For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 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. They also counsel individuals and groups on nutritional practices, supervise food service personnel and large scale meal planning, and preparation in health care facilities, industrial cafeterias, prisons and schools, oversee food purchases, and participate in dietetic research and education.

Additional Program Info: The student is encouraged to select electives that will provide additional expertise in math, business, economics, marketing and accounting. (Only transferable courses numbered 110 or higher will apply towards the 60 credit hours graduation degree requirements.)

Admission To the Program: The student enrolling in this curriculum should have academic placement test scores for reading at a college level. Completion of high school algebra and geometry, and/or placement test scores into MATH 110 at Illinois Central College are favorable. High school recommendations include 2 to 3 years laboratory science, including biology and chemistry; 3 to 4 years English; 1 year algebra and 1 year geometry with grade averages of “C” or better in each of these high school courses.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. To become a Registered Dietitian (RD), a four-year degree in Dietetics/Nutrition is required. The 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. These internships are highly competitive and therefore require the student to maintain a good grade point average to make himself/herself more marketable. Once the internship is completed, the student is then eligible to take the Academy of Nutrition and Dietetics’ registration examination.

Contact Information:
Agricultural and Industrial Technologies Department
Dietetics Program
East Peoria Campus
A/T Building
Room 118
Telephone: Last name
(A-L) (309) 694-5117
(M-Z) (309) 694-5496

Dietetics

GENERAL COURSES:

- FINE ARTS*
  3 CR. HRS.
- HUMANITIES*
  3 CR. HRS.
- HUMANITIES/FINE ARTS*
  3 CR. HRS.
- MATHEMATICS**
  3 CR. HRS.
- MATHEMATICS**
  3 CR. HRS.
- SOCIAL SCIENCE**
  3 CR. HRS.
- SOCIAL SCIENCE**
  3 CR. HRS.
- COMM 110
  COMMUNICATION: PROCESS AND PRACTICE
  3 CR. HRS.
- ENGL 110
  COMPOSITION I
  3 CR. HRS.
- ENGL 111
  COMPOSITION II
  3 CR. HRS.
- PSY 110
  INTRODUCTION TO PSYCHOLOGY
  3 CR. HRS.
- CHEM 120
  PRINCIPLES OF CHEMISTRY I
  4 CR. HRS.
- BIOL 205
  PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I
  4 CR. HRS.

PROGRAM COURSES:

- FCS 120
  PRINCIPLES OF NUTRITION
  3 CR. HRS.
- BIOL 206
  PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II
  4 CR. HRS.
- BIOL 210
  MICROBIOLOGY
  4 CR. HRS.

ELECTIVE COURSES:

- APPROVED ELECTIVES***
  8-9 CR. HRS.

** See specific requirements for Associate in Science Degree.

** 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.

Recommended Course Sequence:
1st Semester: ENGL 110; COMM 110; PSY 110; Mathematics; CHEM 120
2nd Semester: ENGL 111; Humanities; Mathematics; Social Science; BIOL 205
Summer Semester 1: Electives
3rd Semester: Fine Arts; Social Science; BIOL 206; Elective
4th Semester: Humanities/Fine Arts; BIOL 210; FCS 120; Elective

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: The Economics area of study is designed for students transferring to a four-year college or university for completion of a baccalaureate degree. Students should concentrate on building a strong foundation in mathematics, the social sciences, and the humanities.

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

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

Economics

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- ECON 110  PRINCIPLES OF MACROECONOMICS  3 CR. HRS.
- ECON 111  PRINCIPLES OF MICROECONOMICS  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATH 222  CALCULUS AND ANALYTIC GEOMETRY I
  or  MATH 134  FINITE MATH  4 CR. HRS.
- MATH 223  CALCULUS AND ANALYTIC GEOMETRY II
  or  MATH 135  CALCULUS FOR BUSINESS AND SOCIAL SCIENCES  4 CR. HRS.
- LIFE SCIENCE  4 CR. HRS.
- PHYSICAL SCIENCE*  4 CR. HRS.
- FINE ARTS*  3-4 CR. HRS.
- HUMANITIES*  3 CR. HRS.
- HUMANITIES/FINE ARTS*  3-4 CR. HRS.

PROGRAM COURSES:
- ACCTG 120  FINANCIAL ACCOUNTING  4 CR. HRS.
- BUS 203  BUSINESS STATISTICS
  or  MATH 211  STATISTICAL ANALYSIS  4 CR. HRS.
- COMPUTER COURSE (TRANSFER)  3 CR. HRS.

ELECTIVE COURSES:
- ELECTIVES  9-11 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; MATH 222 or MATH 134; Social Science; Physical Science; Humanities
2nd Semester: ENGL 111; MATH 223 or MATH 135; Fine Arts; Life Science
3rd Semester: ECON 110; COMM 110; Computer Course (Transfer); Humanities/Fine Arts; Elective
4th Semester: ECON 111; BUS 203 or MATH 211; ACCTG 120; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Science**

**Total Credit Hours:** 60 to 64

**Program Information:** Requirements for admissions to four-year colleges and universities vary a great deal. However, Illinois Central College has articulated requirements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Science Degree. Hence, students who comply with the terms of such articulation agreements may expect to complete baccalaureate requirements within the same period of time as if they had spent their entire academic career on the campus of the institution to which they transfer.

**To Remain in and Graduate From the Program:** Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

**Contact Information:**
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

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**Education (Elementary)**

**GENERAL COURSES:**

- **ENGL 110** COMPOSITION I 3 CR. HRS.
- **ENGL 111** COMPOSITION II 3 CR. HRS.
- **COMM 110** COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- **HIST 201** AMERICAN HISTORY TO 1877 3 CR. HRS.
  or **HIST 202** AMERICAN HISTORY SINCE 1877 3 CR. HRS.
- **POLSC 115** AMERICAN NATIONAL GOVERNMENT 3 CR. HRS.
- **PSY 110** INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- **PSY 202** CHILD AND ADOLESCENT DEVELOPMENT 3 CR. HRS.
- **MATH 115** COLLEGE ALGEBRA 4 CR. HRS.
- **MATH 190** MATHEMATICAL REASONING FOR THE ELEMENTARY TEACHER I 4 CR. HRS.
  or **MATH 200** MATHEMATICS FOR ELEMENTARY TEACHERS I** 4 CR. HRS.
- **MATH 201** MATHEMATICS FOR ELEMENTARY TEACHERS II 3 CR. HRS.
- **LIFE SCIENCE (BIOL)* 4 CR. HRS.
- **PHYSICAL SCIENCE* 4 CR. HRS.
- **ART 110** ART APPRECIATION 3 CR. HRS.
- **INTST 132** LATIN AMERICAN HUMANITIES 3 CR. HRS.
  or **INTST 133** CULTURES AND CIVILIZATIONS OF SUB-SAHARAN AFRICA 3 CR. HRS.
- **MUS 148** INTRODUCTION TO JAZZ 3 CR. HRS.
  or **MUS 150** MUSIC APPRECIATION 3 CR. HRS.

**PROGRAM COURSES:**

- **EDUC 111** INTRODUCTION TO AMERICAN EDUCATION 3 CR. HRS.
- **EDUC 211** INTRODUCTION TO THE EXCEPTIONAL INDIVIDUAL 3 CR. HRS.
- **EDUC 212** FIELD EXPERIENCE IN EDUCATION 2 CR. HRS.
- **PSY 200** EDUCATIONAL PSYCHOLOGY 3 CR. HRS.

**ELECTIVE COURSES:**

- **CHILD 231** LITERATURE FOR CHILDREN 3 CR. HRS.

* See specific requirements for Associate in Science Degree.
** Students transferring to Illinois State University need to complete MATH 190 instead of MATH 200.

**Recommended Course Sequence:**

1st Semester: **ENGL 110**; **PSY 110**; **EDUC 111**; Life Science (BIOL); **ART 110**
2nd Semester: **ENGL 111**; **PSY 202**; **INTST 132** or **INTST 133**; **EDUC 212**; **MATH 115**
3rd Semester: **COMM 110**; **HIST 201** or **HIST 202**; **MATH 190** or **MATH 200**; **EDUC 211**; **CHILD 231**
4th Semester: **MUS 148** or **MUS 150**; **POLSC 115**; **MATH 201**; Physical Science; **PSY 200**

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: Requirements for admission to four-year colleges and universities vary a great deal. However, Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Science Degree. Hence, students who comply with the terms of such articulation agreements may expect to complete baccalaureate requirements within the same period of time as if they had spent their entire academic career on the campus of the institution to which they transfer.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

Education (Secondary)

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- HIST 201  AMERICAN HISTORY TO 1877  3 CR. HRS.
  or  HIST 202  AMERICAN HISTORY SINCE 1877  3 CR. HRS.
- POLSC 115  AMERICAN NATIONAL GOVERNMENT  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
- LIFE SCIENCE*  4 CR. HRS.
- PHYSICAL SCIENCE*  4 CR. HRS.
- MATHEMATICS (Group I)  3 CR. HRS.
- MATHEMATICS**  3-4 CR. HRS.
- INTST 132  LATIN AMERICAN HUMANITIES  3 CR. HRS.
  or  INTST 133  CULTURES AND CIVILIZATIONS OF SUBSAHARAN AFRICA  3 CR. HRS.
- FINE ARTS*  3 CR. HRS.
- HUMANITIES/FINE ARTS*  3 CR. HRS.

PROGRAM COURSES:
- EDUC 111  INTRODUCTION TO AMERICAN EDUCATION  3 CR. HRS.
- EDUC 211  INTRODUCTION TO THE EXCEPTIONAL INDIVIDUAL  3 CR. HRS.
- EDUC 212  FIELD EXPERIENCE IN EDUCATION  2 CR. HRS.
- PSY 200  EDUCATIONAL PSYCHOLOGY  3 CR. HRS.
- PSY 202  CHILD AND ADOLESCENT DEVELOPMENT  3 CR. HRS.

ELECTIVE COURSES:
- ELECTIVES**  6 CR. HRS.

* See specific requirements for Associate in Science Degree.
** Second math course can come from either Group 1 or Group 2.

Recommended Course Sequence:
1st Semester: ENGL 110; PSY 110; EDUC 111; POLSC 115; Fine Arts
2nd Semester: ENGL 111; INTST 132 or INTST 133; EDUC 212; Life Science; PSY 202
3rd Semester: COMM 110; HIST 201 or HIST 202; Humanities/Fine Arts; Mathematics; Physical Science
4th Semester: EDUC 211; PSY 200; Mathematics; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: Requirements for admission to four-year colleges and universities vary a great deal. Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Science Degree.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

Education (Special)

GENERAL COURSES:
- **ENGL 110** COMPOSITION I 3 CR. HRS.
- **ENGL 111** COMPOSITION II 3 CR. HRS.
- **COMM 110** COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- **PSY 110** INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- **PSY 202** CHILD AND ADOLESCENT DEVELOPMENT 3 CR. HRS.
- **HIST 201** AMERICAN HISTORY TO 1877 3 CR. HRS.
- **HIST 202** AMERICAN HISTORY SINCE 1877 3 CR. HRS.
- **POLSC 115** AMERICAN NATIONAL GOVERNMENT 3 CR. HRS.
- **BIOL 110** LIFE SCIENCE 4 CR. HRS.
- **PHYSICAL SCIENCE** 4 CR. HRS.
- **MATHEMATICS (Group I)** 3 CR. HRS.
- **MATHEMATICS** 3-5 CR. HRS.
- **HUMANITIES** 3 CR. HRS.
- **FINE ARTS** 3 CR. HRS.
- **HUMANITIES/FINE ARTS** 3 CR. HRS.

PROGRAM COURSES:
- **EDUC 111** INTRODUCTION TO AMERICAN EDUCATION 3 CR. HRS.
- **EDUC 211** INTRODUCTION TO THE EXCEPTIONAL INDIVIDUAL 3 CR. HRS.
- **EDUC 212** FIELD EXPERIENCE IN EDUCATION 2 CR. HRS.
- **PSY 200** EDUCATIONAL PSYCHOLOGY 3 CR. HRS.

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

* Course selection depends on discipline and transfer institution
** Second math course can come from either Group 1 or Group 2.

Recommended Course Sequence:
1st Semester: ENGL 110; PSY 110; EDUC 111; POLSC 115; Fine Arts
2nd Semester: ENGL 111; PSY 202; EDUC 212; BIOL 110; HIST 201 or HIST 201
3rd Semester: COMM 110; Mathematics; Physical Science; EDUC 211; Humanities
4th Semester: PSY 200; Mathematics; Fine Arts or Humanities; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: The Engineering area of study at Illinois Central College is designed for students planning to transfer to a university for completion of a baccalaureate degree. During the two years at Illinois Central College, the student concentrates on building a strong foundation in the sciences and mathematics, and meets the requirements for the Associate in Science degree.

Additional Program info: Entry to many university engineering programs at the junior level requires additional engineering courses in the first two years. Students who complete the requirements for the Associate in Science degree may find that an additional year of study may be necessary after transferring if the engineering courses are not completed at ICC. Depending upon where a student is intending to transfer, it may be more beneficial to complete the Associate in Engineering Science Degree. All engineering students should meet with an engineering advisor as early as possible to determine which degree would be more beneficial.

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

Engineering

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE* 9 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- HUMANITIES/FINE ARTS* 9 CR. HRS.

PROGRAM COURSES:
- ENGR 110 INTRODUCTION TO ENGINEERING 1 CR. HRS.
- MATH 224 CALCULUS AND ANALYTIC GEOMETRY III 4 CR. HRS.
- MATH 250 DIFFERENTIAL EQUATIONS 3 CR. HRS.
- PHYS 211 ENGINEERING PHYSICS: MECHANICS 4 CR. HRS.
- PHYS 212 ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM 4 CR. HRS.
- PHYS 213 ENGINEERING PHYSICS: THERMODYNAMICS 2 CR. HRS.

* See specific requirements for the Associate in Science Degree.

Recommended Course Sequence:
1st Semester: MATH 222; CHEM 130; ENGL 110; ENGR 110; Humanities/Fine Arts
2nd Semester: MATH 223; PHYS 211; ENGL 111; Humanities/Fine Arts
3rd Semester: MATH 224; PHYS 212; COMM 110; Social Science; Humanities/Fine Arts
4th Semester: MATH 250; PHYS 213; Life Science; Social Science; Social Science

For the most up-to-date program requirements, go online to the College catalog: 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 Arts
Total Credit Hours: 60 to 64

Program Information: The English area of study is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. Students build a strong background in the humanities, writing, and literature. The English course of study is designed for students who have as educational goals: (1) teaching elementary or secondary language arts; (2) business writing, advertising, publishing, or editorial work; (3) pre-professional majors, especially law; (4) undecided college transfer plans; or (5) self-improvement in the areas of reading and writing.

Admission To the Program: English majors should complete four years of high school English.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
English, Humanities, and Language Studies Department
East Peoria Campus
Room 315B
(309) 694-5342

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English

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATHEMATICS*  3-4 CR. HRS.
- PHYSICAL SCIENCE*  3-4 CR. HRS.
- LIFE SCIENCE*  3-4 CR. HRS.
- INTERMEDIATE FOREIGN LANGUAGE II**  4 CR. HRS.
- FINE ARTS*  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.

PROGRAM COURSES:
- ELEMENTARY FOREIGN LANGUAGE I  4 CR. HRS.
- ELEMENTARY FOREIGN LANGUAGE II  4 CR. HRS.
- INTERMEDIATE FOREIGN LANGUAGE I  4 CR. HRS.
- LITERATURE***  3 CR. HRS.
- LITERATURE***  3 CR. HRS.
- LIT 110 or LIT 111  INTRODUCTION TO LITERATURE  3 CR. HRS.
- THE SHORT STORY AND THE NOVEL  3 CR. HRS.

ELECTIVE COURSES:
- ELECTIVE  1 CR. HR.

** See specific requirements for Associate in Arts degree.
*** Must be a 200-level Literature course.

Recommended Course Sequence:
1st Semester: ENGL 110; Foreign Language I; PSY 110; Mathematics; Humanities; Life Science
2nd Semester: ENGL 111; Foreign Language II; Physical Science; LIT 110 or LIT 111
3rd Semester: Intermediate Foreign Language I; Social Science; COMM 110; Literature; Science
4th Semester: Intermediate Foreign Language II; Social Science; Literature; Fine Arts
Program Information: The Environmental Science area of study at Illinois Central College is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. During the two years at Illinois Central College, the student concentrates on building a strong foundation in the sciences and mathematics, and meets the requirements for the Associate in Science degree. The Environmental Science program is designed to prepare the student for a wide range of career opportunities. In addition to the positions traditionally available in laboratories that engage in environmental testing, professional careers exist within governmental agencies, including: (1) state and national departments of the EPA; (2) local and state planning departments; (3) state geological and natural history surveys; (4) the National Park Service; (5) soil and water conservation districts; (6) local and state health departments; (7) U.S. Geological Survey; (8) Departments of Natural Resources; and (9) OSHA. Further, various privately funded organizations maintain a staff of professionally trained environmental scientists.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Environmental Science

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- BIO 160 BIOPRINCIPLES I 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- MATH 211 STATISTICAL ANALYSIS 4 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- HUMANITIES/FINE ARTS* 9 CR. HRS.

PROGRAM COURSES:
- BIO 161 BIOPRINCIPLES II 4 CR. HRS.
- CHEM 132 GENERAL CHEMISTRY 4 CR. HRS.
- CHEM 220 ORGANIC CHEMISTRY 5 CR. HRS.
- CHEM 230 ORGANIC CHEMISTRY 5 CR. HRS.
- PHYSC 110 ENERGY AND ENVIRONMENT 4 CR. HRS.
- BIO 114 ENVIRONMENTAL BIOLOGY 4 CR. HRS.
* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: BIO 114; PHYSC 110; ENGL 110; MATH 222
2nd Semester: BIO 160; CHEM 130; MATH 211; ENGL 111
Summer Semester 1: CHEM 132
3rd Semester: CHEM 220 or PHY 120; COMM 110 or COMM 212; Humanities; Social Science; ECON 110
4th Semester: BIO 161; CHEM 230 or PHY 121; Social Science; Fine Arts; Humanities/Fine Arts

For the most up-to-date program requirements, go online to the College catalog: 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 Science
Total Credit Hours: 60 to 64

Program Information: The Family and Consumer Sciences area of study has been planned to allow students to readily transfer into the junior year at a four-year institution. Possible careers in the field include education, foods and nutrition, consumerism, fashion design, and fashion merchandising. The suggested course outline is designed to satisfy the freshman and sophomore courses at most four-year universities. Students are encouraged to review the specific requirements of the program at the desired transfer institution.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. This degree program is also offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888, or icc.edu/Virtual-Campus.

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

Contact Information:
Agricultural and Industrial Technologies Department
Family and Consumer Sciences Program
East Peoria Campus
AIT Building
Room 118
Telephone: Last name
(A-L) (309) 694-5117
(M-Z) (309) 694-5496

Family and Consumer Sciences

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
- SOC 110  AN INTRODUCTION TO SOCIOLOGY  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- LIFE SCIENCE*  4 CR. HRS.
- PHYSICAL SCIENCE*  4 CR. HRS.
- FINE ARTS*  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.
- HUMANITIES/FINE ARTS*  3 CR. HRS.

PROGRAM COURSES:
- BUS 110  INTRODUCTION TO BUSINESS  3 CR. HRS.
- FCS 120  PRINCIPLES OF NUTRITION  3 CR. HRS.
- PSY 202  CHILD AND ADOLESCENT DEVELOPMENT  3 CR. HRS.
- SOC 120  MARRIAGE AND THE FAMILY  3 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVES**  7 CR. HRS.

* See specific requirements for Associate in Science Degree.
** 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.

Recommended Course Sequence:
1st Semester: ENGL 110, COMM 110, PSY 110, Mathematics, Humanities
2nd Semester: ENGL 111, Mathematics, SOC 110, Life Science, Fine Arts
3rd Semester: Physical Science, Social Science, Humanities/Fine Arts, BUS 110, FCS 120
4th Semester: PSY 202, SOC 120, Electives

For the most up-to-date program requirements, go online to the College catalog: 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 ARTS

Total Credit Hours: 60 to 64

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

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
English, Humanities, and Language Studies Department
East Peoria Campus
Room 315B
(309) 694-5342

Foreign Language

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- LITERATURE* 3 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- ELEMENTARY FOREIGN LANGUAGE II or INTERMEDIATE FOREIGN LANGUAGE II 4 CR. HRS.
- ELEMENTARY FOREIGN LANGUAGE I or INTERMEDIATE FOREIGN LANGUAGE I 4 CR. HRS.
- INTERMEDIATE FOREIGN LANGUAGE I or SECOND FOREIGN LANGUAGE I 4 CR. HRS.
- INTERMEDIATE FOREIGN LANGUAGE II** or SECOND FOREIGN LANGUAGE I 4 CR. HRS.
- SOCIAL SCIENCE 6 CR. HRS.

ELECTIVE COURSES:
- ELECTIVE 1 CR. HRS.

* See specific requirements for Associate in Arts Degree.
** Serves as a Humanities elective

Recommended Course Sequence:
1st Semester: Elementary Foreign Language I or Intermediate Foreign Language I; ENGL 110; Social Science; Life Science
2nd Semester: Elementary Foreign Language II or Intermediate Foreign Language II; ENGL 111; Social Science; Physical Science; Fine Arts
3rd Semester: Intermediate Foreign Language I or Second Foreign Language; COMM 110; PSY 110; Social Science; Mathematics
4th Semester: Intermediate Foreign Language II or Second Foreign Language; Literature; Social Science; Humanities, Elective

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: The Geography area of study is designed for students planning to transfer to a four-year college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in mathematics, earth and physical sciences, and social sciences. Geography is an integrating discipline that encourages the student to relate the various components of the physical and culturally created environments. This course sequence is sufficiently flexible to prepare students for a wide range of career choices. Specific possibilities include working with: (1) Geographic Information Systems, (2) businesses specializing in industrial and commercial location, (3) computer cartography, (4) remote sensing of environment, resources, and land use, and (5) agencies of the national, state, and local governments which require these skills.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: The Geology area of study at Illinois Central College is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. During the two years at Illinois Central College, the student concentrates on building a strong foundation in the sciences and mathematics, and meets the requirements for the Associate in Science degree. The Geology curriculum is designed to prepare the student for a wide range of career opportunities. In addition to the positions traditionally available in petroleum and coal production, professional careers exist with: (1) governmental agencies, including the U.S. Geologic Survey, state geological surveys, the National Park Service, the Coast and Geodetic Survey, and the Bureau of Mines, (2) planning organizations, (3) environmental agencies, (4) educational institutions, (5) museums, and (6) various industrial firms.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

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

Geology

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE or COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- SOCIAL SCIENCE* 9 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- BIOL 130 GENERAL ZOOLOGY 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- SOCIAL SCIENCE* 9 CR. HRS.

PROGRAM COURSES:
- CHEM 132 GENERAL CHEMISTRY 4 CR. HRS.
- PHYS 121 GENERAL PHYSICS 5 CR. HRS.
- PHYS 120 GENERAL PHYSICS 5 CR. HRS.
- EASC 116 INTRODUCTION TO GEOLOGY 4 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: EASC 116; CHEM 130; ENGL 110; MATH 222
2nd Semester: MATH 223; CHEM 132; ENGL 111; Social Science; Humanities
3rd Semester: PHYS 120; BIOL 130; Fine Arts; Social Science
4th Semester: PHYS 121; COMM 110 or COMM 212; Social Science; Humanities/Fine Arts
Associate in Arts

Total Credit Hours: 60 to 64

Program Information: The Graphic Design area of study prepares students interested in the concept, design, technologies, and practical aspects of visual communications creation and production. Industry professionals pursue graphic design careers in the related fields of advertising, communication, marketing, education, multimedia, and publishing. Completion of the Graphic Design area of study prepares the student planning to transfer to a baccalaureate degree program. Students intending to transfer to related programs are strongly advised to develop and maintain a creative portfolio, which partly determines acceptance and placement at most senior colleges and universities.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

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

Graphic Design

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMMUNICATION* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- ART 111 ART HISTORY I 3 CR. HRS.
- ART 115 ART HISTORY II 3 CR. HRS.
- ART 120 ART HISTORY III 3 CR. HRS.
- MATH 140 MULTIMEDIA PRODUCTION I 3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

PROGRAM COURSES:

- ART 120 2D DESIGN 3 CR. HRS.
- ART 151 DRAWING I 3 CR. HRS.
- GRDSN 140 ADVANCED GRAPHIC DESIGN I 3 CR. HRS.
- GRDSN 145 GRAPHIC DESIGN I 3 CR. HRS.
- GRDSN 142 TYPOGRAPHY 3 CR. HRS.
- GRDSN 150 GRAPHIC DESIGN II 3 CR. HRS.
- MM 140 MULTIMEDIA PRODUCTION I 3 CR. HRS.
- MM 142 DIGITAL PHOTOGRAPHY 3 CR. HRS.

Recommended Course Sequence:
1st Semester: GRDSN 140; ART 111; ENGL 110; Communication; MM 140
2nd Semester: GRDSN 140; GRDSN 150; ENGL 111; Physical Science; ART 120
3rd Semester: MM 142; ART 150; Humanities; Social Science; GRDSN 240
4th Semester: ART 151; Mathematics; Social Science; Social Science; Life Science
Associate in Science
Total Credit Hours: 60 to 64

Program Information: DENTAL HYGIENIST (BACCALAUREATE), PHYSICAL THERAPIST, MEDICAL TECHNOLOGIST, OCCUPATIONAL THERAPIST, NURSING (BACCALAUREATE), RADILOGIC TECHNOLOGIST**, MEDICAL RECORD ADMINISTRATOR. Requirements for admission to baccalaureate programs in the above paramedical professions vary considerably. For this reason, 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. The suggested course of studies listed below 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.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Health Career Professions

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOCIOL 110 SOCIAL SCIENCE* 3 CR. HRS.
- MATH 115 COLLEGE ALGEBRA 4 CR. HRS.
- MATH 211 STATISTICAL ANALYSIS MATHEMATICS* 3 CR. HRS.
- BIOL 130 GENERAL ZOOLOGY 4 CR. HRS.
- CHEM 120 PRINCIPLES OF CHEMISTRY I 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:
- BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I 4 CR. HRS.
- BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II 4 CR. HRS.
- CHEM 122 PRINCIPLES OF CHEMISTRY 4 CR. HRS.

ELECTIVE COURSES:
- ELECTIVES 10-11 CR. HR.

* See specific requirements for Associate in Science degree.
** 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.

Recommended Course Sequence:
1st Semester: ENGL 110; PSY 110; MATH 115; CHEM 120; Humanities
2nd Semester: ENGL 111; BIOL 130; MATH 211 or Approved Mathematics; BIOL 205
3rd Semester: CHEM 122; Humanities/Fine Arts; COMM 110; Social Science; Electives
4th Semester: BIOL 206; Fine Arts; Social Science; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

Total Credit Hours: 60 to 64

Program Information: The baccalaureate degree in history is designed to prepare students for a broad range of career opportunities. In addition to teaching, a history major is a preferred background for many careers: Law (a history B.A. is a preference of many law schools); federal, state and local government positions especially the Foreign Service, the National Park Service, and military careers; museum direction, library and archival work; the business fields of public relations and advertising; journalism and other media; and public policy and planning agencies. These fields are open to history graduates because their degree indicates to future employers they possess writing and research skills and a basic understanding of the world and its people.

Admission To the Program:
Two years of a foreign language may be required for an undergraduate degree in history and for entry into most law schools. Students should check with the school to which they intend to transfer.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

History

GENERAL COURSES:
- ENGL 110    COMPOSITION I    3 CR. HRS.
- ENGL 111    COMPOSITION II   3 CR. HRS.
- COMM 110    COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 110    PRINCIPLES OF MACROECONOMICS   3 CR. HRS.
- GEOG 113    WORLD REGIONAL GEOGRAPHY    3 CR. HRS.
- POLITICAL SCIENCE*  3 CR. HRS.
- MATHEMATICS*    3 CR. HRS.
- LIFE SCIENCE*    3-4 CR. HRS.
- PHYSICAL SCIENCE*   4 CR. HRS.
- INTRODUCTION TO PHILOSOPHY   3 CR. HRS.
- FINE ARTS*   3 CR. HRS.
- HUMANITIES***    3 CR. HRS.

PROGRAM COURSES:
- HISTORY**    12 CR. HRS.

ELECTIVE COURSES:
- ELECTIVES****    11 CR. HRS.

** See specific requirements for Associate in Arts Degree.
** HIST 117, 118, 201 and 202 are Social Science courses in the General Education core for the Associate in Arts Degree. (HIST 110, 125, 203, 204, 219 and 250 are History Electives that transfer but do not satisfy requirements in the General Education core.)
*** HIST 111 or 112 fulfills part of the Humanities/Fine Arts requirement for the Associate in Arts Degree.
**** Suggested Electives: ECON 111; GEOG 112, 114; LIT 110; INTST 130-134; PHIL 211; POLSC 115, 119, 122, 124; PSY 110; SOC 110, 114

Recommended Course Sequence:
1st Semester: ENGL 110; GEOG 113; Physical Science; History; Humanities
2nd Semester: ENGL 111; PHIL 110; Life Science; Mathematics; History
3rd Semester: COMM 110; ECON 110; History; Electives
4th Semester: Political Science; Fine Arts; History; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Arts
Total Credit Hours: 60 to 64

Program Information: Completion of the Interior Design area of study prepares students for residential and business design positions in the retail field. Study in this area affords opportunities in the commercial area of furniture, drapery, carpeting, home accessories, wallpaper, and paint stores.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. Four year programs that include Interior Design vary from institution to institution. Students must work closely with their advisor to satisfy any specific computer science requirements that are a part of the receiving institution's general education component.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

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

Interior Design

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
- SOC 110  AN INTRODUCTION TO SOCIOLOGY  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- LIFE SCIENCE*  3-4 CR. HRS.
- PHYSICAL SCIENCE*  3-4 CR. HRS.
- ART 151  ART HISTOIRY II  3 CR. HRS.
- FINE ARTS*  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.

PROGRAM COURSES:
- ART 111  2D DESIGN  3 CR. HRS.
- ART 120  DRAWING I  3 CR. HRS.
- BUS 110  INTRODUCTION TO BUSINESS  3 CR. HRS.
- INDSN 140  BASIC INTERIOR DESIGN  4 CR. HRS.
- INDSN 141  HISTORY OF FURNITURE AND FURNISHINGS  4 CR. HRS.
- MKTG 112  PRINCIPLES OF MARKETING  3 CR. HRS.
- ART ELECTIVE
  or  ARCHITECTURE ELECTIVE  3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: INDSN 140; ART 111; ENGL 110; BUS 110; ART 120
2nd Semester: INDSN 141; ART 151; ENGL 111; PSY 110; Life Science
3rd Semester: MKTG 112; COMM 110; Physical Science; Art Elective or Architecture Elective
4th Semester: BUS 200; SOC 110; Social Science; Mathematics; Humanities; Fine Arts
Associate in Science

Total Credit Hours: 60 to 64

Program Information: The International Business area of study is designed to provide the initial requisite background in business, integrating foreign language as a complementary crosscultural skill. After completing the Associate of Science degree at Illinois Central College, the student may complete a bachelor’s degree in International Business or related area at a senior institution, with the goal of employment with a multinational corporation and possible foreign assignment. Students enrolled in this sequence could be considering jobs in marketing, management, public relations, banking, foreign service, exporting and importing, and other related work.

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

Admission To the Program: Students are advised to check on foreign language requirements at senior institutions. Many institutions require students to have completed the 200-level of a foreign language.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information: Business, Hospitality, and Information Systems Department East Peoria Campus Technology Center Room 205 (309) 694-5558

International Business

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- ECON 111 PRINCIPLES OF MICROECONOMICS 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 115 COLLEGE ALGEBRA** 4 CR. HRS.
- MATH 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3-4 CR. HRS.
- HUMANITIES/FINE ARTS* 3-4 CR. HRS.

PROGRAM COURSES:

- ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- ACCTG 121 MANAGERIAL ACCOUNTING 4 CR. HRS.
- BUS 111 INTERNATIONAL BUSINESS 3 CR. HRS.
- BUS 203 BUSINESS STATISTICS 4 CR. HRS.
- BUS 215 LEGAL ENVIRONMENT OF BUSINESS 3 CR. HRS.

* See specific requirements for Associate in Science Degree.
** The appropriate mathematic sequence is contingent on the individual

Recommended Course Sequence:
1st Semester: ENGL 110; MATH 115; BUS 111; COMM 110; Fine Arts
2nd Semester: ENGL 111; MATH 135; Humanities; Humanities/Fine Arts
3rd Semester: ACCTG 120; ECON 110; BUS 215; Social Science; Life Science
4th Semester: ACCTG 121; ECON 111; BUS 203; Physical Science

For the most up-to-date program requirements, go online to the College catalog: 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.
### International Studies

**GENERAL COURSES:**
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- ECON 110  PRINCIPLES OF MACROECONOMICS  3 CR. HRS.
- HIST 117  EARLY WESTERN CIVILIZATION  3 CR. HRS.
  or  HIST 118  MODERN WESTERN CIVILIZATION  3 CR. HRS.
- POLSC 122  INTRODUCTION TO INTERNATIONAL RELATIONS  3 CR. HRS.
- MATH 110  MATHEMATICS*  3 CR. HRS.
- PSYCH 110  PSYCHOLOGY*  3 CR. HRS.
- PHYS 110  PHYSICAL SCIENCE*  4 CR. HRS.
- PHIL 112  COMPARATIVE RELIGIONS  3 CR. HRS.
- ART 112  FINE ARTS*  3 CR. HRS.
- INTERMEDIATE FOREIGN LANGUAGE II**  4 CR. HRS.

**PROGRAM COURSES:**
- ENGL 110  COMPOSITION I  3 CR. HRS.
- GEOG 116  GEOGRAPHY OF THE DEVELOPING WORLD  3 CR. HRS.
- HIST 111  EARLY WORLD CIVILIZATIONS  3 CR. HRS.
  or  HIST 112  MODERN WORLD CIVILIZATIONS  3 CR. HRS.
- IN TST 130  THE SOCIETY AND CULTURE OF CHINA  3 CR. HRS.
  or  IN TST 134  INTRODUCTION TO MIDDLE EASTERN CULTURES  3 CR. HRS.
- IN TST 132  LATIN AMERICAN HUMANITIES  3 CR. HRS.
  or  IN TST 133  CULTURES AND CIVILIZATIONS OF SUB-SAHARAN AFRICA  3 CR. HRS.
- POLSC 124  COMPARATIVE POLITICAL SYSTEMS  3 CR. HRS.

**ELECTIVE COURSES:**
- ELECTIVE***  3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Foreign languages offered are: French, German, Spanish, and Arabic. It is assumed students have tested out of levels 110 and 111.

*** Recommended electives: ART 110, 150, 151; FILM 110; HUMAN 128; MUS 149, 150

**Recommended Course Sequence:**
1st Semester: ENGL 110; HIST 117 or HIST 118; POLSC 124; Intermediate Foreign Language I
2nd Semester: ENGL 111; COMM 110; Mathematics; Intermediate Foreign Language II;
  IN TST 132 or IN TST 133
3rd Semester: PHIL 112; POLSC 122; ECON 110; Life Science; INTST 130 or INTST 134
4th Semester: GEOG 116; HIST 111 or HIST 112; Physical Science; Fine Arts; Elective
Associate in Arts

Total Credit Hours: 60 to 64

Program Information: This area of study emphasizes the development of professional-level writing and reporting skills and provides students with a broadly-based program of liberal arts courses necessary for a career in journalism, radio/television news, public relations, and business reporting. This suggested area of study is 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.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
English, Humanities, and Language Studies Department
East Peoria Campus
Room 315B
(309) 694-5342

Journalism

**GENERAL COURSES:**

- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- GEOG 113  WORLD REGIONAL GEOGRAPHY  3 CR. HRS.
- POLSC 115 or POLSC 119  AMERICAN NATIONAL GOVERNMENT  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- LIFE SCIENCE*  3-4 CR. HRS.
- PHYSICAL SCIENCE*  3-4 CR. HRS.
- FINE ARTS*  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.
- HUMANITIES/FINE ARTS*  3 CR. HRS.

**PROGRAM COURSES:**

- JOURN 122  BEGINNING REPORTING**  3 CR. HRS.
- JOURN 123  BASIC NEWS EDITING  3 CR. HRS.
- MCOMM 110  INTRODUCTION TO MASS MEDIA  3 CR. HRS.
- MM 140  MULTIMEDIA PRODUCTION I  3 CR. HRS.

**ELECTIVE COURSES:**

- ELECTIVES***  12 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** 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

Recommended Course Sequence:
1st Semester: ENGL 110; COMM 110; Mathematics; JOURN 122; Social Science
2nd Semester: ENGL 111; JOURN 123; MCOMM 110; POLSC 115 or POLSC 119; Elective
3rd Semester: Fine Arts; Life Science or Physical Science; Humanities; MM 140; Elective
4th Semester: GEOG 113; Humanities/Fine Arts; Life Science or Physical Science; Elective

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

Total Credit Hours: 60

Program Information: The Liberal Arts area of study is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. This course sequence intends to provide a strong, general foundation in the humanities. It provides breadth in a variety of disciplines rather than aiming at depth in any one. This area of study is especially appropriate for students who have as their educational goals: (1) transferring to a liberal arts college, (2) undecided plans for a major in transferring to any senior college or university, (3) a desire to understand more thoroughly the underlying principles of individual and social behavior in the environment.

To Remain in and Graduate From the Program:
Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. This degree program is also offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888, or icc.edu/Virtual Campus.

Contact Information:
English, Humanities, and Language Studies Department
East Peoria Campus
Room 315B
(309) 694-5342

Liberal Arts

GENERAL COURSES:

- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMMUNICATION*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- LIFE SCIENCE*  3-4 CR. HRS.
- PHYSICAL SCIENCE*  3-4 CR. HRS.
- FINE ARTS*  3-6 CR. HRS.
- HUMANITIES*  3-6 CR. HRS.

ELECTIVE COURSES:

- ELECTIVES  9-10 CR. HRS.
- FOREIGN LANGUAGE  8 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; Social Science; Mathematics; Humanities/Fine Arts; Elective
2nd Semester: ENGL 111; Social Science; Life Science; Humanities/Fine Arts; Elective
3rd Semester: Social Science; Social Science; Physical Science; Elective
4th Semester: Communication; Humanities/Fine Arts; Social Science; Elective

For the most up-to-date program requirements, go online to the College catalog: 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

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- LIFE SCIENCE*  3-4 CR. HRS.
- PHYSICAL SCIENCE*  3-4 CR. HRS.
- FILM 110  SURVEY OF FILM  3 CR. HRS.
- HUMAN 125  CONTEMPORARY HUMANITIES  3 CR. HRS.
- MCOMM 224  HISTORY OF MOTION PICTURES  3 CR. HRS.

PROGRAM COURSES:
- MCOMM 110  INTRODUCTION TO MASS MEDIA  3 CR. HRS.
- MCOMM 113  INTRODUCTION TO RADIO, TV, AND EMERGING MEDIA  3 CR. HRS.
- MCOMM 214  TV AND MOTION PICTURE PRODUCTION  3 CR. HRS.
- MCOMM 217  AUDIO PRODUCTION  3 CR. HRS.
- MCOMM 220  SCRIPTWRITING  3 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVES**  8-9 CR. HRS.

* See specific requirements for Associate in Arts Degree.
** Approved electives: COMM 115, COMM 248; FILM 111; JOURN 122, JOURN 142; MCOMM 140, MCOMM 160, MCOMM 215, MCOMM 230, MCOMM 260; MKTG 112; or MM 140

Recommended Course Sequence:
1st Semester: ENGL 110; COMM 110; Mathematics; MCOMM 110; MCOMM 224
2nd Semester: ENGL 111; FILM 110; MCOMM 113; MCOMM 217; Physical Science
3rd Semester: Life Science; MCOMM 214; MCOMM 220; Approved Elective; Social Science
4th Semester: Social Science; Social Science; HUMAN 125; Approved Elective; Approved Elective

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: A student planning to prepare for a career in computer science, mathematics teaching at the high school level, or as a research technician will essentially earn a major in mathematics. Many mathematics majors choose to take considerable work (possibly even a second major) in an applied field such as chemistry, physics, economics, accounting, computer programming, etc. By studying in an applied area along with mathematics, students strengthen their employability, especially in industry or at a research facility. Many courses of study at Illinois Central College leading to four-year degrees require considerable mathematics. For example, the suggested courses of study for engineering, physics, and chemistry all include a minimum of three semesters of calculus. For students in accounting and business administration, a one-year sequence of mathematics is required.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Mathematics

GENERAL COURSES:

- ENGL 110 Composition I 3 CR. HRS.
- ENGL 111 Composition II 3 CR. HRS.
- COMM 110 Communication: Process and Practice 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 222 Calculus and Analytic Geometry I 5 CR. HRS.
- MATH 223 Calculus and Analytic Geometry II 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3-4 CR. HRS.

PROGRAM COURSES:

- CMPSC 125 CS I: Programming in C++ 3 CR. HRS.
- ENGR 230 Programming Engineering Applications 3 CR. HRS.
- MATH 224 Calculus and Analytic Geometry III 4 CR. HRS.
- MATH 230 Linear Algebra 3 CR. HRS.
- MATH 250 Differential Equations 3 CR. HRS.

ELECTIVE COURSES:

- ELECTIVE 3 CR. HRS.
* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: MATH 222; ENGL 110; Life Science; Social Science
2nd Semester: MATH 223; ENGR 230 or CMPSC 125; ENGL 111; Fine Arts;
Physical Science
3rd Semester: MATH 224; COMM 110; Social Science; Humanities; Electives
4th Semester: MATH 250; MATH 230; Social Science; Humanities/Fine Arts; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: The Meteorology area of study is designed for students planning to transfer to a college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in the sciences and mathematics. This calculus based physics curriculum is appropriate for students interested in atmospheric science, meteorology, climatology, or weather forecasting.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Meteorology

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- GEOG 112 CULTURAL GEOGRAPHY 3 CR. HRS.
- or GEOG 113 WORLD REGIONAL GEOGRAPHY 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- LIFE SCIENCE (BIOL)* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3-4 CR. HRS.

PROGRAM COURSES:

- EASC 118 INTRODUCTION TO WEATHER AND CLIMATE 4 CR. HRS.
- MATH 224 CALCULUS AND ANALYTIC GEOMETRY III 4 CR. HRS.
- MATH 250 DIFFERENTIAL EQUATIONS 3 CR. HRS.
- PHYS 211 ENGINEERING PHYSICS: MECHANICS 4 CR. HRS.
- PHYS 212 ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM 4 CR. HRS.
- PHYS 213 ENGINEERING PHYSICS: THERMODYNAMICS 2 CR. HRS.
- PHYS 214 ENGINEERING PHYSICS: MODERN PHYSICS 2 CR. HRS.

* See specific requirements for Associate in Science degree.

Recommended Course Sequence:
1st Semester: CHEM 130; MATH 222; ENGL 110; EASC 118
2nd Semester: MATH 223; ENGL 111; PHYS 211; GEOG 112 or 113; Life Science
3rd Semester: PHYS 212; MATH 224; Humanities; Fine Arts; Social Science
4th Semester: PHYS 213; PHYS 214; MATH 250; COMM 110; Humanities/Fine Arts; Social Science

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

Total Credit Hours: 60 to 64

Program Information: The Multimedia area of study prepares students interested in the concept, design, technologies, and practical aspects of multimedia creation, production, and delivery. Industry professionals pursue multimedia careers in the related fields of Advertising, Communication, Education, Graphic Design, Information Technologies, Marketing, and Publishing. Completion of the Multimedia area of study prepares the student planning transfer to a baccalaureate degree program. Students intending transfer to related programs are strongly advised to develop and maintain a creative portfolio, which partly determines acceptance and placement at most senior colleges and universities.

Additional Program Info: Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

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Multimedia

**GENERAL COURSES:**

- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- LIFE SCIENCE*  3-4 CR. HRS.
- PHYSICAL SCIENCE*  3-4 CR. HRS.
- ART 151  ART HISTORY II  3 CR. HRS.
- FILM 110  SURVEY OF FILM  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.

**PROGRAM COURSES:**

- MM 142  DIGITAL PHOTOGRAPHY  3 CR. HRS.
- MM 140  MULTIMEDIA PRODUCTION I  3 CR. HRS.
- MCOMM 217  AUDIO PRODUCTION  3 CR. HRS.
- GRDSN 140  GRAPHIC DESIGN I  3 CR. HRS.
- MM 150  MULTIMEDIA THEORY  3 CR. HRS.
- MM 241  MULTIMEDIA AUTHORING  5 CR. HRS.
- MM 230  DIGITAL VIDEO PRODUCTION  3 CR. HRS.

* See specific requirements for Associate in Arts.

Recommended Course Sequence:
1st Semester: MM 140; GRDSN 140; ENGL 110; COMM 110
2nd Semester: MM 150; MCOMM 217; ENGL 111; Mathematics; Physical Science
3rd Semester: MM 142; MM 230; Life Science; Social Science; ART 151
4th Semester: MM 241; FILM 110; Humanities; Social Science; Social Science

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

Total Credit Hours: 60 to 64

Program Information: The music student must successfully complete the following course work 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 class piano;
- (4) four semesters of music theory placement exam or successful completion of MUS 117, 170, 180.

Accreditation: Illinois Central College is an accredited institutional member of the National Association of Schools of Music (NASM).

Admission To the Program: A score of 70% or better on music theory placement exam or successful completion of MUS 136 and diagnostic audition in primary performance area.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

Music

GENERAL COURSES:

- **ENGL 110** COMPOSITION I 3 CR. HRS.
- **ENGL 111** COMPOSITION II 3 CR. HRS.
- **COMM 110** COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- **PSY 110** INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- **SOCIAL SCIENCE** 3 CR. HRS.
- **SOCIAL SCIENCE** 3 CR. HRS.
- **MATHEMATICS** 3 CR. HRS.
- **LIFE SCIENCE** 3-4 CR. HRS.
- **PHYSICAL SCIENCE** 3-4 CR. HRS.
- **MUS 148** INTRODUCTION TO JAZZ 3 CR. HRS.
- **MUS 149** INTRODUCTION TO MUSIC LITERATURE 3 CR. HRS.
- **HUMANITIES** 3 CR. HRS.

PROGRAM COURSES:

- **APPLIED MUSIC** 8 CR. HRS.
- **MUS 110** ONE PERFORMANCE ORGANIZATION 4 CR. HRS.
- **MUS 110** CLASS PIANO 2 CR. HRS.
- **MUS 170** HARMONY AND ANALYSIS I 3 CR. HRS.
- **MUS 171** HARMONY AND ANALYSIS II 3 CR. HRS.
- **MUS 180** MUSICIANSHIP I 1 CR. HR.
- **MUS 181** MUSICIANSHIP II 1 CR. HR.
- **MUS 270** HARMONY AND ANALYSIS III 3 CR. HRS.
- **MUS 271** HARMONY AND ANALYSIS IV 3 CR. HRS.
- **MUS 280** MUSICIANSHIP III 1 CR. HR.
- **MUS 281** MUSICIANSHIP IV 1 CR. HR.

*See specific requirements for Associate in Arts Degree.

** Students should enroll in applied music each semester. If a student enrolls for more than four semesters, the last number of the sequence may be repeated.

*** For each semester of enrollment in applied music, she/he must also enroll in a performing organization: Students should complete 2 semesters at the 100 level of each performing organization before progressing to the 200 level.

**** If a student’s primary instrument is piano MUS 110 is not required.

Recommended Course Sequence:

Previous Semester (for preprogram courses): MUS 136

1st Semester: Applied Music; Performing Organization; MUS 110; MUS 170; MUS 180; ENGL 110; Mathematics; MUS 148
2nd Semester: Applied Music; Performing Organization; MUS 171; MUS 181; ENGL 111; Life Science; PSY 110
3rd Semester: Applied Music; Performing Organization; MUS 270; MUS 280; MUS 149; COMM 110; Social Science
4th Semester: Applied Music; Performing Organization; MUS 271; MUS 281; Physical Science; Humanities; Social Science

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

Total Credit Hours: 60 to 64

Program Information: The Philosophy area of study is designed for students planning to transfer to a four-year college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in philosophy, writing, and critical thinking. The philosophy area of study is designed for students who have as educational goals: (1) teaching at the college or university level; (2) pre-professional majors, especially law; (3) undecided college transfer plans; (4) self-improvement in the areas of reading, writing, critical thinking, and problem solving; (5) students who are deeply curious and strongly motivated by questions of life, death, God, meaning, purpose, value, and the nature of reality.

Additional Program Info: Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

Philosophy

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE** 3 CR. HRS.
- SOCIAL SCIENCE** 3 CR. HRS.
- SOCIAL SCIENCE** 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- LIFE SCIENCE* 3-4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- PHIL 110 INTRODUCTION TO PHILOSOPHY 3 CR. HRS.
- PHIL 111 LOGIC 3 CR. HRS.
- FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:

- ELEMENTARY FOREIGN LANGUAGE I 4 CR. HRS.
- ELEMENTARY FOREIGN LANGUAGE II 4 CR. HRS.
- PHIL 112 COMPARATIVE RELIGIONS 3 CR. HRS.
- PHIL 115 ETHICS 3 CR. HRS.
- PHIL 116 PHILOSOPHY OF RELIGION 3 CR. HRS.

ELECTIVE COURSES:

- HUMANITIES ELECTIVE*** 6 CR. HRS.

* See specific requirements for Associate in Arts Degree.
** Recommended Social Sciences are HIST 117, PSY 110 and SOC 110.
*** Recommended Humanities electives include Intermediate Foreign Language II, or HUMAN 125, and any INTST course.

Recommended Course Sequence:
1st Semester: ENGL 110, PHIL 110; Social Science; Life Science; Elementary Foreign Language I
2nd Semester: ENGL 111; PHIL 111; Social Science; Physical Science; Elementary Foreign Language II
3rd Semester: COMM 110; PHIL 112; Social Science; Mathematics; Humanities Elective
4th Semester: PHIL 115; PHIL 116; Fine Arts; Humanities Elective

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: This area of study is intended for students planning to transfer to a senior college or university for a baccalaureate degree in physical education. Upon successful completion of the baccalaureate degree in physical education, graduates are qualified for positions as teachers, coaches, or specialists in public and private elementary or secondary schools, colleges and universities, as well as other social and recreational agencies which promote physical activity programs.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. Students who plan to pursue a K12 teaching degree in order to teach physical education and/or coach, should follow those requirements outlined for the education major through the Social Sciences and Public Services Department.

Contact Information:
Physical Education Coordinator
East Peoria Campus
CougarPlex
(309) 694-5502

Physical Education

GENERAL COURSES:

- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I 4 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- MATH 110 CONCEPTS OF MATHEMATICS 3 CR. HRS.
- MATH 111 GENERAL EDUCATION STATISTICS 3 CR. HRS.
- POLSC 115 AMERICAN NATIONAL GOVERNMENT 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 CR. HRS.

PROGRAM COURSES:

- PHYSICAL EDUCATION 1 CR. HR.
- BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II 4 CR. HRS.
- EDUC 111 INTRODUCTION TO AMERICAN EDUCATION** 3 CR. HRS.
- FCS 110 BASIC NUTRITION 2 CR. HRS.
- HLTH 120 FIRST AID 2 CR. HRS.
- HLTH 150 FOUNDATIONS OF HEALTH 3 CR. HRS.
- PHYED 136 FOUNDATIONS OF HUMAN MOVEMENT 3 CR. HRS.
- PHYED 210 SPORT PSYCHOLOGY 3 CR. HRS.
- PHYED 236 SCIENTIFIC BASIS OF HUMAN MOVEMENT 3 CR. HRS.

* See specific requirements for Associate in Science.
** Athletic Trainers, take HLTH 121 and an additional PHYED activity course (Spring Semester, Sophomore Year) instead of EDUC 111.

Recommended Course Sequence:
1st Semester: ENGL 110; PHYED 136; PSY 110; HLTH 120; FCS 110; POLSC 115
2nd Semester: ENGL 111; HLTH 150; MATH 110; Fine Arts; Physical Science; Physical Education
3rd Semester: COMM 110; BIOL 205; PHYED 210; SOC 110; Humanities
4th Semester: MATH 111; EDUC 111; BIOL 206; PHYED 236; Humanities/Fine Arts

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: The Physics area of study is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in the sciences and mathematics. The physics curriculum is appropriate for students interested in: (1) industrial research; (2) liberal arts background for the medical professions; (3) teaching of physics or physical science; (4) continued education in related fields such as astronomy, meteorology, physical oceanography, alternate energy, or selected engineering programs.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Physics

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:
- CHEM 132 GENERAL CHEMISTRY 4 CR. HRS.
- MATH 224 CALCULUS AND ANALYTIC GEOMETRY III 4 CR. HRS.
- MATH 230 LINEAR ALGEBRA 3 CR. HRS.
- MATH 250 DIFFERENTIAL EQUATIONS 3 CR. HRS.
- PHYS 211 ENGINEERING PHYSICS: MECHANICS 4 CR. HRS.
- PHYS 212 ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM 4 CR. HRS.
- PHYS 213 ENGINEERING PHYSICS: THERMODYNAMICS 2 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: CHEM 130; MATH 222; ENGL 110; Life Science
2nd Semester: CHEM 132; MATH 223; ENGL 111; Social Science; PHYS 211
3rd Semester: PHYS 212; MATH 224; Social Science; Humanities; Fine Arts
4th Semester: PHYS 213; MATH 230; MATH 250; COMM 110; PHYS 214;
Humanities/Fine Arts; Social Science

For the most up-to-date program requirements, go online to the College catalog: 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 Arts
Total Credit Hours: 60 to 64

Program Information: The Political Science area of study is designed for students planning to transfer to a four-year college or university for completion of a baccalaureate degree. Students concentrate on building a strong foundation in political science as well as other related social science courses. It is recommended that prospective students take a traditional college-preparatory curriculum in high school, with a strong emphasis on the liberal arts and social sciences.

Additional Program Info: Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

Political Science

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- POLSC 115 AMERICAN NATIONAL GOVERNMENT 3 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- LIFE SCIENCE* 3-4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES** 3 CR. HRS.
- HUMANITIES/FINE ARTS** 3 CR. HRS.

PROGRAM COURSES:
- POLSC 119 STATE AND LOCAL GOVERNMENT 3 CR. HRS.
- POLSC 120 POLITICAL METHODS AND CONCEPTS 3 CR. HRS.
- POLSC 122 INTRODUCTION TO INTERNATIONAL RELATIONS or POLSC 124 COMPARATIVE POLITICAL SYSTEMS 3 CR. HRS.

ELECTIVE COURSES:
- ELECTIVES*** 11-14 CR. HRS.

* See specific requirements for Associate in Arts Degree.
** Recommended Humanities: PHIL 110; HIST 111, 112; Foreign Language at 211 level
*** Recommended electives: PSY 110; ECON 111; GEOG 113, 114; HIST 117, 118, 201, 202

Recommended Course Sequence:
1st Semester: ENGL 110; POLSC 115; Life Science; Electives
2nd Semester: ENGL 111; POLSC 119; Physical Science; Humanities
3rd Semester: COMM 110; ECON 110; POLSC 120; Fine Arts; Mathematics
4th Semester: SOC 110; POLSC 122 or POLSC 124; Humanities/Fine Arts; Elective
Associates in Science

Total Credit Hours: 60 to 64

Program Information: Students planning to enter a professional school should seek specific information from the school they wish to attend since admission requirements vary considerably. Accredited chiropractic colleges require a minimum of 90 credit hours before entrance into the medical school, of which a minimum of 30 hours must come from upper-level courses. A bachelor’s degree is not required but is encouraged. Although a major in any academic field is usually acceptable, majors in biology and chemistry are especially suitable since major requirements in these fields overlap with pre-professional requirements.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. It is recommended that a student whose plans include completing a bachelor’s degree before entrance into a chiropractic college complete math through calculus at ICC before transferring to the university.

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

Pre-Chiropractic

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 or COMM 212 COMMUNICATION: PROCESS AND PRACTICE PUBLIC SPEAKING 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOCIAL SCIENCE 3 CR. HRS.
- BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- MATH 120 COLLEGE TRIGONOMETRY 3 CR. HRS.
- MATH 211 STATISTICAL ANALYSIS 4 CR. HRS.
- HUMANITIES/FINE ARTS 9 CR. HRS.

PROGRAM COURSES:

- BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II 4 CR. HRS.
- BIOL 210 MICROBIOLOGY 4 CR. HRS.
- CHEM 132 GENERAL CHEMISTRY 4 CR. HRS.
- CHEM 220 ORGANIC CHEMISTRY 5 CR. HRS.
- CHEM 230 ORGANIC CHEMISTRY 4 CR. HRS.
- PHYS 120 GENERAL PHYSICS 5 CR. HRS.
- PHYS 121 GENERAL PHYSICS 5 CR. HRS.

* See specific requirements for Associate in Science Degree.
* Completion of MATH 222 may be required for a bachelor's degree.

Recommended Course Sequence:
Previous Semester (for pre-program courses):
1st Semester: MATH 120; CHEM 130; BIOL 205; ENGL 110; Social Science
2nd Semester: MATH 211; CHEM 132; BIOL 206; ENGL 111; PSY 110
Summer Semester 1: BIOL 210
3rd Semester: CHEM 220; PHYS 120; COMM 110 Or COMM 212; Humanities/Fine Arts
4th Semester: CHEM 230; PHYS 121; Fine Arts; Humanities; Social Science

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

Total Credit Hours: 60 to 64

Program Information: Requirements for admission to law schools may vary. Students planning to enter law school may study at Illinois Central College and then transfer to a four-year college or university to complete a bachelor’s degree. Law schools generally favor a program of study in one of the established academic fields as the best preparation. A suggested sequence of courses is listed below. The pre-law student should carefully consider the recommended electives as well.

Additional Program Info: Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

Pre-Law

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- HIST 112 MODERN WORLD CIVILIZATIONS 4 CR. HRS.
- POLSC 115 AMERICAN NATIONAL GOVERNMENT 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- LIFE SCIENCE** 3-4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- HIST 202 AMERICAN HISTORY SINCE 1877 3 CR. HRS.
- PHIL 111 LOGIC 3 CR. HRS.
- FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:

- ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- HIST 201 AMERICAN HISTORY TO 1877 3 CR. HRS.
- POLSC 119 STATE AND LOCAL GOVERNMENT 3 CR. HRS.
- POLSC 122 INTRODUCTION TO INTERNATIONAL RELATIONS 3 CR. HRS.
- POLSC 124 COMPARATIVE POLITICAL SYSTEMS 3 CR. HRS.

ELECTIVE COURSES:

- APPROVED ELECTIVES*** 6 CR. HRS.

* See specific requirements for Associate in Arts Degree.
** Recommended Life Science: BIOL 111 or 140
*** Approved electives: POLSC 120; HIST 111, 219; ECON 111; GEOG 114; Foreign Language; PHIL 110, 115; PSY 110; SOC 110, 114, 210; COMM 112

Recommended Course Sequence:
1st Semester: ENGL 110, COMM 110, POLSC 115, HIST 201; Physical Science
2nd Semester: ENGL 111, ECON 110, POLSC 122 or POLSC 124; HIST 202; Life Science
3rd Semester: ACCTG 120; POLSC 119; Mathematics; Fine Arts; Elective
4th Semester: PHIL 111, POLSC 122 or POLSC 124, HIST 112; Elective

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: Suggested courses are those that are required to be completed before a student sits for the MCAT and DAT (medical and dental school entrance exams). A regular program of study in one of the established academic fields is generally recommended as the best preparation. Although a major in any academic field is usually acceptable, majors in biology and chemistry are especially suitable since major requirements in these fields overlap with preprofessional requirements.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Pre-Medical, Pre-Dental

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- COMM 212  PUBLIC SPEAKING  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
- SOC 110  AN INTRODUCTION TO SOCIOLOGY  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATH 222  CALCULUS AND ANALYTIC GEOMETRY I  5 CR. HRS.
- MATH 223  CALCULUS AND ANALYTIC GEOMETRY II  5 CR. HRS.
- MATH 211  STATISTICAL ANALYSIS  4 CR. HRS.
- BIOL 160  BIOPRINCIPLES I  4 CR. HRS.
- CHEM 130  GENERAL CHEMISTRY  4 CR. HRS.
- HUMANITIES/FINE ARTS*  9 CR. HRS.

PROGRAM COURSES:
- BIOL 161  BIOPRINCIPLES II  4 CR. HRS.
- CHEM 132  GENERAL CHEMISTRY  4 CR. HRS.
- CHEM 220  ORGANIC CHEMISTRY  5 CR. HRS.
- CHEM 230  ORGANIC CHEMISTRY  4 CR. HRS.
- PHYS 120  GENERAL PHYSICS  5 CR. HRS.
- PHYS 121  GENERAL PHYSICS  5 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: MATH 222; CHEM 130; BIOL 160; ENGL 110
2nd Semester: MATH 223 or MATH 211; CHEM 132; BIOL 161; ENGL 111; Fine Arts
Summer Semester 1: Humanities
3rd Semester: COMM 110; CHEM 220; PHYS 120; PSY 110
4th Semester: CHEM 230; PHYS 121; SOC 110; Social Science; Humanities
Associate in Science

Total Credit Hours: 60 to 64

Program Information: Admission requirements to colleges of pharmacy vary considerably. Students planning to enter a pharmacy school should seek specific information from the school they wish to attend. Acceptance into a college of pharmacy is extremely competitive. Entrance into a college of pharmacy directly from ICC is possible; an alternative would be to receive a baccalaureate degree in biology, chemistry, or biochemistry before applying to the pharmacy college of their choice.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Pre-Pharmacy

GENERAL COURSES:

- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY
  or  SOC 110  AN INTRODUCTION TO SOCIOLOGY  3 CR. HRS.
- ECON 110  PRINCIPLES OF MACROECONOMICS
  or  ECON 111  PRINCIPLES OF MICROECONOMICS  3 CR. HRS.
- SOC 110  SOCIAL SCIENCE*  3 CR. HRS.
- MATH 222  CALCULUS AND ANALYTIC GEOMETRY I  5 CR. HRS.
- MATH 223  CALCULUS AND ANALYTIC GEOMETRY II
  or  MATH 211  STATISTICAL ANALYSIS  4 CR. HRS.
- BIOL 160  BIOPRINCIPLES I  4 CR. HRS.
- CHEM 130  GENERAL CHEMISTRY  4 CR. HRS.
- FINE ARTS*  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.
- HUMANITIES/FINE ARTS*  3-4 CR. HRS.

PROGRAM COURSES:

- BIOL 161  BIOPRINCIPLES II  4 CR. HRS.
- BIOL 205  PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I  4 CR. HRS.
- BIOL 206  PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II  4 CR. HRS.
- CHEM 132  GENERAL CHEMISTRY  4 CR. HRS.
- CHEM 220  ORGANIC CHEMISTRY  5 CR. HRS.
- CHEM 230  ORGANIC CHEMISTRY  4 CR. HRS.
- PHYS 120  GENERAL PHYSICS  5 CR. HRS.
- PHYS 121  GENERAL PHYSICS  5 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: MATH 222; CHEM 130; BIOL 160; ENGL 110
2nd Semester: MATH 223 or MATH 211; CHEM 132; BIOL 161; ENGL 111;
  PSY 110 or SOC 110
Summer Semester 1: Humanities/Fine Art; ECON 110 or ECON 111
3rd Semester: CHEM 220; BIOL 205; PHYS 120; COMM 110
4th Semester: CHEM 230; BIOL 206; PHYS 121; Social Science; Fine Arts
Summer Semester 2: Humanities

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: Entrance into a Doctorate of Physical Therapy (DPT) program requires an extensive science background. Not all programs require the completion of a BS/BA, a minimum of at least 90 undergraduate hours towards a science degree will be needed. Roughly 60 credit hours can be completed at ICC; it will be necessary for an interested student to transfer to a college or university to work towards a BS/BA degree.

Additional Program Info: Acceptance into a DPT program is extremely competitive mainly because program size is limited. A high GPA will be required. Entrance requirements vary between the institutions. Students are encouraged to review specific requirements of every college or university to which they plan to apply. Students are encouraged to meet with their assigned departmental advisor to plan a course schedule that meets transfer requirements.

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

Pre-Physical Therapy

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOCIAL SCIENCE* 6 CR. HRS.
- MATH 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES 4 CR. HRS.
- MATH 211 STATISTICAL ANALYSIS 4 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- BIOL 160 BIOPRINCIPLES I 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- FINE ARTS* 3-4 CR. HRS.
- HUMANITIES* 3-4 CR. HRS.
- HUMANITIES/FINE ARTS* 3-4 CR. HRS.

PROGRAM COURSES:

- BIOL 161 BIOPRINCIPLES II 4 CR. HRS.
- BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I 4 CR. HRS.
- BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II 4 CR. HRS.
- CHEM 132 GENERAL CHEMISTRY 4 CR. HRS.
- PHYS 120 GENERAL PHYSICS 5 CR. HRS.
- PHYS 121 GENERAL PHYSICS 5 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: MATH 135 or MATH 222; BIOL 160; CHEM 130; ENGL 110
2nd Semester: MATH 211; BIOL 161; CHEM 132; ENGL 111; PSY 110
3rd Semester: BIOL 205; PHYS 120; COMM 110; Humanities; Social Science
4th Semester: BIOL 206; PHYS 121; Fine Arts; Humnities/Fine Arts; Social Science

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 Science

Total Credit Hours: 60 to 64

Program Information: This area of study is designed for the student who, after receiving their bachelor's degree in biology or agriculture, is planning to transfer to the University of Illinois College of Veterinary Medicine. Since requirements for admission to professional schools vary considerably according to the profession, as well as the school, a student planning to enter a professional school should seek specific information from the school he/she wishes to attend. The College of Veterinary Medicine is a four-year curriculum leading to the degree of Doctor of Veterinary Medicine.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Agricultural and Industrial Technologies Department
AIT Bldg
East Peoria Campus
Room 118
(309) 694-5171
or
Math, Science, and Engineering Department
East Peoria Campus
Room 320B
(309) 694-5365

Pre-Veterinary

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE
  or COMM 212  PUBLIC SPEAKING  3 CR. HRS.
- PSY 110  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
- SOCIAL SCIENCE*  6 CR. HRS.
- MATH 222  CALCULUS AND ANALYTIC GEOMETRY I
  or MATH 135  CALCULUS FOR BUSINESS AND
  SOCIAL SCIENCES  4 CR. HRS.
- MATH 223  CALCULUS AND ANALYTIC GEOMETRY II
  or MATH 211  STATISTICAL ANALYSIS  4 CR. HRS.
- BIOL 160  BIOPRINCIPLES I  4 CR. HRS.
- CHEM 130  GENERAL CHEMISTRY  4 CR. HRS.
- HUMANITIES/FINE ARTS*  9 CR. HRS.

PROGRAM COURSES:
- AGRI 110  PRINCIPLES OF ANIMAL SCIENCE  4 CR. HRS.
- BIOL 161  BIOPRINCIPLES II  4 CR. HRS.
- CHEM 132  GENERAL CHEMISTRY  4 CR. HRS.
- CHEM 220  ORGANIC CHEMISTRY  5 CR. HRS.
- CHEM 230  ORGANIC CHEMISTRY  4 CR. HRS.
- PHYS 120  GENERAL PHYSICS  5 CR. HRS.
- PHYS 121  GENERAL PHYSICS  5 CR. HRS.

ELECTIVE COURSES:
- AGRI 110  PRINCIPLES OF ANIMAL SCIENCE**  4 CR. HRS.
* See specific requirements for Associate in Science Degree.
** AGRI 110 is not required for students transferring into a biology curriculum.

Recommended Course Sequence:
1st Semester: BIOL 160; CHEM 130; ENGL 110; MATH 222 Or MATH 135
2nd Semester: BIOL 161; CHEM 132; ENGL 111; Humanities; MATH 223 or MATH 211
3rd Semester: CHEM 220; PHYS 120; COMM 110 or COMM 212; Social Science;
Fine Arts
4th Semester: CHEM 230; PHYS 121; PSY 110; Social Science; Humanities/Fine Arts

For the most up-to-date program requirements, go online to the College catalog: 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 Science
Total Credit Hours: 60 to 64

Program Information: Requirements for admission to four-year colleges and universities vary a great deal. Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Science degree.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

# Psychology

## GENERAL COURSES:

- **ENGL 110**  COMPOSITION I  3 CR. HRS.
- **ENGL 111**  COMPOSITION II  3 CR. HRS.
- **COMM 110**  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- **PSY 110**  INTRODUCTION TO PSYCHOLOGY  3 CR. HRS.
- **SOC 110**  AN INTRODUCTION TO SOCIOLOGY  3 CR. HRS.
- **SOCIAL SCIENCE***  3 CR. HRS.
- **MATH 115**  COLLEGE ALGEBRA  4 CR. HRS.
- **MATH 134**  FINITE MATH  4 CR. HRS.
- **CHEM 110**  CHEMISTRY AND SOCIETY  4 CR. HRS.
- **PHIL 110**  INTRODUCTION TO PHILOSOPHY  3 CR. HRS.
- **PHIL 111**  LOGIC  3 CR. HRS.
- **FINE ARTS**  3-4 CR. HRS.

## PROGRAM COURSES:

- **BIOL 150**  GENETICS  3 CR. HRS.
- **PSY 202**  CHILD AND ADOLESCENT DEVELOPMENT  3 CR. HRS.
  or **PSY 112**  PERSONALITY  3 CR. HRS.
- **PSY 210**  HUMAN SOCIAL BEHAVIOR  3 CR. HRS.
  or **SOC 218**  INTRODUCTION TO SOCIAL PSYCHOLOGY  3 CR. HRS.
- **PSY 250**  INTRODUCTION TO RESEARCH METHODS IN THE BEHAVIORAL SCIENCES  3 CR. HRS.

## ELECTIVE COURSES:

- **ELECTIVE**  2 CR. HRS.

* See specific requirements for Associate in Science Degree.

** Social Sciences Electives: PSY 112, 115, 118, 220; SOC 120, 210

*** Biology: Choose BIOL 111 and 140 or BIOL 205 and 206

Recommended Course Sequence:
1st Semester: ENGL 110; CHEM 110; PSY 110; PHIL 110; MATH 115
2nd Semester: ENGL 111; SOC 110; PSY 202 or PSY 112; MATH 134; Biology
3rd Semester: COMM 110; PHIL 111; PSY 250; Biology; Fine Arts
4th Semester: PSY 210 or SOC 218; BIOL 150; Social Science; Electives

For the most up-to-date program requirements, go online to the College catalog: 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 Arts
Total Credit Hours: 60 to 64

Program Information: The Social Work area of study at Illinois Central College consists of classes which will provide students with the academic foundation to transfer to a four-year school to complete the Bachelor’s of Social Work (BSW). The BSW is a specialized degree that educates students to be professional social workers and gain entry into direct human service professional positions.

Additional Program Info: Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

Social Work

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 CR. HRS.
- SOC 114 SOCIAL PROBLEMS 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- BIOL 111 THE BIOLOGY OF MAN 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:
- PSY 202 CHILD AND ADOLESCENT DEVELOPMENT 3 CR. HRS.
- SOC 120 MARRIAGE AND THE FAMILY 3 CR. HRS.
- SOC 218 INTRODUCTION TO SOCIAL PSYCHOLOGY 3 CR. HRS.
- SOC 219 THE SOCIOLOGY OF RACE AND ETHNICITY IN AMERICA 3 CR. HRS.
- SOCWK 220 INTRODUCTION TO SOCIAL WORK 3 CR. HRS.
- SSC 115 LEADERSHIP AND COMMUNITY SERVICE 2 CR. HRS.

* See specific requirements for Associate in Arts Degree.
** Sociology elective will depend upon the student’s area of interest in social work and the requirements of the BSW degree program to which the student intends to transfer.
*** PSY 118 is strongly recommended

Recommended Course Sequence:
1st Semester: ENGL 110; BIOL 111; SOC 110; Humanities
2nd Semester: ENGL 111; PSY 110; SOCWK 220; Physical Science; Fine Arts
3rd Semester: PSY 202; SOC 114; COMM 110; Mathematics; Humanities/Fine Arts
4th Semester: SOC 120; SOC 218; SOC 219; SSC 115; Sociology Elective; Psychology Elective
Associate in Science

Total Credit Hours: 60 to 64

Program Information: Requirements for admission to four-year colleges and universities vary a great deal. Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Science degree.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Social Sciences and Public Services Department
East Peoria Campus
Room 220D
(309) 694-5331

Sociology

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 CR. HRS.
- SOC 114 SOCIAL PROBLEMS 3 CR. HRS.
- MATHMATICS* 3 CR. HRS.
- MATHMATICS* 3 CR. HRS.
- LIFE SCIENCE* 3-4 CR. HRS.
- PHYSICAL SCIENCE* 3-4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES** 3 CR. HRS.
- HUMANITIES/FINE ARTS** 3 CR. HRS.

PROGRAM COURSES:

- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- PSY 220 ADULTHOOD AND AGING 3 CR. HRS.
- SOC 120 MARRIAGE AND THE FAMILY 3 CR. HRS.
- SOC 213 INTRODUCTION TO CULTURAL ANTHROPOLOGY 3 CR. HRS.
- SOC 218 INTRODUCTION TO SOCIAL PSYCHOLOGY 3 CR. HRS.

ELECTIVE COURSES:

- ELECTIVES* 4 CR. HRS.

* See specific requirements for Associate in Science Degree.

** Recommended Humanities: INTST 132, 133; PHIL 110

Recommended Course Sequence:
1st Semester: ENGL 110; SOC 110; Life Science; Mathematics; Humanities
2nd Semester: ENGL 111; SOC 114; PSY 110; Physical Science; History or Political Science Elective
3rd Semester: ECON 110; PSY 220; COMM 110; SOC 218; Fine Arts
4th Semester: SOC 213; SOC 120; Humanities/Fine Arts; Mathematics; Elective

For the most up-to-date program requirements, go online to the College catalog: 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 Science

Total Credit Hours: 60 to 64

Program Information: Careers in statistics require a strong background in mathematics. Certain specific courses in the mathematics sequence are recommended. For persons interested in statistics, it is wise to consider a secondary subject in which statistical methods are applicable. Some four-year schools require as much as 15 credit hours in an area of this type for graduation. These might include, but are not limited to: biology, psychology; or economics. Students should be aware that some colleges and universities require proficiency in a foreign language.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Statistics

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- SOCIAL SCIENCE*  3 CR. HRS.
- MATH 211  STATISTICAL ANALYSIS  4 CR. HRS.
- MATH 222  CALCULUS AND ANALYTIC GEOMETRY I  5 CR. HRS.
- LIFE SCIENCE*  4 CR. HRS.
- PHYSICAL SCIENCE*  4 CR. HRS.
- FINE ARTS*  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.
- HUMANITIES/FINE ARTS*  3 CR. HRS.

PROGRAM COURSES:
- MATH 122  DISCRETE MATHEMATICS I  3 CR. HRS.
- MATH 223  CALCULUS AND ANALYTIC GEOMETRY II  4 CR. HRS.
- MATH 224  CALCULUS AND ANALYTIC GEOMETRY III  4 CR. HRS.
- MATH 230  LINEAR ALGEBRA  3 CR. HRS.

ELECTIVE COURSES:
- ENGR 230  PROGRAMMING ENGINEERING APPLICATIONS  3 CR. HRS.
  or CMPSC 125  CS I: PROGRAMMING IN C++  3 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: MATH 222; ENGL 110; Physical Science; Social Science
2nd Semester: MATH 223; MATH 211; ENGL 111; Social Science; MATH 122
3rd Semester: MATH 224; COMM 110; Social Science; Humanities/Fine Arts; Fine Arts
4th Semester: MATH 230; ENGR 230 or CMPSC 125; Life Science; Humanities

For the most up-to-date program requirements, go online to the College catalog: 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 Arts

Total Credit Hours: 60 to 64

Program Information: The Theatre area of study, leading to an Associate in Arts degree, is designed to prepare for transfer to a four-year university after completing the four semester program. We offer study in both performance and technical areas, one-on-one advisement with classes, and help to explore possible careers associated with theatre, film, and television. The program begins to prepare students interested in careers in acting, directing, arts management, teaching, scenic, costume, lighting, and makeup design. The program produces four shows per year in multiple venues. This practical experience is invaluable and allows the student the opportunity to work in all areas of the theatre and gain insight and understanding of the theatrical process.

Additional Program Info: Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

Contact Information:
Arts and Communication Department
East Peoria Campus
Room 124A
(309) 694-5113

Theatre

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- LIFE SCIENCE* 3-4 CR. HRS.
- PHYSICAL SCIENCE* 3-4 CR. HRS.
- THTRE 110 THEATRE APPRECIATION 3 CR. HRS.
- P H Y S I C A L S C I E N C E * 3-4 CR. HRS.
- H U M A N I T I E S / F I N E  A R T S * 3 CR. HRS.

PROGRAM COURSES:

- THTRE 113 INTRODUCTION TO TECHNICAL THEATRE 3 CR. HRS.
- THTRE 114 FUNDAMENTALS OF THEATRICAL DESIGN 3 CR. HRS.
- THTRE 115 STAGE MAKEUP 2 CR. HRS.
- THTRE 118 THEATRE PRACTICUM 1 CR. HR.
- THTRE 119 THEATRE PRACTICUM 1 CR. HR.
- THTRE 122 ACTING I 3 CR. HRS.
- THTRE 123 DIRECTING I 3 CR. HRS.
- THTRE 210 INTRODUCTION TO COSTUMING 3 CR. HRS.
- THTRE 218 THEATRE PRACTICUM 1 CR. HR.
- THTRE 219 THEATRE PRACTICUM 1 CR. HR.
- THTRE 222 ACTING II 3 CR. HRS.
- THTRE 223 DIRECTING II 3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: THTRE 110 or 111; THTRE 122; THTRE 113; ENGL 110; THTRE 118; Mathematics
2nd Semester: THTRE 222; Life Science; Social Science; ENGL 111; THTRE 119; THTRE 115
3rd Semester: THTRE 123; THTRE 218; COMM 110; Social Science; Physical Science; Humanities
4th Semester: THTRE 114; THTRE 219; THTRE 223; THTRE 210; PSY 110; Humanities/Fine Arts

For the most up-to-date program requirements, go online to the College catalog: 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

The Associate in Engineering Science (AES) degree is designed to complete the lower-division (freshman and sophomore) portion of a baccalaureate degree in engineering. Baccalaureate engineering programs are highly structured and require extensive, sequential mathematics and science courses at the lower division level. Because the AES degree increases the focus on mathematics and science classes needed for engineering, ICC students need to take courses in a similar pattern to those freshman and sophomore students in the field of engineering at a four-year institution. Students enrolled in this degree program will still have general education coursework to take at their transfer institution their junior or senior year. However, the general education coursework required for ICC's AES degree will transfer as general education courses at IAI participating schools.

Students interested in engineering should meet with an engineering advisor as soon as possible after applying to ICC.
Associate in Engineering Science

Total Credit Hours: 61

Program Information: The Associate in Engineering Science program prepares students for entry into a baccalaureate level engineering program at the junior level. The suggested sequence of courses includes a minimum of 61 semester hours of mathematics, chemistry, physics, selected engineering sciences, and many general education requirements common to most engineering B.S. degree programs. (See specific graduation requirements for the Associate in Engineering Science Degree.) This sequence is articulated with Bradley University, Missouri University of Science and Technology, University of Illinois at Urbana or Chicago, and fulfills the requirements of most other universities. Students planning to attend Northern Illinois University or Southern Illinois University should meet with an advisor as early as possible.

Admission To the Program: Students must complete the COMPASS placement tests before admission into this program. Summer sessions are necessary for most engineering students.

To Remain in and Graduate From the Program: Students enrolled in the Associate in Engineering Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting the requirements of both Illinois Central College and the institution to which transfer is intended.

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

Associate in Engineering Science

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II or COMM 110 COMMUNICATION: PROCESS AND PRACTICE or COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- MATH 224 CALCULUS AND ANALYTIC GEOMETRY III 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- HUMANITIES/FINE ARTS* 3-4 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- SOCIAL SCIENCE or HUMANITIES/FINE ARTS* 6-7 CR. HRS.

PROGRAM COURSES:
- ENGR 110 INTRODUCTION TO ENGINEERING 1 CR. HR.
- MATH 250 DIFFERENTIAL EQUATIONS 3 CR. HRS.
- PHYS 211 ENGINEERING PHYSICS: MECHANICS 4 CR. HRS.
- PHYS 212 ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM 4 CR. HRS.
- PHYS 213 ENGINEERING PHYSICS: THERMODYNAMICS 2 CR. HRS.

ELECTIVE COURSES:
- MATH, SCIENCE, or ENGINEERING ELECTIVES** 4-6 CR. HRS.
- ENGINEERING ELECTIVES** 8-10 CR. HRS.

** See specific requirements for the Associate in Engineering Degree.
** All electives in the engineering program should be chosen with the help of an advisor. They vary with both choice of transfer university and choice of engineering area of study. Total hours vary accordingly. For a list of acceptable courses, see specific requirements for Associate in Engineering Science Degree.

Recommended Course Sequence:
1st Semester: MATH 222; CHEM 130; ENGL 110; ENGR 110; Elective
2nd Semester: MATH 223; PHYS 211; ENGL 111 or COMM 110 or COMM 212; Elective
3rd Semester: MATH 224; PHYS 212; Elective, Elective, Elective
4th Semester: MATH 250; PHYS 213; Elective, Elective, Elective

For the most up-to-date program requirements, go online to the College catalog: 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.
Course Descriptions

Courses are in listed alphabetical order by subject.
### 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 Prefix</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Type of Credit</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCTG</td>
<td>000</td>
<td>ACCOUNTING</td>
<td>TC</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(BUS 000)</td>
<td></td>
<td>HRS.</td>
</tr>
</tbody>
</table>

Prerequisite: ACCTG 000 or department approval. This course is a practical study of business and individual income tax accounting procedures. Lecture Hours: 3 Lab Hours: 0

### COURSE NUMBERING*

- 001-039 General Studies
- 040-079 Vocational Skills
- 080-099 Developmental
- 100-109 Freshman level – occupational
- 110-199 Freshman level – transfer or occupational
- 200-299 Sophomore level – transfer or occupational
- C - followed by two digits indicates Community Education (Hobby/Leisure, non-credit)

#### IAI NUMBER

Refer to page 34.

#### PREREQUISITE

Unfulfilled prerequisites may restrict enrollment in a course. If you are unsure that you have completed a prerequisite or its equivalent, contact either your advisor or the dean/associate dean of that department.

#### TYPES OF CREDIT

| TC - Transfer Credit – articulated with state universities; usually transferrable |
| OC - Occupational Credit – applicable to an occupational degree or certificate; may be transferrable |
| BEC - Basic Education Credit – preparation for college level course work; not applicable to degrees or certificates |
| GSC - General Studies Credit – applicable only to personal development; not applicable to degrees or certificates |
| ABE - Adult Basic Education Credit – competency/basic skills credit; not applicable to degrees or certificates |
| ASE - Adult Secondary Education Credit – competency/basic skills credit; not applicable to degrees or certificates |
| ESL - English as a Second Language – competency/basic skills credit; not applicable to degrees or certificates |

### CLASS FORMAT

Access to a computer and/or the Internet may be required for a class, regardless of format. See notes for a particular class in class schedule or check with instructor.

#### 8-week classes – Classes are either more frequent or longer than regular 16-week classes, allowing you to earn a full semester’s credit in eight weeks.

#### Extended – Courses that extend beyond the normal end of the semester.

#### Flex – Students may enroll in the class any time during the semester, but must finish the class within a year.

#### 4-week classes – Classes are either more frequent or longer than regular 16-week classes, allowing you to earn a full semester’s credit in four weeks.

#### Hybrid classes – Class content is delivered through a combination of face-to-face instruction and the Internet. Time required in the classroom is reduced but not eliminated.

#### Independent study – You develop a plan of study for a particular subject area. With approval from the dean/associate dean, you earn credit by successfully completing your project and submitting a written report by the end of the semester.

#### Internships – Earn college credit in selected programs while you work at approved locations. You must earn at least twelve semester hours of college credit before enrolling in an internship. Your internship schedule is arranged cooperatively among your work supervisor, your program supervisor or teaching chair, and you.

#### Minimesters – Course content is studied in a condensed time frame between semesters, usually in 11 to 13 days.

#### Off-campus classes – Classes offered at locations other than Illinois Central College campuses.

#### Short – Courses that are shorter in duration than normal.

#### 12-week classes – Classes are either more frequent or longer than regular 16-week classes, allowing you to earn a full semester’s credit in 12 weeks.

#### Web classes – Course content is delivered online instead of in a classroom. A student who likes to read, write, use the computer and the Internet, and is self-directed to complete work on his or her own is more likely to succeed in a web class. Web classes are not easier nor do they take less time; they require as much if not more time than a traditional class. Web classes have deadlines and due dates. Access to a reliable computer and a stable connection to the Internet is required. NOTE: Some online math classes may require proctored testing. Contact the specific instructor for more information.

#### Weekend college – Classes meet on Friday, Saturday, and/or Sunday.
Accounting

ACCTG 105 BOOKKEEPING/ACCOUNTING I  3 HRS. (OC)
This course presents instruction in basic principles of accounting necessary for understanding accounting data. Practical problems and exercises are used to make concepts meaningful.
Lecture Hours: 3 Laboratory Hours: 0

ACCTG 108 ACCOUNTING USING QUICK BOOKS  3 HRS. (OC)
Prerequisite: ACCTG 105 with a grade of "C" or better or equivalent. This course covers basic training in the use of accounting software on microcomputers.
Lecture Hours: 2 Laboratory Hours: 2

ACCTG 113 TAX ACCOUNTING  3 HRS. (OC)
This course is a practical study of business and individual income tax accounting procedures relative to current Internal Revenue requirements.
Lecture Hours: 3 Laboratory Hours: 0

ACCTG 115 PAYROLL ACCOUNTING  3 HRS. (OC)
Prerequisite: ACCTG 105 with a grade of "C" or better or ACCTG 120 with a grade of "C" or better or department approval. This course emphasizes payroll accounting theory and application through familiarization of various federal, state, and local laws effecting payroll systems of business firms. Emphasis is placed on performing detailed payroll work from time of recording employees' hours worked to issuance of paychecks. Familiarization is given to insure adequate control over every detail of the payroll system to improve accuracy, reliability, and timeliness of payroll information processed.
Lecture Hours: 3 Laboratory Hours: 0

ACCTG 120 FINANCIAL ACCOUNTING (BUS 903)  4 HRS. (TC)
This course presents accounting as an information system that produces summary financial statements, primarily for users external to a business or other enterprise. Students study the forms of business organizations and the common transactions entered into by businesses. The emphasis is on understanding and applying basic accounting principles and other concepts that guide the reporting of the effect of transactions and other economic events on the financial condition and operating results of a business. How to analyze and interpret historical financial statements and the limitations of using these in making forward-looking business decisions is included. The primary content emphasis will be accounting for current assets and liabilities, long-term assets and liabilities, corporations' cash flow statements and financial statement analysis.
Lecture Hours: 4 Laboratory Hours: 0

ACCTG 121 MANAGERIAL ACCOUNTING (BUS 904)  4 HRS. (TC)
Prerequisite: ACCTG 120 with a grade of "C" or better. This course covers the fundamental principles of managerial accounting as they apply to management planning, controlling, evaluating and decision-making. Included is the identification and measurement of the costs of producing goods or services and how to analyze and control these costs. Decision models commonly used in making specific short-term and long-term business decisions are also included.
Lecture Hours: 4 Laboratory Hours: 0

ACCTG 206 INTERMEDIATE ACCOUNTING I  3 HRS. (TC)
Prerequisite: ACCTG 121 with a grade of "C" or better or department approval. This course helps develop familiarity with the basic assumptions underlying accounting principles, procedures, methods that are applied in the preparation of financial statements, and the proper uses that can be made of financial data. With this background, the business student is better prepared to analyze and interpret the full product of accounting; the accounting major is better prepared to continue with advanced studies to achieve professional status.
Lecture Hours: 3 Laboratory Hours: 0

ACCTG 207 INTERMEDIATE ACCOUNTING II  3 HRS. (TC)
Prerequisite: ACCTG 206 with a grade of "C" or better. This course emphasizes accounting theory and concepts through analysis of special problems that arise in applying these underlying concepts to the financial accounting; emphasis is placed on investigation of liabilities, paid-in-capital, retained earnings, stockholder's equity analysis, changes in financial position, and financial statement analysis. Insight is given as to how knowledge of these areas provides a basis for decision-making by management, stockholders, creditors, and other users of financial statements and accounting reports.
Lecture Hours: 3 Laboratory Hours: 0

ACCTG 208 COST ACCOUNTING  3 HRS. (TC)
Prerequisite: ACCTG 121 with a grade of "C" or better or department approval. This course deals with concepts and procedures applied in accumulation of cost data and use of data by management in performing functions of planning, decision-making, and control. Product cost systems, cost-volume-profit relationships, capital budgeting and inventory planning, control and valuation are topics emphasized.
Lecture Hours: 3 Laboratory Hours: 0

ACCTG 209 INTERMEDIATE ACCOUNTING III  3 HRS. (TC)
Prerequisite: ACCTG 207 with a grade of "C" or better. This course helps further the student's developmental knowledge with accounting theory and concepts as they relate to special financial statement components. Emphasis is placed upon appropriate financial statement reporting of revenue recognition, leases, accounting changes, and corrections of errors on prior financial statements. Additionally, preparation of the statement of cash flows along with in depth analysis of the statement is provided to assist students as to how this data aids day-to-day management business decision making. The capstone portion of the course looks at all of the full disclosure principles mandated as an accompaniment to business financial statements.
Lecture Hours: 3 Laboratory Hours: 0

ACCTG 216 ACCOUNTING AND INFORMATION SYSTEMS  3 HRS. (OC)
Prerequisite: ACCTG 105 with a grade of "C" or better. 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.
Lecture Hours: 2 Laboratory Hours: 2

ACCTG 255 INDEPENDENT STUDY  1-5 HR. (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 dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 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.
Lecture Hours: 1 Laboratory Hours: 15

Agricultural Business

AGBUS 110 INTRODUCTORY ECONOMICS OF FOOD, FIBER, AND NATURAL RESOURCES (AG 901)
This course is an introduction to the principles of economics including production principles; production costs, supply, and revenue; profit maximization; consumption analysis; market demands, price elasticity; market price determination; and competitive versus noncompetitive market models. These principles are applied to agriculture and the role of agriculture in the United States and world economics. Other topics include a survey of the world food situation; natural, human, and capital resources; commodity product marketing; and agricultural problems and policies.
Lecture Hours: 3 Laboratory Hours: 0

AGBUS 111 ECONOMICS OF AGRICULTURE  3 HRS. (TC)
This basic course covers the principles of production, supply, demand, price determination, and resource allocation as they apply to economic decisions in agriculture. It includes a study of commodity futures trading that emphasizes the use of hedging and options.
Lecture Hours: 3 Laboratory Hours: 0

AGBUS 112 AGRICULTURAL SALES  2 HRS. (OC)
This course provides an understanding of the basic principles underlying the sales process in agricultural supply and service firms. The student will become familiar with a problem solving approach to selling.
Lecture Hours: 2 Laboratory Hours: 0

AGBUS 115 COMPUTER TECHNOLOGY IN AGRICULTURE  3 HRS. (TC)
This course is an introduction to computer hardware, disk operating systems, file manipulation, and printers and the use of word processing, graphics, spreadsheet, and database management software. This course will also include solutions of agriculture data-related problems and use of prepared software and templates.
Lecture Hours: 2 Laboratory Hours: 2

AGBUS 118 AGRICULTURAL COMPUTATIONS  3 HRS. (OC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and MAT 095 Geometry or high school equivalent with a grade of "C" or better or placement score of 46 or higher or department approval and MAT 098 or two years of high school algebra with a grade of "C" or better or placement score of 46 or better or department approval. This course introduces the nature of mathematics in various fields such as turf management, horticulture, diesel mechanics,
agribusiness, etc. The course will focus on mathematical reasoning and skills to solve real-world problems. The course is designed for the student who is entering a trade related program.

Lecture Hours: 3 Laboratory Hours: 0

AGBUS 200 OCCUPATIONAL INTERNSHIP AND SEMINAR I 4 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.

Lecture Hours: 1 Laboratory Hours: 20 or equivalent

AGBUS 211 AGRICULTURE BUSINESS AND FINANCIAL MANAGEMENT 3 HRS. (OC)
This course will provide a study of agricultural business management as it applies to the management of farm operations. This course also includes the study of financial management through the use of resource appraisal, budgeting, financial record keeping, enterprise analysis, and capital and credit needs.

Lecture Hours: 3 Laboratory Hours: 0

AGBUS 212 MARKETING AGRICULTURAL PRODUCTS 3 HRS. (OC)
This course allows the student to survey implications for the producer, processor, distributor and consumer created by different marketing alternatives. A study of the functions and services of each phase of the marketing channel for livestock and grain producers is included. The use of the futures market is incorporated, as it applies to the marketing of livestock and grain. The course includes the study of different grading and standardization methods used in marketing agriculture products.

Lecture Hours: 3 Laboratory Hours: 0

AGBUS 214 OCCUPATIONAL INTERNSHIP AND SEMINAR II 4 HRS. (OC)
Prerequisite: Department approval. This course provides the student majoring in Agricultural Business Management with valuable on-the-job training to apply previous instruction to practical business problems.

Lecture Hours: 1 Laboratory Hours: 20 or equivalent

AGBUS 255 INDEPENDENT STUDY 1-5 HR. (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 dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. This course is repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Agricultural Mechanics

AGMEC 110 INTRODUCTORY AGRICULTURAL MECHANIZATION (AG 906) 3 HRS. (TC)
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.

Lecture Hours: 2 Laboratory Hours: 2

AGMEC 117 PRINCIPLES OF AGRICULTURAL MECHANICS 3 HRS. (OC)
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.

Lecture Hours: 2 Laboratory Hours: 2

Agriculture

AGRI 110 PRINCIPLES OF ANIMAL SCIENCE (AG 902) 4 HRS. (TC)
This is a survey course in animal science involving the basic principles of genetics, physiology, nutrition, and product technology as they apply to the breeding, selection, feeding, and management of cattle, swine, sheep, poultry and horses.

Lecture Hours: 3 Laboratory Hours: 2

AGRI 111 APPLIED LIVESTOCK PRODUCTION I 3 HRS. (OC)
This course introduces the student to the livestock industry and the basic principles of livestock production. The technical and scientific fields of breeding, selection, feeding, housing, and management are introduced as they apply to beef cattle, dairy cattle, sheep, goats, swine and horses.

Lecture Hours: 2 Laboratory Hours: 2

AGRI 112 BASIC SOILS 4 HRS. (TC)
This course provides fundamental principles of the nature and properties of soils, including origin, formation, and biological, chemical, and physical aspects. Soil dynamics, texture, structure, and soil reactions will be studied.

Lecture Hours: 3 Laboratory Hours: 3

AGRI 113 PRINCIPLES OF SOIL FERTILITY 3 HRS. (OC)
This course is designed to provide a basic knowledge of chemical properties of the various types of fertilizers, their production, use and relation to soil properties, environmental conditions, crop requirements and application. The economic implications of nitrogen, phosphorus, potassium, secondary and trace elements are considered.

Lecture Hours: 2 Laboratory Hours: 3

AGRI 114 APPLIED LIVESTOCK PRODUCTION II 3 HRS. (OC)
Prerequisite: AGRI 111 with a grade of “C” or better or department approval. This course will develop the students’ understanding of the breadth and scope of animal production with the emphasis on food producing animals. Students will be exposed to and develop the biological concepts and their relationship to contemporary production systems including economics, terminology and industry issues to enhance understanding and appreciation of the management of beef cattle, dairy cattle, sheep, goats and swine with special emphasis on management techniques to maximize production efficiency and profitability in animal production.

Lecture Hours: 2 Laboratory Hours: 2

AGRI 118 HARVESTING, DRYING, AND STORING GRAIN 2 HRS. (OC)
This course includes the principles of harvesting, drying and storing of various agricultural crops common to this vicinity. It also includes a study of the selection and operation of the equipment necessary to harvest, dry and store agricultural crops.

Lecture Hours: 2 Laboratory Hours: 0

AGRI 121 INTRODUCTION TO PRECISION AGRICULTURE 3 HRS. (OC)
This course will develop a fundamental understanding of the main facets of precision agriculture including: Global Positioning Systems (GPS), Geographical Information Systems (GIS), yield monitors, remote sensing, drones, grid soil sampling, variable rate application, and vehicle guidance to effectively use data to make informed production management decisions.

Lecture Hours: 2 Laboratory Hours: 2 or equivalent

AGRI 133 LIVESTOCK EVALUATION I 1 HR. (OC)
This course provides for the study of relationships between form and function in the live evaluation and selection of beef cattle, swine, sheep, and goats. The student studies how to make accurate decisions about livestock quality and to defend those decisions with logical reasons.

Lecture Hours: 1 Laboratory Hours: 2

AGRI 134 LIVESTOCK EVALUATION II 1 HR. (OC)
Prerequisite: AGRI 133 with a grade of “C” or better or department approval. This course is a continuation of Livestock Evaluation I (AGRI 133), and provides for continued study of the relationships between form and function in the live evaluation and selection of beef cattle, swine, sheep and goats. The student studies how to make accurate decisions about livestock quality and to defend those decisions with logical reasons.

Lecture Hours: 1 Laboratory Hours: 2

AGRI 200 INTRODUCTORY SOIL SCIENCE (AG 904) 4 HRS. (TC)
This course is designed to provide the student with a theoretical understanding of biological, chemical and physical properties of soils. Practical soil management and conservation practices are studied.

Lecture Hours: 3 Laboratory Hours: 3

AGRI 201 CROP PRODUCTION 4 HRS. (OC)
This course is a study of the production and harvesting of farm crops and means for improving yield and will constitute the major portion of instruction. Topics discussed include adaptation and distribution of major crops, principles of plant growth and development, selection of varieties, cultural practices, diseases of crops, and market classes and grades of major crops of the area.

Lecture Hours: 3 Laboratory Hours: 3

AGRI 203 INTEGRATED PEST MANAGEMENT 4 HRS. (OC)
This course is designed to encourage an integrated approach to pest management that ensures favorable economic, ecological, and sociological consequences. The use of genetics, biological, mechanical, cultural, and chemical methods of control will be emphasized, and the characteristics and properties of chemicals used in pest control will be studied. The identification of weeds, insects, and diseases will be incorporated with the proper methods to scout for these plant pests.

Lecture Hours: 3 Laboratory Hours: 3

AGRI 204 INTRODUCTORY CROP SCIENCE (AG 903) 4 HRS. (TC)
This course is an introduction to the kinds, origin, taxonomy, and morphology of field crops. Emphasis is placed on understanding basic principles of plant growth and development. A study of plant reproduction, crop improvement, and utilization of crops; cropping and tillage principles and practices, and field crop production hazards are included.

Lecture Hours: 3 Laboratory Hours: 3
American Sign Language

ASL 110 AMERICAN SIGN LANGUAGE I 4 HRS. (TC)
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, 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. Norms of American Deaf culture, related laws, and agencies that serve this community are presented. Lecture Hours: 3 Laboratory Hours: 2 or equivalent

ASL 111 AMERICAN SIGN LANGUAGE II 4 HRS. (TC)
Prerequisite: Completion of ASL 110 with a grade of “C” or better. An appropriate score on the placement exam or department approval. This course continues in the development of receptive and expressive proficiency in ASL by expanding students’ sign vocabulary, enhancing their knowledge and application of accurate grammatical points of the language, building upon their knowledge of American Deaf culture and the agencies that serve this community. Communication technologies that are utilized by the Deaf and hard of hearing populations will also be presented. Lecture Hours: 3 Laboratory Hours: 2 or equivalent

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 “C” better ENGL 099 or department approval. This course is designed to introduce and develop these four basic skills in modern Arabic: listening, speaking, reading, and writing. Lecture Hours: 4 Laboratory Hours: 0

ARA 111 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. Lecture Hours: 4 Laboratory Hours: 0

ARA 210 INTERMEDIATE MODERN ARABIC III 4 HRS. (TC)
Prerequisite: ARA 111 with a grade of “C” or higher or equivalent. This course is designed to develop integrated skills in reading, writing, listening, and speaking. The course is conducted primarily in Arabic. Lecture Hours: 4 Laboratory Hours: 0

ARA 211 INTERMEDIATE MODERN ARABIC IV (H 900) 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. Lecture Hours: 4 Laboratory Hours: 0
Architecture

ARCH 110 ARCHITECTURAL ORIENTATION 3 HRS. (TC)
This course consists of a series of lectures, seminars, and field trips designed to present the relation of architecture to other disciplines and professions, the role of the architect in society, and the challenges and opportunities of the profession.
Lecture Hours: 3 Laboratory Hours: 0

ARCH 111 INTRODUCTION TO ARCHITECTURAL RENDERING 2 HRS. (TC)
This introductory course includes architectural perspective sketching and architectural delineation in black and white media.
Lecture Hours: 1 Laboratory Hours: 2

ARCH 112 ARCHITECTURAL RENDERING IN COLOR 2 HRS. (TC)
Prerequisite: ARCH 111 with a grade of "C" or better. This course includes advanced architectural sketching, introduction of color media, description of speed techniques, and detailing.
Lecture Hours: 1 Laboratory Hours: 2

ARCH 115 INTRODUCTION TO THE ART AND SCIENCE OF GREEN BUILDING 3 HRS. (OC)
This introductory survey course will examine the core concepts of green building ranging from the global impacts of the built environment to the fundamentals of building science. Topics include sustainable site development, energy efficiency, renewable energy, project team integration, materials selection, and the concept of appropriate technology. The course will provide a cross-disciplinary approach to learning that enables students to integrate skills and knowledge from multiple sources and experiences, and apply their understanding to their professional and civic life.
Lecture Hours: 3 Laboratory Hours: 0

ARCH 131 ARCHITECTURAL CONSTRUCTION I 4 HRS. (TC)
Prerequisite: ARCH 137 with a grade of "C" or higher or ARCTK 111 with a grade of "C" or higher. This course is an introduction to building construction for design professionals. It includes the study of materials, products and systems for buildings and the criteria for their selection with emphasis on wood and masonry construction, legal and economic implications and cost control, written and graphic communications for construction are also included in this course.
Lecture Hours: 2 Laboratory Hours: 6

ARCH 132 ARCHITECTURAL CONSTRUCTION II 4 HRS. (TC)
Prerequisite: ARCH 131 with a grade of "C" or better. This course covers the building process, the architect-engineer, builder and manufacturer. A continuation of ARCH 131, this course includes further study and analysis of materials, products and systems with an emphasis on non-combustible and fire resistive building construction as well as building code and zoning requirements and specifications. This course also includes a study of building construction through the preparation of architectural and structural working drawings.
Lecture Hours: 2 Laboratory Hours: 6

ARCH 137 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.
Lecture Hours: 1 Laboratory Hours: 5

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.
Lecture Hours: 1 Laboratory Hours: 3

ARCH 139 ARCHITECTURAL FREEHAND DRAWING II 2 HRS. (TC)
Prerequisite: ARCH 138 with a grade of "C" or better. This studio course is a continuation of ARCH 138 with emphasis on other media and an accelerated pace in freehand architectural sketching techniques.
Lecture Hours: 1 Laboratory Hours: 3

ARCH 201 BASIC DESIGN STUDIO I 3 HRS. (TC)
Prerequisite: ARCH 137 with a grade of "C" or better and ARCH 139 with a grade of "C" or better. This course is an introduction to fundamentals of architectural design: object, perception and light. Vocabulary includes: figure-ground composition, balance and movement, proportion and rhythm, mass-space organization, multiple viewing positions, one- and two-point perspective, orthographic projection and freehand drawing.
Lecture Hours: 1 Laboratory Hours: 6
Course Descriptions

ARCH 202 BASIC DESIGN STUDIO II 3 HRS. (TC)
Prerequisite: ARCH 201 with a grade of "C" or better. This course is an extension of ARCH 201 with prime emphasis on major factors which influence aesthetic decisions, relation of the physical and human environment to design, and integration of design, and notation and evaluation of an image system in the local community.
Lecture Hours: 1 Laboratory Hours: 6

ARCH 203 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.
Lecture Hours: 3 Laboratory Hours: 0

ARCH 204 ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING I 3 HRS. (OC)
Prerequisite: ARTCT 111 or ARCH 137 both with a grade of "C" or better. This course is intended to be the first in a series of courses to introduce the architectural student or professional to the basic concepts of computer aided design and drafting using AutoCAD software. The student will be introduced to the basic commands of the systems in developing three-dimensional modeling and two-dimensional drawings. Students will gain experience in generating, manipulating and editing graphics and 3-D modeling along with creating library parts for graphic display. Additional topics in text and dimensioning will be introduced. This course may be repeated twice; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.
Lecture Hours: 2 Laboratory Hours: 3

ARCH 205 ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING II 3 HRS. (OC)
Prerequisite: ARCH 204 with a grade of "C" or better. This course is the second in a series of courses to introduce the architectural student or professional to the concepts of the architectural, engineering and construction applications of the AutoCAD System using architectural Desktop software. The student will be introduced to the commands of the advanced software to generate multiple building plans and elevations. Discussion of multi-discipline designs using layers and three-dimensional manipulation and further discussion of menus and model parts in the advanced software will be covered. This course may be repeated twice; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.
Lecture Hours: 2 Laboratory Hours: 3

ARCH 206 ARCHITECTURAL COMPUTER AIDED DESIGN AND DRAFTING III 3 HRS. (OC)
Prerequisite: ARCH 204 with a grade of "C" or better. This course is the third in a series of courses to introduce the architectural student or professional to the concepts of the Civil-Site Engineering applications of the AutoCAD System software. The student will be introduced to creation and annotation of map grids and stake plan grid coordinates. Discussion of contours and generation of 3-D digital terrain models will be covered. This course may be repeated twice; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.
Lecture Hours: 2 Laboratory Hours: 3

Art

ART 110 ART APPRECIATION (F2 900) 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.
Lecture Hours: 3 Laboratory Hours: 0

ART 111 2D DESIGN 3 HRS. (TC)
This course is a studio course which investigates traditional and experimental processes and materials involved in two-dimensional design elements, principles of organization and surface treatment.
Lecture Hours: 0 Laboratory Hours: 6

ART 120 DRAWING I 3 HRS. (TC)
This course is an introduction to the basic concepts and techniques of drawing, using a variety of black and white media. Emphasis will be placed on the development of observation skills. Additional interpretive approaches to drawing will be explored as well. The course will also introduce discipline-specific vocabulary, critical analysis skills, and historical information relevant to drawing.
Lecture Hours: 0 Laboratory Hours: 6

ART 121 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 concepts of creating illusionary space, with relation to the human form, to achieve accurate proportions, anatomy, and effective composition.
Lecture Hours: 0 Laboratory Hours: 6 or equivalent

ART 140 PHOTOGRAPHY I 3 HRS. (TC)
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.
Lecture Hours: 0 Laboratory Hours: 6

ART 141 PHOTOGRAPHY II 3 HRS. (TC)
Prerequisite: ART 140 with a grade of "C" or better or department approval. This course builds on and refines experiences of Photography I, emphasizing creative and aesthetic applications of photography explored through the study of advanced techniques in digital and/or darkroom format. The student will gain experience in all phases of photography, including but not limited to camera functions, image manipulation, studio practice, lighting, and development of a professional portfolio.
Lecture Hours: 0 Laboratory Hours: 6 or equivalent

ART 142 THE HISTORY OF PHOTOGRAPHY (F2 904) 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 photographic processes, various artists, and aesthetic movements within the discipline. Students examine photographs as expressions of aesthetic and humanistic value, in relation to the cultural and social context of the time.
Lecture Hours: 3 Laboratory Hours: 0

ART 150 ART HISTORY I (F2 901) 3 HRS. (TC)
Prerequisite: 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.
Lecture Hours: 3 Laboratory Hours: 0

ART 151 ART HISTORY II (F2 902) 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.
Lecture Hours: 3 Laboratory Hours: 0

ART 152 NON-WESTERN ART HISTORY (F2 903N) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a survey of art in Non-Western cultures, from the pre-historic to the present. Cultures may include, but are not limited to, the following: China, Japan, Africa, India, The Pacific Rim, and the Americas.
Lecture Hours: 3 Laboratory Hours: 0

ART 200 PAINTING I 3 HRS. (TC)
Prerequisite: ART 111 with a grade of "C" or better and ART 120 with a grade of "C" or better. This course is an introduction to the basic properties and techniques of painting, in either oil or acrylic painting media. An emphasis will be placed on technical control, use of tools and media, and continued investigations of color theory, composition, and visual principles. Various projects from observational study to experimental use of the media will be explored. The course will also introduce discipline-specific vocabulary, critical analysis skills, and historical information relevant to painting.
Lecture Hours: 0 Laboratory Hours: 6

ART 201 PAINTING II 3 HRS. (TC)
Prerequisite: ART 200 with a grade of "C" or better or department approval. This course builds on and refines experiences of Painting I, emphasizing creative and aesthetic applications of painting, explored through the study of advanced concepts and techniques. This course intended to offer additional studio and portfolio experience. Emphasis will be placed on personal creative development through further experimentation with material's concepts and techniques, on a variety of surfaces.
Lecture Hours: 0 Laboratory Hours: 6 or equivalent

ART 204 CERAMICS I 3 HRS. (TC)
This course explores the design, construction and glazing processes through hand-built and wheel-thrown pottery.
Lecture Hours: 0 Laboratory Hours: 6
ART 205 CERAMICS II 3 HRS. (TC)
Prerequisite: ART 204 with a grade of "C" or better or department approval. This course further explores the design, construction and glazing processes through hand-built and wheelthrown pottery.
Lecture Hours: 0 Laboratory Hours: 6

ART 206 SCULPTURE I 3 HRS. (TC)
Prerequisite: ART 112 with a grade of "C" or better or department approval. This beginning sculpture course acquaints the student with both traditional and contemporary sculpture techniques and materials, involving skills in carving, casting, construction and assemblage.
Lecture Hours: 0 Laboratory Hours: 6

ART 210 PRINTMAKING 3 HRS. (TC)
Prerequisite: ART 111 with a grade of "C" or better or ART 121 with a grade of "C" or better. This course is an introduction to a variety of basic printmaking techniques with an emphasis on collograph, linoleum, woodblock, engraving and etching processes.
Lecture Hours: 0 Laboratory Hours: 6

ART 221 FIGURE DRAWING II 3 HRS. (TC)
Prerequisite: ART 121 with a grade of "C" or better or department approval. This course builds on and refines experiences of Figure Drawing I, emphasizing creative and aesthetic applications of figure drawing explored through additional studio experience with the model. Emphasis will be placed on personal creative development through further experimentation with materials and techniques, on a wider variety of surfaces, papers, and scale.
Lecture Hours: 0 Laboratory Hours: 6 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.
Lecture Hours: 0 Laboratory Hours: 6 or equivalent

ART 255 ART INTERNSHIP 1-3 HRS. (TC)
Prerequisite: Department approval. This course is designed to give the student/ intern experiences in his/her chosen field of interest under the direct supervision of a professional (Director, Assistant Director, Artist) while engaged in on-the-job training. The student/intern will also do individual research and study on approved area of interest and will attend biweekly lectures. The student/intern will be responsible for maintaining five laboratory hours per week per credit.
Lecture Hours: 0 Laboratory Hours: 5 - 15 or equivalent

Automotive Technology

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 spark ignition engines.
Lecture Hours: 2 Laboratory Hours: 3

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.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 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 transportation industry.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 115 FUEL AND IGNITIONS SYSTEMS FOR GASOLINE ENGINES 4 HRS. (OC)
Prerequisite: AUTO 110 or ENGR 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.
Lecture Hours: 3 Laboratory Hours: 3

AUTO 116 ELECTRICAL ACCESSORY CIRCUITS 3 HRS. (OC)
Prerequisite: AUTO 114 with a grade of "C" or better. This course covers electrical components and systems associated with the transportation industries and their applications. Diagnostic techniques and repair procedures are emphasized.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 117 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, dis-assembly and repair of standard transmissions, differentials, axles, four wheel drive and transfer cases found in current automobiles.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 119 AUTOMOTIVE SUSPENSION, STEERING AND ALIGNMENT 3 HRS. (OC)
Prerequisite: Department approval. This course is a study of the design and operation of suspension and steering systems used in the automotive industry. It includes the use of diagnostic equipment and making component repairs on current automobiles.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 120 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. Manufacturers' specifications will be utilized in performing standard service operations. Automotive engine cooling systems are also covered in the course.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 201 ENGINE MACHINING AND REBUILDING 4 HRS. (OC)
Prerequisite: AUTO 110 with a grade of "C" or better; within five years of registration for this course. This course consists of internal engine design, diagnosis and rebuilding. Emphasis will be placed upon cylinder, cylinder head, crankshaft, and bearing repair.
Lecture Hours: 2 Laboratory Hours: 6

AUTO 204 AUTOMOTIVE BRAKE SYSTEMS 3 HRS. (OC)
Prerequisite: Department approval. This course is a study of the design and operation of brake systems used in the automotive industry. It includes the use of diagnostic equipment and making component repairs on current automobiles.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 213 ENGINE PERFORMANCE AND TESTING 3 HRS. (OC)
Prerequisite: AUTO 110, AUTO 115, AUTO 201, and AUTO 244 all with a grade of "C" or better, or department approval. This course covers the operation, calibration, and use of measuring instruments in testing internal combustion engines and related equipment. On-the-engine tests such as: brake, horsepower, torque, and fuel consumption are included in the laboratory work.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 226 MOTOR VEHICLE ELECTRONICS 3 HRS. (OC)
Prerequisite: AUTO 244 with a grade of "C" or better. This course provides the background needed to diagnose and repair the sophisticated electronics and computerized circuits within the motor vehicles used in the agricultural, heavy equipment and transportation industries. Basic electronic concepts, component function and system operation are covered. Manufacturers' procedures are taught to identify malfunctions and to test the systems properly.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 228 AUTOMATIC TRANSMISSIONS 3 HRS. (OC)
Prerequisite: AUTO 117 with a grade of "C" or better. This course explores the transmission of power from the internal combustion engine by mechanical and hydraulic means. Problems in design and application are solved. The laboratory experience includes inspection, dis-assembly, and repair of automatic transmissions, torque converters and trans-axes.
Lecture Hours: 2 Laboratory Hours: 3

AUTO 243 SHOP PRACTICES 4 HRS. (OC)
Prerequisite: Department approval. This course is designed to provide an overview of the motor vehicle service industry. The course will examine employment opportunities and job requirements within the sales, service, and parts department of independent shops, mass-merchandisers, vehicle service departments, and franchised dealerships. Local dealers and shop owners as well as their technicians will be utilized in helping the students gain the required knowledge to become successful technicians. Emphasis will be placed on facilities, pricing service labor and parts, accounting, warranty, and supervision of personnel.
Lecture Hours: 2 Laboratory Hours: 6
Biology

BIOL 106 HUMAN BIOLOGY 4 HRS. (OC)
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.
Lecture Hours: 3 Laboratory Hours: 2

BIOL 110 LIFE SCIENCE (L1 900L) 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.
Lecture Hours: 3 Laboratory Hours: 2

BIOL 111 THE BIOLOGY OF MAN (L1 900L) 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.
Lecture Hours: 3 Laboratory Hours: 2

BIOL 114 ENVIRONMENTAL BIOLOGY (L1 905L) 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.

Banking

BANK 110 PRINCIPLES OF BANK OPERATIONS 3 HRS. (OC)
This course touches on nearly every aspect of banking from the fundamentals of negotiable instruments to contemporary issues and developments within the industry.
Lecture Hours: 3 Laboratory Hours: 0

BANK 115 LAW AND BANKING 3 HRS. (OC)
This course is a banker’s guide to law and legal issues, with special emphasis on the Uniform Commercial Code.
Lecture Hours: 3 Laboratory Hours: 0

BANK 116 LAW AND BANKING APPLICATIONS 3 HRS. (OC)
This course provides an introduction to the legal aspects of banking. It is designed to educate the student on the many laws pertaining to secured transactions, letters of credit, and the bank collection process.
Lecture Hours: 3 Laboratory Hours: 0

BANK 120 MONEY AND BANKING 3 HRS. (OC)
Prerequisite: BANK 110 with a grade of "C" or better or department approval. This course presents a fundamental treatment of how money functions in the U.S. and world economics. Topics include the concept of money supply and the role your bank plays as a money creator and participant in the nation’s payment mechanism. The course also explains how the various types of financial institutions operate, the workings of monetary and fiscal policies, the functions and powers of the Federal Reserve, and more.
Lecture Hours: 3 Laboratory Hours: 0

BANK 125 ANALYZING FINANCIAL STATEMENTS 3 HRS. (OC)
Prerequisite: ACCTG 120 with a grade of "C" or better. This course is designed to give a thorough understanding of financial statements and interpretation so credit can be extended soundly and constructively. The student is introduced to practical problems in financial statement analysis.
Lecture Hours: 3 Laboratory Hours: 0

BANK 212 BANK MARKETING 3 HRS. (OC)
This course looks at what motivates customers to purchase financial services and teaches bankers how to develop a successful marketing plan. It gives insight to how marketing affects all aspects of banking.
Lecture Hours: 3 Laboratory Hours: 0

Biology

BIOL 115 NATIVE PLANTS AND ANIMALS (L1 905L) 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.
Lecture Hours: 3 Laboratory Hours: 2

BIOL 120 GENERAL BOTANY (L1 901L) 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 system levels of development. It is intended as a survey of basic anatomy and physiology principles and relationships appropriate for students in certain degree programs. Please check your specific program requirements.
Lecture Hours: 3 Laboratory Hours: 2

BIOL 130 GENERAL ZOOLOGY (L1 902L) 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.
Lecture Hours: 3 Laboratory Hours: 3

BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY I (L1 904L) 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 system levels of development. It is intended as a survey of basic anatomy and physiology principles and relationships appropriate for students in certain degree programs. Please check your specific program requirements.
Lecture Hours: 3 Laboratory Hours: 0

BIOL 150 GENETICS (L1 906) 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.
Lecture Hours: 3 Laboratory Hours: 0

BIOL 160 BIOPRINCIPLES I (BIO 910 L1 910L) 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, and completion of MATH 115 or a score of 46 or higher on the College Algebra COMPASS test or any score on the Trigonometry COMPASS test 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.
Lecture Hours: 3 Laboratory Hours: 3

BIOL 161 BIOPRINCIPLES II (BIO 910 L1 910L) 4 HRS. (TC)
Prerequisite: BIOL 160 with a grade of "C" or better. This course completes a one-year sequence on biology principles. Topics include 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.
Lecture Hours: 3 Laboratory Hours: 3

BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I (L1 904L) 4 HRS. (TC)
Prerequisite: (#1) A score of 81 or higher on the COMPASS Reading Placement Test (or an ACT score of 18 or higher) AND (#2) completion with a grade of "C" or better of CHEM 115 or higher AND BIOL 111 or BIOL 160 or a passing score on the Anatomy & Physiology Placement Test OR department approval. This course studies the structural relationships of the body at the molecular, cellular, tissue, organ, and system levels with an emphasis on the integration of human function. BIOL 205 covers introductory cell biology and cellular physiology and the Integumentary, Nervous, Endocrine, and Reproductive Systems.
Lecture Hours: 3 Laboratory Hours: 2.5

BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II 4 HRS. (TC)
Prerequisite: BIOL 205 or equivalent with a grade of "C" or better. This course is a continuation of BIOL 205 that studies the structural and functional relationships and interdependence of body systems. Laboratory exercises in anatomy and physiology are part of this course. The organ systems covered include: Skeletal, Muscular, Cardiovascular, Respiratory, Lymphatic, Urinary, and Digestive.
Lecture Hours: 3 Laboratory Hours: 2.5
Biol 210 Microbiology
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.
Lecture Hours: 2 Laboratory Hours: 4

Biol 230 Vertebrate Zoology
Prerequisite: Biol 110, 111, 130, or 160 with a "C" or better or department approval. This course is a study of fish, amphibians, reptiles, birds, and mammals, and covers their anatomy, evolution, physiological ecology, and classification. The laboratory provides intensive anatomical work on several representative species.
Lecture Hours: 3 Laboratory Hours: 3

Biol 250 Field Biology (L1 905L)
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 interdependency of life forms and their association with physical and climatic features of their environment. Students are required to prepare a notebook stressing biological concepts studied. A student must be physically fit for camping and hiking. Often taught concurrently with EASC 250. The three-week period will include lecture as well as field studies. Ten hours of class presentation followed by three weeks of field study.
Lecture Hours: 2 Laboratory Hours: 4

Bridge
BRGDE 081 Bridge Transitions: Career and Postsecondary Education - ABE
Prerequisite: Reading level of 7.0 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course helps students examine the components of career choice, acquire the skills necessary to obtain employment and succeed in the workplace, and learn how to navigate college services and processes. It is generally offered in conjunction with a contextualized basic skills bridge course and BRGDE 080.
Lecture Hours: 1 Laboratory Hours: 2

BRGDE 082 Manufacturing Bridge - ABE
Prerequisite: Reading level of 7.0 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course is designed to provide reading, writing, and math skills instruction using resources and materials related to manufacturing. Students will gain occupational knowledge and skills and be introduced to key concepts and terminology. They will develop the personal, academic, and computer skills needed for study and work in this career pathway. This course does not provide training in a manufacturing-specific occupation. Students will also be enrolled in BRGDE 081 to refine their career goals and research specific interests, as well as receive services to assist with the transition to post-secondary education and/or a career in manufacturing.
Lecture Hours: 3 Laboratory Hours: 0

BRGDE 091 Bridge Transitions: Career and Postsecondary Education - ASE
Prerequisite: Reading level of 9.0 or higher on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course helps students examine the components of career choice, acquire the skills necessary to obtain employment and succeed in the workplace, and learn how to navigate college services and processes. It is generally offered in conjunction with a contextualized basic skills bridge course and BRGDE 090.
Lecture Hours: 1 Laboratory Hours: 2

BRGDE 092 Manufacturing Bridge - ASE
Prerequisite: Reading level of 9.0 or higher on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course is designed to provide reading, writing, and math skills instruction using resources and materials related to manufacturing. Students will gain occupational knowledge and skills and be introduced to key concepts and terminology. They will develop the personal, academic, and computer skills needed for study and work in this career pathway. This course does not provide training in a manufacturing-specific occupation. Students will also be enrolled in BRGDE 081 to refine their career goals and research specific interests, as well as receive services to assist with the transition to post-secondary education and/or a career in manufacturing.
Lecture Hours: 3 Laboratory Hours: 0

Business
BUS 110 Introduction to Business
This course covers the factual and informational survey of business designed to give the student a background for understanding the principles and practices governing the operation of modern business.
Lecture Hours: 3 Laboratory Hours: 0

BUS 111 International Business
This course introduces the student to the fundamentals and the essentials of international business and improves their understanding of the domestic, foreign, and international business environments in the global marketplace and their impact on the U.S. economy.
Lecture Hours: 3 Laboratory Hours: 0

BUS 112 Introduction to Business Careers
This course provides the student with a knowledge-based understanding of business-related careers. Self-analysis, analysis of business careers, and characteristics that enhance the likelihood of success are included.
Lecture Hours: 1 Laboratory Hours: 0

BUS 115 Business Law
This course emphasizes formation and application of contract, sales, and secured transactions law as it relates to business situations. Limited discussion is presented on criminal, tort, and agency law.
Lecture Hours: 3 Laboratory Hours: 0

BUS 116 Business Law
Prerequisite: BUS 115 with a grade of "C" or better. This course is a continuation of BUS 115. Topics include: business organizations, public law, the nature and use of commercial instruments, and personal and real property.
Lecture Hours: 3 Laboratory Hours: 0

BUS 120 Business Mathematics
Prerequisite: 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; or appropriate score on the math placement test; or department approval. This course develops skills in handling mathematics in business transactions, fundamental processes, percentage, discount, interest, profit and loss, payrolls, and taxes, charges for credit, financial statements, insurance, stocks, bonds, metric system, inventories, depreciation, statistics and annuities.
Lecture Hours: 3 Laboratory Hours: 0

BUS 121 Principles of Customer Service
This course focuses on the importance of customer service, perception, and satisfaction, and the application of various customer relation systems in the marketplace. The course is designed to promote an understanding of the principles of customer service in general and how the application of customer service specifically contributes to positive customer perception and the success of business. Emphasis is placed on the importance of excellence in service to retain customers and gain a competitive advantage.
Lecture Hours: 3 Laboratory Hours: 0

BUS 141 Special Topics
This special topics course will vary to allow an examination of various topics of interest in the business area. Each section offered will present a unique topic of value to students in business. This course may be repeated three times if the topic and content are different. Lecture Hours per week will vary depending upon the credit given and course content in each section offered.
Lecture Hours: 5 - 3 Laboratory Hours: 0

BUS 151 Job Orientation
This course employs a series of activities designed to identify and improve skills sought by employers of job candidates and current employees in the workplace. Presented in a workshop format, each session is devoted to one or more group activities focused on the development and/or refinement of a specific job skill. The class culminates in group presentations that require the members of each group to use all of the skills practiced during the course. Targeted skills include, but are not limited to: communication; teamwork; problem-solving; decision-making; and data analysis and presentation.
Lecture Hours: 2 Laboratory Hours: 0

BUS 200 Human Relations in Business
This course examines the problems of discipline, motivation, communications, authority, social change, and teamwork through case studies.
Lecture Hours: 3 Laboratory Hours: 0
**Caterpillar Dealer Service Technology**

**CATTK 110 CATERPILLAR ENGINE FUNDAMENTALS**
4 HRS. (OC)
Prerequisite: Department approval. This course discusses the principles of compression ignited internal combustion engines and variations in design. Caterpillar engines will be used in the class.
Lecture Hours: 2 Laboratory Hours: 6

**CATTK 111 INTRODUCTION TO CATERPILLAR SERVICE INDUSTRY**
2 HRS. (OC)
Prerequisite: Department approval. This course provides instruction and laboratory experience in shop safety, shop operation and how to obtain Caterpillar service information.
Lecture Hours: 1 Laboratory Hours: 3

**CATTK 112 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 helping students identify hydraulic problems in the areas of servicing and maintaining equipment. Laboratory practices include disassembly and reassembly of components and tracing circuits.
Lecture Hours: 2 Laboratory Hours: 3

**CATTK 113 CATERPILLAR ENGINE FUEL SYSTEMS**
3 HRS. (OC)
Prerequisite: CATTK 110 with a grade of "C" or better and department approval. This course is a study of combustion chamber design, Caterpillar fuel injection systems, diagnosing faults in fuel injection and combustion systems.
Lecture Hours: 2 Laboratory Hours: 3

**CATTK 114 FUNDAMENTALS OF 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 to diagnose electrical problems found on Caterpillar equipment and engines.
Lecture Hours: 2 Laboratory Hours: 3

**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.
Lecture Hours: 1 Laboratory Hours: 3

**CATTK 116 FUNDAMENTALS OF TRANSMISSIONS & TORQUE CONVERTERS**
3 HRS. (OC)
Prerequisite: CATTK 112 with a grade of "C" or better and department approval. This course is a study of the various transmissions and differential used in Caterpillar equipment, including constant mesh, sliding gear, hydrostatic, synchronmesh, and the newer transmissions involving planetary sets. An understanding of the operation, maintenance, and adjustment of the clutch and brakes will be an integral part of this course.
Lecture Hours: 2 Laboratory Hours: 3

**CATTK 117 MACHINE HYDRAULIC SYSTEMS**
3 HRS. (OC)
Prerequisite: CATTK 112 with a grade of "C" or better and department approval. This course is designed for inspecting, testing, and servicing, and diagnosing Caterpillar hydraulic circuits, systems, and components. Appropriate testing procedures and equipment will be utilized.
Lecture Hours: 2 Laboratory Hours: 3

**CATTK 150 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. Student's needs and objectives determine major emphasis. Forty hours per week.
Lecture Hours: 0 Laboratory Hours: 40

**CATTK 151 INTERNSHIP II**
4 HRS. (OC)
Prerequisite: CATTK 150 with a grade of "C" or better and department approval. This supervised experience is required of students enrolled in the Caterpillar Dealer Service Technology curriculum. The placement experience is obtained through the cooperation of an employer. Student's needs and objectives determine major emphasis. Forty hours per week.
Lecture Hours: 0 Laboratory Hours: 40

**CATTK 199 UNDERCARRIAGE/FINAL DRIVES**
3 HRS. (OC)
Prerequisite: Department approval. This course is designed to study the various driveline systems found on Caterpillar equipment. The course content will cover brakes, suspension, undercarriage, and steering components.
Lecture Hours: 2 Laboratory Hours: 3

**CATTK 201 MACHINE ELECTRONIC SYSTEMS**
3 HRS. (OC)
Prerequisite: CATTK 144 with a grade of "C" or better and department approval. This course provides the background needed to diagnose and repair the sophisticated electronics and computerized circuits found on Caterpillar equipment and engines. Basic system operation, electronic concepts, and component function are covered. Caterpillar procedures are taught to identify malfunctions and to test the systems properly.
Lecture Hours: 2 Laboratory Hours: 3

**CATTK 202 CATERPILLAR ENGINE PERFORMANCE**
2 HRS. (OC)
Prerequisite: CATTK 113 and 201 with a grade of "C" or better and department approval. This course provides a thorough understanding of the necessary diagnostic skills required for troubleshooting Caterpillar engines and fuel systems. Emphasis will be placed upon knowledge and skills necessary to assure product reliability and performance.
Lecture Hours: 1 Laboratory Hours: 3
CHEM 120 PRINCIPLES OF CHEMISTRY I (P1 902L) 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, and completion of MAT 098 with a grade of "C" or better or a Math Placement score of 66 or higher on the Algebra COMPASS test or any score on the College Algebra or Trigonometry COMPASS 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 (BSN) and allied health professions, agriculture, family and consumer science, computer science, prereq for general chemistry sequence (CHEM 130 / CHEM 132), or as a general education course. The important mathematical skills involved in basic chemistry are developed, but overall there is less mathematical emphasis than in CHEM 130.
Lecture Hours: 3 Laboratory Hours: 3

CHEM 122 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.
Lecture Hours: 3 Laboratory Hours: 3

CHEM 130 GENERAL CHEMISTRY (CHM 911 P1 902L) 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and completion of one year of high school chemistry with a grade "C" or better or CHEM 120 with a grade of "C" or better and completion of MATH 115 with a "C" or better or a score of 46 or higher on the College Algebra COMPASS test or any score on the Trigonometry COMPASS test. 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.
Lecture Hours: 3 Laboratory Hours: 3

CHEM 131 GENERAL CHEMISTRY 3 HRS. (TC)
Prerequisite: CHEM 130 with a grade of "C" or better or department approval. This course is a continuation of CHEM 130. The course includes ion, equilibrium, electrochemistry, thermochemistry, nuclear chemistry, and survey of the elements.
Lecture Hours: 3 Laboratory Hours: 0

CHEM 132 GENERAL CHEMISTRY (CHM 912) 4 HRS. (TC)
Prerequisite: CHEM 130 with a grade of "C" or better or department approval. This course is a continuation of CHEM 130. It includes ion, equilibrium, electrochemistry, thermochemistry, nuclear chemistry, and a survey of the elements. Laboratory includes semi-micro qualitative analysis.
Lecture Hours: 3 Laboratory Hours: 3

CHEM 210 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 the fundamental theory and practical aspects of the traditional and modern areas of chemical analysis methods. The course covers traditional topics such as sample preparation, data collection and analysis. The course also covers the three major areas of modern instrumental methods of analysis: spectroscopy, separations, and electrochemistry. The course will emphasize the physical and chemical principles upon which analytical techniques are based, how analytical instruments and their components operate, and how these techniques can be used to solve analytical problems.
Lecture Hours: 3 Laboratory Hours: 3

CHEM 220 ORGANIC CHEMISTRY (CHM 913) 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. The laboratory includes macro and micro scale techniques and synthesis. Gas and liquid chromatography as well as infrared instrumentation are used to identify synthesized compounds.
Lecture Hours: 4 Laboratory Hours: 1

CHEM 230 ORGANIC CHEMISTRY (CHM 914) 4 HRS. (TC)
Prerequisite: CHEM 220 with a grade of "C" or better or equivalent. This course is a continuation of CHEM 220; which includes chemistry involving alkenes, deoxygenated pi systems and benzene, carbonyl and carboxylic systems and concludes with advanced chemistry. The laboratory includes multiple-hybrid synthesis, the utilization of NMR and GC-MS instrumentation to aid in structure elucidation, and the continued emphasis on chromatographic techniques.
Lecture Hours: 3 Laboratory Hours: 3

Child Development

CHILD 110 INTRODUCTION TO EARLY CHILDHOOD 3 HRS. (OC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This survey course provides an overview of early childhood care and education including historical and cultural perspectives, organization, structure, programming, and evidence-based practices. Professional and evidence-based
practices of highly qualified early childhood educators are outlined with an emphasis on their ability to enhance development and learning of each and every child between the ages of birth and eight. Considerations for diversity of culture, language, race, socioeconomic status, gender, ethnicity, and ability will be included. Students will spend a minimum of fifteen hours of observation in diverse early childhood settings, the majority of which will be outside of class time.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 120 GROWTH AND DEVELOPMENT OF THE YOUNG CHILD
Prerequisite: COMPASS reading score of 81 or higher, or equivalent English course successfully completed with a grade of "C" or better. This course provides an overview of the theory and principles of human growth and development from conception to age eleven. Content includes an in-depth study of the inter-relatedness of social, emotional, physical, and cognitive aspects of development. Development is studied in the context of family, gender, culture, language, ability, socioeconomic, diversity, and society. Special emphasis will be the theories of Piaget, Vygotsky, Erikson, and Gardner. Four field observations are required outside of class time.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 130 CURRICULUM FOR EARLY CHILDHOOD PROGRAMS
Prerequisite: CHILD 110 and CHILD 120 both with a grade of "C" or better or department approval. The principals involved in planning, implementing, and evaluating developmentally appropriate, evidence-based curriculum for young children are studied. The course focuses on relationships among developmental theory, philosophy, practice, and development of curriculum based on the needs and interests of young children, including those who are culturally, linguistically, and ability diverse. The analysis of a wide range of early childhood curriculum models is emphasized. Six field experiences will be required outside of class time.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 132 INFANT-TODDLER DEVELOPMENT
Prerequisite: CHILD 110 and CHILD 120 both 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.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 134 OBSERVATION AND ASSESSMENT OF YOUNG CHILDREN
Prerequisite: Successful completion of CHILD 110 and CHILD 120 with a grade of "C" or better, or department approval. This course is designed to demonstrate to the student how to do authentic, alternative, classroom-based assessment on young children and how to appropriately use standardized test information. The course will further provide the student with the knowledge and skills to interpret and use the information gathered to plan curriculum that is responsive to and supportive of children's learning and development. Students will have the opportunity to engage in assessment processes through means of classroom observations, providing each student with a stronger understanding of child development skills. Students learn about and explore a variety of age, individually, linguistically and culturally appropriate formal and informal assessments to gather and share information on each child's skills, abilities, interests, and needs, birth through age 8. Includes field experiences outside of class time.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 140 CHILD, FAMILY, AND COMMUNITY
Prerequisite: CHILD 110 and CHILD 120 both with a grade of "C" or better or department approval. This course focuses on the diverse needs of the child within the context of family, school and community. The course will examine the interplay of diverse cultures, lifestyles, abilities, language and communication with the role of the early childhood environment and other community institutions. Students will gain an understanding of their professional role in supporting evidence-based practices that strengthen respectful, collaborative family/child partnerships through effective use of community and family resources.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 142 HEALTH, SAFETY, AND NUTRITION FOR THE YOUNG CHILD
Prerequisite: CHILD 110 and CHILD 120 both with a grade of "C" or better or department approval. This course provides an overview of the health, safety and nutritional needs of young children and early childhood practices to ensure the health and well-being of each child in a group setting. Content includes roles and responsibilities of adults in meeting children's diverse needs, the promotion of healthy lifestyle practices, understanding common childhood illnesses and injuries, meeting health, nutrition and safety standards, and planning nutritious meals that are appropriate for each child.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 200 EARLY CHILDHOOD SPECIAL EDUCATION
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.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 230 PROGRAM PLANNING
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.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 231 LITERATURE FOR CHILDREN
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.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 232 LANGUAGE AND LITERACY DEVELOPMENT IN EARLY CHILDHOOD
Prerequisite: CHILD 130 with a grade of "C" or better, or department approval. This course involves a comprehensive study of the acquisition of spoken and written language from infancy through adolescence. Bilingual development is included. This course includes field experiences outside of class time.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 235 TEACHING DIVERSE POPULATIONS
Prerequisite: CHILD 130 with a grade of "C" or better, or department approval. This course explores theories and processes for understanding and working with culturally diverse groups in educational settings, and implications for educational programs for children from birth to eight years. This course includes field experiences outside of the class time.

Lecture Hours: 3 Laboratory Hours: 0

CHILD 240 CHILD DEVELOPMENT PRACTICUM I
Prerequisite: Department approval. This course deals with the practical application of evidence-based practices based on early childhood education principles and theories. Students work with diverse young children and families in high-quality, culturally, linguistically, and ability diverse early childhood settings under the supervision of a site supervisor and a college course work supervisor. Six hours of lab work will be required each week.

Lecture Hours: 1 Laboratory Hours: 6

CHILD 241 CHILD DEVELOPMENT EXPERIENCES II
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.

Lecture Hours: 2 Laboratory Hours: 12 or equivalent

Chinese

CHN 110 ELEMENTARY MANDARIN CHINESE I
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or "C" or better in ENGL 095 or "C" or better in ENGL 098 or department approval. This course is an introduction to Mandarin Chinese. It is designed to develop four basic skills in Mandarin Chinese: listening, speaking, reading, and writing.

Lecture Hours: 4 Laboratory Hours: 0

CHN 111 ELEMENTARY MANDARIN CHINESE II
Prerequisite: CHN 110 with a grade of "C" or better or equivalent. This course is a continuation of CHN 110 with emphasis on listening, speaking, reading, and writing.

The course is conducted primarily in Mandarin Chinese.

Lecture Hours: 4 Laboratory Hours: 0

CHN 210 INTERMEDIATE MANDARIN CHINESE III
Prerequisite: CHN 111 with a grade of "C" or better or equivalent. This course is designed to develop integrated skills in reading, writing, listening, and speaking.

The course is conducted primarily in Mandarin Chinese.

Lecture Hours: 4 Laboratory Hours: 0

CHN 211 INTERMEDIATE MANDARIN CHINESE IV (H1 900)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and CHN 210 with a grade of "C" or better or equivalent. This course is a continuation of CHN 210 with emphasis on advanced conversation, reading, and composition. The course is conducted primarily in Mandarin Chinese.

Lecture Hours: 4 Laboratory Hours: 0
COMM 110 COMMUNICATION: PROCESS AND PRACTICE (CZ 900)  
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, intripersonal communication, and rhetorical strategies. The course also provides practical application in public speaking and group membership.  
Lecture Hours: 3 Laboratory Hours: 0

COMM 113 BUSINESS AND PROFESSIONAL SPEAKING  3 HRS. (TC)  
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.  
Lecture Hours: 3 Laboratory Hours: 0

COMM 115 INTRODUCTION TO PUBLIC RELATIONS  3 HRS. (TC)  
This course provides an overview of the practices, theories, ethics, issues and problems facing public relations, and it allows the student to develop an appreciation for and an understanding of the Public Relations (PR) field.  
Lecture Hours: 3 Laboratory Hours: 0

COMM 116 ORAL INTERPRETATION  3 HRS. (TC)  
This course is an analysis of the literary forms of prose, poetry and drama for the purpose of orally recreating the author’s intellectual and emotional intentions and of communicating those insights to an audience through controlled use of voice and body. Emphasis is placed on selection and preparation of materials as well as presentation. This course is acceptable as humanities credit.  
Lecture Hours: 3 Laboratory Hours: 0

COMM 118 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.  
Lecture Hours: 0 Laboratory Hours: 2

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.  
Lecture Hours: 0 Laboratory Hours: 2

COMM 120 INTERPERSONAL COMMUNICATION  3 HRS. (TC)  
This course explores the non-presentational side of communication. It is designed to help a student improve the skills necessary for more effective and more efficient day-to-day communication. This course is recommended for any student who wishes to sharpen person-to-person communication skills and for students majoring in communication.  
Lecture Hours: 3 Laboratory Hours: 0

COMM 126 THE LISTENING LEARNER  1 HR. (TC)  
This course introduces the student to the ideals and skills involved in effective listening, as well as to provide the student with an appreciation of the nature and uses of effective listening in college and public life. The student will be expected to acquire and utilize the knowledge and skills necessary for effective listening as a learner and as a member of society.  
Lecture Hours: 1 Laboratory Hours: 0

COMM 127 COMMUNICATION APPREHENSION  1 HR. (TC)  
This course introduces the student to the nature and purpose of communication apprehension and the extent of its presence in daily interactions, as well as provide the student with knowledge and an appreciation of the ideas and skills involved in overcoming communication apprehension. The student will be expected to acquire and utilize the knowledge and skills necessary for effective communication on all levels of social interaction.  
Lecture Hours: 1 Laboratory Hours: 0

COMM 128 COMMUNICATION DIVERSITY  1 HR. (TC)  
This course introduces the student to the ideals and skills involved in communication effectiveness needed between diverse cultures, including the college environment. The student will be expected to acquire and utilize the knowledge and skills necessary for effective communication on all levels of social interaction.  
Lecture Hours: 1 Laboratory Hours: 0

COMM 155 COMMUNICATION INTERNSHIP I  1-3 HR. (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.  
Lecture Hours: 0 Laboratory Hours: 5 - 20 or equivalent

COMM 204 INTERCULTURAL COMMUNICATION  3 HRS. (TC)  
Prerequisite: A COMPASS reading score of “81” or higher, or equivalent, or department approval. 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.  
Lecture Hours: 3 Laboratory Hours: 0

COMM 212 PUBLIC SPEAKING (CZ 900)  3 HRS. (TC)  
Prerequisite: A COMPASS reading score of “81” or higher, or equivalent, or department approval. 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.  
Lecture Hours: 3 Laboratory Hours: 0

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.  
Lecture Hours: 0 Laboratory Hours: 2

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.  
Lecture Hours: 0 Laboratory Hours: 2

COMM 222 READERS THEATRE  3 HRS. (TC)  
This course concentrates on the study of various styles and techniques of Oral Interpretation in Readers’ Theatre. The presentation produced by the class will be toured through the area schools, civic organizations, and presented at ICC: Areas of concern are on vocal development, interpretive approach to literature and imaginative presentation. Three lecture hours per week and additional rehearsals and productions as scheduled.  
Lecture Hours: 3 Laboratory Hours: 0

COMM 245 INTRODUCTION TO COMMUNICATION THEORY  3 HRS. (TC)  
Prerequisite: COMM 110 with a grade of “C” or better or department approval. This course is designed to introduce basic concepts, areas of inquiry and current theories in the discipline of speech communication.  
Lecture Hours: 3 Laboratory Hours: 0

COMM 248 SPECIAL TOPICS IN PUBLIC RELATIONS  1-3 HR. (TC)  
Prerequisite: COMM 115 with a grade of “C” or better or department approval. This course is a special topics course that will be adjusted on an on-going basis in order to address current events and issues affecting public relations. The primary goal of the course is to allow for examination of various topics addressed by public relations practitioners including crisis communication, event planning, political campaign analysis, as well as addressing how scandals affect both corporate and individual image using examples taken directly from today’s headlines. This course may be repeated up to three times as long as the topic and content are different. The student shall not exceed more than a total of six (6) hours of COMM 248. This course is repeatable up to a maximum of three semester hours of credit.  
Lecture Hours: 1 - 3 Laboratory Hours: 0

COMM 255 COMMUNICATION INTERNSHIP II  1-3 HR. (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.  
Lecture Hours: 0 Laboratory Hours: 5 - 20 or equivalent

Computer Management — Cisco

CMCS 147 FUNDAMENTALS OF VOICE AND DATA CABLING I  4 HRS. (OC)  
This course is designed to provide students with classroom and laboratory experiences in order to learn the physical aspects of voice and data network cabling and installation for employment and/or further education and training in the computer networking field. In addition, it will help prepare the student for the Building Industry Consulting Services International (BICSI) Registered Installer, Level I certification.
Instruction includes, but is not limited to safety issues; basic networking; termination of copper, coaxial, and fiber cable; Quality of Service (QoS); rough-in, trim-out, and finish phases; and wireless networking.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 151 NETWORK FUNDAMENTALS 4 HRS. (OC)
This is the first of four courses designed to provide students with classroom and laboratory experience with basic CCNA-level networking skills. Instruction includes but is not limited to: safety, network topologies, network equipment and operating systems, networking protocols and terminology, network standards and models, LANs, WANs, cabling, cabling tools, and IP addressing. Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics, and communications concepts to solve networking problems. In addition, instruction and training are provided in the proper care, maintenance, and use of networking software, tools, and equipment.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 152 ROUTING AND SWITCHING ESSENTIALS 4 HRS. (OC)
Prerequisite: CMCIS 151 with a grade of “C” or better. This course is designed to provide students with classroom and laboratory experience in basic routing and switching essentials. Instruction includes but is not limited to: basic switch and router operations, configuration of static routing and dynamic routing protocols, virtual local area network implementations, and various operations that enable communications across a local area network. This course is the second of four courses that assist in the preparation for the CCNA certification by developing skills in core routing and switching technologies for enterprise-level network configurations. 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.

Lecture Hours: 2 Laboratory Hours: 2

CMCIS 153 SCALING NETWORKS 4 HRS. (OC)
Prerequisite: CMCIS 152 with a grade of “C” or better. This course is designed to provide students with classroom and laboratory experience with routers and switches in large and complex networks. Instruction includes but is not limited to configuring routers and switches for more advanced functions, a deeper understanding of dynamic routing protocols, network redundancy, and an understanding of basic wireless networks. This course is the third of four courses that assist in the preparation for the CCNA certification by developing skills in core routing and switching technologies for enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 154 WAN COMMUNICATION 4 HRS. (OC)
Prerequisite: CMCIS 153 with a grade of “C” or better. This course is designed to provide students with classroom and laboratory experience with WAN technologies and network services required by converged applications in a complex network. Instruction includes but is not limited to an understanding of wide area network technologies, virtual private networks, broadband connections, and security technologies. 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 technologies. 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.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 155 CCNA CERTIFICATION REVIEW 1 HR. (OC)
Prerequisite: CMCIS 154 with a grade of “C” or better or CCNA or department approval. This course will review topics required to successfully pass the Cisco Certified Network Associate professional certification.

Lecture Hours: 1 Laboratory Hours: 0

CMCIS 156 CCNA VOICE 3 HRS. (OC)
Prerequisite: CMCIS 152 with a grade of “C” or better, CCNA certification or department approval. This CCNA specialization course is designed to provide students with classroom and laboratory experience in voice communications. 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 technologies. 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.

Lecture Hours: 2 Laboratory Hours: 2

CMCIS 157 CCNA WIRELESS 3 HRS. (OC)
Prerequisite: CMCIS 152 with a grade of “C” or better, CCNA certification or department approval. This CCNA specialization course is designed to provide students with classroom and laboratory experience with wireless technologies and architecture. Instruction includes, but is not limited to a continuation of all router and switch configurations with a specific focus on wireless technologies and fundamentals, basic Cisco WLAN installation, wireless clients, security protocols, and wireless network administration. The emphasis of the CCNA Wireless course will be on configuration, implementation and support of wireless LANs using Cisco equipment for use in small, medium, and enterprise installations. This course assists in the preparation for the CCNA Wireless certification.

Lecture Hours: 2 Laboratory Hours: 2

CMCIS 158 CCNA SECURITY 3 HRS. (OC)
Prerequisite: CMCIS 152 with a grade of “C” or better, CCNA certification or department approval. This 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.

Lecture Hours: 2 Laboratory Hours: 2

CMCIS 271 CCNP ROUTE 4 HRS. (OC)
Prerequisite: CMCIS 154 with a grade of “C” or better or CCNA certification or department approval. This course is designed to provide students with classroom and advanced laboratory experience focusing on routing technologies. Instruction includes, but is not limited to scalable internetworks, advanced IP addressing, management, advanced routing protocol configurations, single and multi-area OSPF, EIGRP, BGP, route optimization, and integrating BGP into IGP networks. This course focuses on the preparation for the CCNP certification by further developing networking skills in CCNA core routing technologies while also expanding knowledge and experience in advanced enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 273 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 advanced laboratory experience focusing on switching technologies. This course is designed to provide students with classroom and advanced laboratory experience focusing on switches not limited to campus networks, switching, legacy media types, VLANs, trunking, spanning-tree, redundant links, multilayer switching, first-hop redundancy protocols, multicasting, and security. This course assists in the preparation for the CCNP certification by further developing networking skills in CCNA core switching technologies while also expanding knowledge and experience in advanced enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

CMCIS 274 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 advanced laboratory experience focusing on switching technologies. This course is designed to provide students with classroom and advanced laboratory experience focusing on switches not limited to campus networks, switching, legacy media types, VLANs, trunking, spanning-tree, redundant links, multilayer switching, first-hop redundancy protocols, multicasting, and security. This course assists in the preparation for the CCNP certification by further developing networking skills in CCNA core switching technologies while also expanding knowledge and experience in advanced enterprise-level network configurations.

Lecture Hours: 3 Laboratory Hours: 2

CMGEN 090 FOUNDATIONAL COMPUTER SKILLS 3 HRS. (BEC)
In this course, students will begin to develop skills needed to use computers in educational and occupational environments. Students will be introduced to computer hardware, software, and the Internet.

Lecture Hours: 2 Laboratory Hours: 2

CMGEN 110 INTRODUCTION TO WINDOWS 3 HRS. (OC)
This course teaches the student how to work with an operating system. Topics include managing a Windows work session, managing the system, managing files, customizing the interface through the Control Panel, working with the built-in utilities, learning to install applications under Windows, learning to run DOS and Windows applications, running multiple applications, and learning to share data among multiple applications.

Lecture Hours: 2 Laboratory Hours: 2

CMGEN 120 COMPUTER APPLICATIONS 3 HRS. (OC)
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 CMPS 120.

Lecture Hours: 2 Laboratory Hours: 2

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.

Lecture Hours: 3 Laboratory Hours: 0

CMGEN 141 SPECIAL TOPICS 0.5-3 HRS. (OC)
The contents of this special topics course will vary to allow an examination of various topics, such as software updates or new software. Each section offered
will present a unique topic of value to students in the field of computers. This course may be repeated three times if the topic and content are different. Lecture and laboratory hours per week will vary depending upon the credit given and course content in each section offered.

Lecture Hours: 3 Laboratory Hours: 0

CMGEN 255 INDEPENDENT STUDY 1-5 HR. (OC) Prerequisite: Department approval. This course provides the student the opportunity to work on a technical project, research, or other specialized study related to his/her individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department together with a final written report submitted to the faculty member by the student. This course is repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Computer Management – Networking

CMNET 110 NETWORK CONCEPTS 3 HRS. (OC) This course provides a baseline level of knowledge of computer networking. The course begins with information on how to select and maintain a network. Existing network hardware and software are examined, and methods of connecting networks are explored. Finally, security considerations and installation concerns are addressed.

Lecture Hours: 3 Laboratory Hours: 0

CMNET 130 WINDOWS COMMAND LINE 3 HRS. (OC) This course provides students with the knowledge and skills required to utilize the commands and functions that are available from the Windows command line.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 140 WINDOWS ADMINISTRATION 3 HRS. (OC) This course provides students with the knowledge and skills required to install, configure, administer, and troubleshoot Windows desktop operating systems.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 150 COMPUTER HARDWARE INFRASTRUCTURE 3 HRS. (OC) 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.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 151 OPERATING SYSTEM ENVIRONMENTS 3 HRS. (OC) 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.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 155 INTRODUCTION TO COMPUTER FORENSICS 3 HRS. (TC) This course will provide an overview of computer forensics and associated investigation tools and techniques. Students will learn what computer forensics and investigation is as a profession and gain an understanding of the overall investigative process. The most commonly used computer operating system architectures and disk structures will be discussed. Students will learn the importance of digital evidence and how to process crime and incident scenes. Finally, they will learn the fundamentals of data acquisition, computer forensic analysis, email investigations, image file recovery, investigative report writing, and expert witness requirements.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 160 INTRODUCTION TO NETWORK SECURITY 3 HRS. (OC) Prerequisite: CMWEB 110 with a grade of “C” or better or CMICIS 151 with a grade of “C” or better, or concurrent enrollment or department approval. This course will provide an introduction to network security issues. Intended as a survey course, the material covered in this class will provide broad-based knowledge necessary to prepare students for further study in specialized areas of security. Topics covered will include but not be limited to authentication, remote access, intrusion detection, disaster recovery planning, security forensics, and security issues involved in email, web, and wireless networks.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 165 HELP DESK CONCEPTS 3 HRS. (OC) In this course, students are introduced to the organizational role and operation of the help desk function as it merges technology with communication and customer support services.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 190 WIRELESS NETWORKING 3 HRS. (OC) Prerequisite: CMICS 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.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 210 WINDOWS SERVER ADMINISTRATION 3 HRS. (OC) Prerequisite: CMNET 140 with a grade of “C” or better or department approval. This course provides students with the knowledge and skills required to install, configure, administer, and troubleshoot Microsoft network operating system.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 220 NETWORK INFRASTRUCTURE ADMINISTRATION 3 HRS. (OC) Prerequisite: CMNET 210 with a grade of “C” or better or department approval. This course provides students with the knowledge and skills required to implement and support TCP/IP and Windows network services in local and wide-area network environments.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 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.

Lecture Hours: 2 Laboratory Hours: 2

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 the Microsoft SQL Server client/server database management system.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 230 DIRECTORY SERVICE ADMINISTRATION 3 HRS. (OC) Prerequisite: CMNET 210 with a grade of “C” or better or department approval. This course provides students with the knowledge and skills needed to implement and administer an enterprise-class, central directory database and its services.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 250 ADVANCED SECURITY TOPICS 3-4 HRS. (OC) Prerequisite: CMNET 230 with a “C” or better or department approval. This course is designed to teach the fundamentals of securing Windows servers that are connected to corporate networks and the Internet. In addition to learning the fundamentals of designing a secure framework, students will learn how to secure computers based on their function, how to secure the network management process, and how to configure group policies and administrative functions to increase ease of maintenance while retaining high levels of security. Students will learn the fundamentals of scripting with an emphasis on PowerShell, how to use existing scripts to assist in rapid deployment of security fixes and documentation, how to write scripts to interface with the operating system, and how to document scripts so they can be maintained by others. Students will learn terminology associated with security, scripting, and the fundamentals of risk assessment and management. Lecture and laboratory hours per week will vary depending upon the credit given and the course content in each section offered, this course is repeatable up to a maximum of four total hours of credit.

Lecture Hours: 2 Laboratory Hours: 3 or equivalent

CMNET 250 NETWORKING INTERNSHIP 3 HRS. (OC) Prerequisite: Department approval. In cooperation with the Internship Coordinator, each student is assisted in locating an appropriate training station where a minimum of fifteen hours per week of on-the-job work experience is provided. The student's work will include those experiences which involve hands-on computer experience. This course may be repeated once; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.

Lecture Hours: 1 Laboratory Hours: 15 or equivalent

CMNET 261 COMPUTER FORENSICS II 3 HRS. (OC) Prerequisite: CMNET 155 with a grade of “C” or better 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.

Lecture Hours: 2 Laboratory Hours: 2

CMNET 267 CURRENT TOPICS IN UNIX 3 HRS. (OC) 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.

Lecture Hours: 2 Laboratory Hours: 2
CMNET 268  SYSTEM INTEROPERABILITY  3 HRS. (OC)
Prerequisite: CMNET 210 and CMPSC 249 both 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.
Lecture Hours: 2 Laboratory Hours: 2

CMNET 270  MESSAGING INFRASTRUCTURE ADMINISTRATION  3 HRS. (OC)
Prerequisite: CMNET 210 with a grade of "C" or better and CMNET 220 with a grade of "C" or better (or concurrent enrollment) and CMNET 230 with a grade of "C" or better (or concurrent enrollment) or department approval. This course provides students with the knowledge and skills that are needed to update and support a reliable, secure messaging infrastructure. This infrastructure is used for creating, storing, and sharing information by using a messaging server (e.g., Microsoft Exchange Server) in a medium-sized to large-sized messaging environment. This course offers hands-on practices, discussions, and assessments that assist students in becoming proficient in the skills that are needed to update and support a messaging server.
Lecture Hours: 2 Laboratory Hours: 2

CMNET 280  FIREWALL 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 plan, install, configure, manage, monitor, and troubleshoot firewall, proxy, and caching services in local and wide-area network environments.
Lecture Hours: 2 Laboratory Hours: 2

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.
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 115  WRITING FOR THE WWW  3 HRS. (OC)
Prerequisite: ENGL 110 and CMWEB 110 both with a grade of "C" or better or concurrent enrollment or department approval. This course is designed to teach how to create effective Web content which is searchable and findable. The course will cover various approaches to creating this content using words, pictures, sound, and video. Methods to measure site effectiveness and content curation (including tagging) will also be reviewed. A wide range of interactive writing skills and formats will be emphasized.
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 120  BUILDING WEB PAGES WITH HTML AND CSS  3 HRS. (OC)
Prerequisite: CMWEB 110 with a grade of "C" or better 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 web sites. Effective web page design and web site architecture will be reviewed. Students will be exposed to the fundamentals of web site project management as well as techniques to maintain a web site. Tools that automate some processes will be discussed.
Lecture Hours: 2 Laboratory Hours: 2

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 web site into business processes and infrastructure will be discussed.
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 135  BUSINESS USE OF SOCIAL MEDIA  3 HRS. (OC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is designed to teach business usage of social media. Students will learn current business best practices to grow an online presence. Pitfalls and security issues will be discussed. Employment of metrics to measure effectiveness of social media campaigns will also be reviewed.
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 140  ELECTRONIC COMMERCE  3 HRS. (OC)
Prerequisite: CMWEB 110 with a grade of "C" or better 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.
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 141  WEB SPECIAL TOPICS  1-3 HR. (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.
Lecture Hours: 1 - 3 Laboratory Hours: 0

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 web sites. Students will apply Universal Design Concepts to accommodate individuals with visual, mobility, auditory, speech, and cognitive disabilities. Students will design and test web pages for compliance with accessibility guidelines (W3C WCAG 2.0) and legal require-
mements (Section 508). Coding techniques for accessible HTML and CSS will be emphasized.
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 155  WEB USER EXPERIENCE DESIGN  3 HRS. (OC)
Prerequisite: CMWEB 110 with a grade of "C" or better or department approval. This course will provide an introduction to the theory and practice of web site (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.
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 160  SCRIPTING FOR WEB DESIGNERS  3 HRS. (OC)
Prerequisite: CMWEB 120 with a grade of "C" or better or concurrent enrollment or department approval. This course is designed to teach logic fundamentals with respect to both client side and server side scripting. Students will learn the basics of when scripting is appropriate and how to decompose a problem so that it can be solved with snippets of script. JavaScript will be employed on the client side and PHP on the server side. Students will be exposed to various concepts dealing with web page validation and creation of more dynamic web sites. Those wishing more in-depth education will be encouraged to pursue the web developer track (CMWEB 200, CMWEB 240, and CMWEB 241).
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 200  JAVASCRIPT FOR WEB DEVELOPERS  3 HRS. (OC)
Prerequisites: CMWEB 120 with a grade of "C" or better and one of the following: CMWEB 160 or CMPSC 115, CMPSC 124, or CMPSC 125 all with a grade of "C" or better 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 (for example, AJAX - Asynchronous XML and JavaScript).
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 220  WEB SITE DEVELOPMENT WITH CSS  3 HRS. (OC)
Prerequisite: CMWEB 120 with a grade of "C" or better or department approval. This course is designed to teach the use of web standards in development of web sites. Emphasis is placed on CSS and cross browser development issues. Students completing this course will understand advanced approaches to maintaining large web sites with appropriate tools and methodologies. Tools that automate these processes will be discussed.
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 225  HTML ANIMATION TECHNIQUES  3 HRS. (OC)
Prerequisite: CMWEB 160 with a grade of "C" or better or department approval. This course is designed to teach the practical use of HTML animation techniques. Students will be exposed to the basics of the selected development environments and will learn the fundamentals of coding for animation. The syntax of ECMAScript based languages and libraries will be reviewed in detail (including debugging).
Lecture Hours: 2 Laboratory Hours: 2

CMWEB 235  RICH INTERNET APPLICATIONS WITH FLEX AND AJAX  3 HRS. (OC)
Prerequisite: CMWEB 160 and CMWEB 225 both with a grade of "C" or better or department approval. This course is designed to teach the fundamentals of application development architecture 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 web sites that behave more like desktop applications.

Lecture Hours: 2 Laboratory Hours: 2

CMWEB 240 WINDOWS WEB SERVER SCRIPTING WITH ASP.NET 3 HRS. (OC)
Prerequisite: CMWEB 120 with a grade of "C" or better or department approval. This course is designed to teach the use of ASP.Net technologies using IIS web servers to interface legacy applications and to develop new web applications. Use of the Visual Studio Integrated Development Environment will be stressed. Web pages will be developed for multiple browser environments (including mobile devices). Students will be exposed to error handling and debugging techniques. Validity of data submitted via web forms will be reviewed along with interactions with databases and XML data stores. Web services will also be discussed.

Lecture Hours: 2 Laboratory Hours: 2

CMWEB 241 PHP 3 HRS. (OC)
Prerequisite: CMWEB 160 with a grade of "C" or better or department approval. This course is designed to teach the fundamentals of server side scripting with emphasis on the syntax of PHP. We will focus on creation of interactive web pages using PHP. Once students understand the basics of the language (syntax, flow control, operators, arrays, functions, and similar concepts), we will examine uses of this technology. This will include a review of session management (including cookies), utilization of data stores, creating and consuming web services, and interactions with databases.

Lecture Hours: 2 Laboratory Hours: 2

CMWEB 250 XML, XSL, AND RELATED TECHNOLOGIES 3 HRS. (OC)
Prerequisite: CMWEB 120 with a grade of "C" or better 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 NGs 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.

Lecture Hours: 2 Laboratory Hours: 2

CMWEB 260 WEB INTERNSHIP 3 HRS. (OC)
Prerequisite: Department approval. In cooperation with the Web Internship Coordinator, each student is assisted in locating an appropriate web client organization (or web projects) where a minimum of 225 hours for the semester of on-the-job work experience is provided (or the equivalent hours of experience working on approved web projects). This can be working either at a for-profit or not-for-profit organization. (The student will need to work with someone other than himself or herself on this project.) The student's work will include those experiences that involve actual web development and development activities. This course may be repeated two times, however it may be used only once to fulfill the requirement for an Associate in Applied Science degree.

Lecture Hours: Laboratory Hours: 15 or equivalent

CMWEB 270 WEB APPLICATION SECURITY 3 HRS. (OC)
Prerequisite: CMWEB 120 with a grade of "C" or better or department approval. This course will introduce students to the fundamentals of securing web applications and establish a baseline for 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.

Lecture Hours: 2 Laboratory Hours: 2

CMWEB 280 WEB PAGE DEVELOPMENT FOR MOBILE DEVICES 3 HRS. (OC)
Prerequisite: CMWEB 160 with a grade of "C" or better or department approval. This course is designed to teach development of web based applications for mobile devices (including smartphone, tablet devices and related hardware). Students will learn what is involved in development of web sites which can dynamically adapt to small screen size viewports. Students will also learn how to develop applications relying on accepted industry tools which can be used to create specific files (such as .apk for Android devices).

Lecture Hours: 2 Laboratory Hours: 2

CMWEB 290 WEB SERVER ADMINISTRATION 3 HRS. (OC)
Prerequisite: CMWEB 120 with a grade of "C" or better or CMCIS 151 with a grade of "C" or better 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.

Lecture Hours: 2 Laboratory Hours: 2

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Computer Science

CMPS 115 ESSENTIALS OF PROGRAMMING 3 HRS. (OC)
Prerequisite: CMPS 120 with a grade of "C" or better 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.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 120 BUSINESS COMPUTER SYSTEMS (BUS 902) 3 HRS. (TC)
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.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 124 EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC 3 HRS. (TC)
Prerequisite: Proven MS Windows proficiency; or CMPS 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, graphs 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.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 125 CS I: PROGRAMMING IN C++ (CS 911) 3 HRS. (TC)
Prerequisite: MAT 098 with a grade of "C" or better. This course is an introduction to computer science; its primary purpose is to introduce a disciplined approach to problem-solving methods and algorithm development, emphasizing data and procedural abstraction. Using C++, the course teaches program design, coding, testing, debugging, and documentation.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 128 INTRODUCTION TO GAMES AND THEIR DESIGN 3 HRS. (OC)
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.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 129 INTRODUCTION TO GAME PROGRAMMING 3 HRS. (OC)
Prerequisite: MAT 098 with a grade of "C" or better or concurrent enrollment, and computer proficiency. This course teaches the student the basics of programming computer games including data handling, code structures, event-handling, audio, sprites, animation, and realistic movement.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 135 CS I: PROGRAMMING IN JAVA 3 HRS. (TC)
Prerequisite: MAT 098 with a grade of "C" or better. This course is the first in a sequence of Java programming courses. The student is introduced to a disciplined approach to problem-solving and algorithm development, in addition to an introduction to procedural and data abstraction. This course will cover 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.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 140 INTRODUCTION TO RELATIONAL DATABASES 3 HRS. (OC)
Prerequisite: CMPS 115, 124, 125, or 215 all with a grade of "C" or better or department approval. In this course, elementary relational database concepts will be presented. Database modeling will be explained and normalization will be discussed. Structured Query Language (SQL) and advanced database concepts will be introduced.

Lecture Hours: 2 Laboratory Hours: 2

CMPS 200 C# PROGRAMMING 3 HRS. (OC)
Prerequisite: MAT 098 with a grade of "C" or better or department approval. This course introduces a current Object Oriented Programmer to the C# programming language, a part of the Microsoft.NET platform. All programming elements of the
language are presented in a rapid survey of the language. Emphasis is upon interfacing with databases and class design. The skills needed to write console applications, Windows applications, and beginning Internet applications are presented.

Lecture Hours: 2 Laboratory Hours: 2

**CMPS 212  CS II: ADVANCED PROGRAMMING IN C+ (CS 912)  3 HRS. (TC)**
Prerequisite: CMPS 125 with a grade of "C" or better. The second in the sequence of courses in C+ programming. This course covers: design and implementation of large-scale problems; abstract data types; data structures (files, sets, pointers, lists, stacks, queues, trees, graphs); text processing; and an introduction to searching and sorting algorithms.
Lecture Hours: 2 Laboratory Hours: 2

**CMPS 215  COBOL AS A SECOND LANGUAGE  4 HRS. (OC)**
Prerequisite: CMPS 124 or CMPS 125 with a grade of "C" or better or department approval. This course is an introductory COBOL course which builds on prior programming experience. Structured program design, implementation, testing, documentation using COBOL, arrays, records, string processing, and files are covered. Sorting and searching techniques and interactive programming will also be introduced. Specifically, direct access file techniques, master file update, and control break logic are covered. Program linkage and parameter processing are also introduced.
Lecture Hours: 3 Laboratory Hours: 2

**CMPS 224  ADVANCED VISUAL BASIC  3 HRS. (OC)**
Prerequisite: CMPS 124 with a grade of "C" or better. This second course in the event-driven programming sequence of Visual Basic will introduce the student to additional real world applications for the world's most widely used operating system, Microsoft Windows. The student will build and hone first semester skills, along with becoming familiar with object linking and embedding (OLE), ActiveX controls, collections, fundamental database concepts, database manipulation, Windows API and Registry manipulation, and Internet controls. Concentration will be on writing well-planned and user-friendly applications for business.
Lecture Hours: 2 Laboratory Hours: 2

**CMPS 235  CS II: ADVANCED PROGRAMMING IN JAVA  3 HRS. (TC)**
Prerequisite: CMPS 135 with a grade of grade of "C" or better or department approval. This is the second in the sequence of courses in Java programming. This course covers: design and implementation of large-scale problems; abstract data types; data structures (files, sets, pointers, lists, stacks, queues, trees, graphs); text processing; and an introduction to searching and sorting algorithms.
Lecture Hours: 2 Laboratory Hours: 2

**CMPS 237  MOBILE APPLICATION PROGRAMMING  3 HRS. (OC)**
Prerequisite: CMPS 124, CMPS 125, CMPS 135, or CMPS 200 with a grade of "C" or better, or department approval. This course will cover the fundamental programming principles for mobile devices (excluding iOS). The software architecture and user experience considerations underlying handheld software applications and their development environments will be investigated. Concepts will be reinforced by students programming hands-on assignments, which will be run on a current mobile platform. Students will apply these lessons and plan and develop their own viable applications.
Lecture Hours: 2 Laboratory Hours: 2

**CMPS 245  STRUCTURED QUERY LANGUAGE  3 HRS. (OC)**
Prerequisite: CMPS 140 with a grade of "C" or better or department approval. This course covers programming in the Structured Query Language. Students are taught to create and maintain database objects and to store, retrieve, and manipulate data. In addition, students learn to create blocks of application code that can be shared by multiple forms, reports, and data management applications. The student will learn how to write and apply triggers, procedures, and packages. Demonstrations and hands-on practice reinforce the fundamental concepts.
Lecture Hours: 2 Laboratory Hours: 2

**CMPS 249  UNIX  3 HRS. (OC)**
This course is an introduction to UNIX. In this course, file handling, text editors and shell programming are discussed.
Lecture Hours: 2 Laboratory Hours: 2

**CMPS 251  UNIX SYSTEM ADMINISTRATION  3 HRS. (OC)**
Prerequisite: CMPS 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.
Lecture Hours: 2 Laboratory Hours: 2

**CMPS 265  DATABASE ADMINISTRATION  3 HRS. (OC)**
Prerequisite: CMPS 249 with a grade of "C" or better or CMNET 210 with a grade of "C" or better or department approval. This course is designed to give the database administrator (DBA) a firm foundation in basic administrative tasks and provide the necessary knowledge and skills to set up, maintain, and troubleshoot a relational database. The student learns to use an administration tool to startup and shutdown a database, create a database, manage file and database storage, and manage users and their privileges. In addition, the student learns to organize the database and to move data into and between databases under different environments. Hands-on practices help to reinforce key concepts.
Lecture Hours: 2 Laboratory Hours: 2

**CMPS 270  STRUCTURED SYSTEM ANALYSIS  3 HRS. (OC)**
Prerequisite: CMPS 215, CMPS 212, or CMPS 224 all with a grade of "C" or better or department approval. This course presents to the student the SDLC, System Development Life Cycle, as the basis for the development of computer systems. Various analysis tools will be taught to aid students in the preparation of all aspects of system development.
Lecture Hours: 2 Laboratory Hours: 2

**Crime Scene Technology**

**CST 255  INDEPENDENT STUDY  1-3 HR. (OC)**
Prerequisite: Department approval. This course provides the student the opportunity to work on a technical project, research, or other specialized study related to 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 periodical direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

**Criminal Justice**

**CRJ 110  INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM (CRJ 901)  3 HRS. (TC)**
This course is a survey and analysis of the criminal justice system, including a historical and philosophical overview of its development, with special emphasis on the system's components and the relationship among those components in the administration of criminal justice in America.
Lecture Hours: 3 Laboratory Hours: 0

**CRJ 111  SELECTED TOPICS  1-3 HR. (TC)**
The content of this course varies from offering to offering to meet the changing needs of students and to allow exploration of topics more fully than can be addressed in survey courses. Each offering will present a unique investigation of a topic in criminal justice. This course is repeatable if the topic and content are different up to a maximum of three semester hours of credit. The duration of the course will depend upon the topic to be covered.
Lecture Hours: 1 - 3 Laboratory Hours: 0

**CRJ 112  POLICE OPERATIONS  3 HRS. (TC)**
This course is designed to acquaint the student with the basic services that are provided by police departments stressing the role and responsibility of the police in the prevention and control of adult crime.
Lecture Hours: 3 Laboratory Hours: 0

**CRJ 113  INTRODUCTION TO HOMELAND SECURITY  3 HRS. (OC)**
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, international 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.
Lecture Hours: 3 Laboratory Hours: 0

**CRJ 114  INTRODUCTION TO CORRECTIONS (CRJ 911)  3 HRS. (TC)**
This course provides a basis to understanding the correctional system for those intending to pursue careers in the field of corrections or law enforcement. The course includes historical development, philosophy and variety of correctional methods. Included are institutional and post institutional techniques, probation and parole.
Lecture Hours: 3 Laboratory Hours: 0

**CRJ 118  JUVENILE DELINQUENCY (CRJ 914)  3 HRS. (TC)**
This course covers the history and philosophies of society's reactions to juvenile behavior and problems. Interaction among the police, judiciary, and corrections are examined in the context of cultural influences. Theoretical perspectives of causation and control are examined.
Lecture Hours: 3 Laboratory Hours: 0

**CRJ 121  PROFESSIONAL STANDARDS IN CRIMINAL JUSTICE  3 HRS. (TC)**
Prerequisite: CRJ 110 with a grade of "C" or better. This course provides a traditional and multimedia exploration of the field of criminal justice ethics and professional standards. This course broadly encompasses the history of justice, theories of morality, and police ethics from antiquity to the present. Five areas of ethical.
decision making opportunities are studied in this course: law enforcement ethics and professional standards, legal profession ethics, correctional ethics 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.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 122 UNDERSTANDING TERRORISM 3 HRS. (TC)
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.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 130 INTRODUCTION TO INVESTIGATION 3 HRS. (TC)
This course is designed to examine the techniques and problems involved in investigation of criminal cases. It includes theory and techniques of investigation, the questioning of witnesses and suspects, procedural problems involved in investigation, the collection and presentation of evidence, and preparation of cases.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 165 COMMUNITY-BASED CORRECTIONS 3 HRS. (OC)
This course 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.

Lecture Hours: 3 Laboratory Hours: 0

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.

Lecture Hours: 5 Laboratory Hours: 0

CRJ 190 9-1-1 TELECOMMUNICATOR I 3 HRS. (OC)
This course covers the fundamentals of call-taking and dispatching emergency calls, specifically for the police, fire and emergency medical service (EMS) departments.

Lecture Hours: 3 Laboratory Hours: 0

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 call-taking and dispatching emergency calls, specifically for the police, fire, and emergency medical service (EMS) departments, Part II.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 201 INTERNSHIP IN CRIMINAL JUSTICE 3 HRS. (OC)
Prerequisite: CRJ 110 and CRJ 225 both with a grade of “C” or better. This course is designed to give the trainee field experience in field work by actually participating in incidents that will provide actual experience with the criminal justice personnel. The student will also do individual research and study in the student’s field of interest as approved and directed by the instructor.

Lecture Hours: 1 Laboratory Hours: 10 or equivalent

CRJ 212 HUMAN TRAFFICKING: WOMEN AND CHILDREN 3 HRS. (TC)
This course examines the national and global issue of human trafficking, specifically, trafficking in women and children. Some of the areas highlighted in the course are human rights, organized crime, law enforcement response, inaction and corruption, national and international responses in international law, sexual and economic exploitation, global victimization, and in instances, government tolerance of human trafficking. Case studies from several countries will be surveyed to provide context and facilitate student comprehension of this exploitation.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 225 CRIMINAL LAW 3 HRS. (TC)
Prerequisite: CRJ 110 or PRLGL 110 with a grade of “C” or better or department approval. This course is concerned with the components, purposes and functions of criminal law. Included in this course is a study of criminal liability, including the elements of various offenses and the rules of evidence.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 226 CRIMINAL LAW AND PROCEDURE 3 HRS. (TC)
Prerequisite: CRJ 110 or PRLGL 110 with a grade of “C” or better or department approval. 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.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 227 ADMINISTRATION OF JUSTICE 3 HRS. (TC)
Prerequisite: CRJ 110 or PRLGL 110 with a grade of “C” or better or department approval. This course is designed to acquaint the student with the legal principles applicable to important criminal procedures that involve force, arrest, search and seizure, civil rights, self-incrimination, assistance of counsel and other aspects of Constitutional Law affecting law enforcement officers.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 230 COURT PROCEDURES AND EVIDENCE 3 HRS. (TC)
Prerequisite: CRJ 110 or PRLGL 110 with a grade of “C” or better or department approval. This course is designed to acquaint the student with the kinds of evidence and the rules governing the admissibility of evidence in court, including the effect of court decisions on the acquisition and admissibility of evidence, criminal procedural steps from court to conviction, and acquittal or dismissal.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 250 POLICE ORGANIZATION AND ADMINISTRATION 3 HRS. (TC)
This course is designed to acquaint the student with basic management and leadership skills as they pertain to professional police management.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 252 CORRECTIONAL ADMINISTRATION 3 HRS. (OC)
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.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 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 dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

CRJ 282 SECURITY MANAGEMENT 3 HRS. (TC)
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.

Lecture Hours: 3 Laboratory Hours: 0

CRJ 283 EMERGENCY MANAGEMENT 3 HRS. (OC)
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.

Lecture Hours: 3 Laboratory Hours: 0

Culinary Arts

CA 150 PROFESSIONAL COOKING 3 HRS. (OC)
This course is a study of the fundamental elements of the foodservice industry, including terminology, equipment identification and usage, information regarding types of foods and trends in the industry, communication skills, and basic preparation techniques.

Lecture Hours: 2 Laboratory Hours: 3

CA 151 ADVANCED SANITATION AND SAFETY 3 HRS. (OC)
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.

Lecture Hours: 3 Laboratory Hours: 0

CA 153 BAKING 3 HRS. (OC)
Prerequisite: CA 150 with a grade of “C” or better. This course introduces students to the fundamental elements of baking and leavening agents. As a portion of the laboratory experience, the student will produce baked items such as quick breads, biscuits, muffins, cookies, doughnuts, fritters, lean breads and a wide variety of pies. This is the first of two courses that focus on baking.

Lecture Hours: 2 Laboratory Hours: 3

CA 155 MEAT, POULTRY AND FISH 3 HRS. (OC)
Prerequisite: CA 150 with a grade of “C” or better. This course focuses on the identification of wholesale and fabricated cuts of beef, pork, veal and lamb and the recognition of various types of poultry and fish. It includes the study of the fundamental principles regarding meat, poultry and fish preparation.

Lecture Hours: 2 Laboratory Hours: 3
CA 156  SAUCES  3 HRS. (OC)
Prerequisite: CA 150 and CA 155 both with a grade of “C” or better. This course gives a general overview of the history of sauce making and an in-depth study of the classical and contemporary techniques used in sauce preparation. Students will develop and apply skills in preparation of sauces, ranging from the classical leading sauces to contemporary sauces and coulis.
Lecture Hours: 2 Laboratory Hours: 3

CA 157  GARDE MANGER  3 HRS. (OC)
Prerequisite: CA 150, CA 153 and CA 155, all with a grade of “C” or better. This course is a basic overview of the history of Garde Manger. Students will develop and apply knowledge and skills in the preparation of cold soups and sauces, salads, sandwiches and the wholesome and sanitary preparation of sausage, terrines, cured and smoked meats and cheese.
Lecture Hours: 2 Laboratory Hours: 3

CA 175  TOPICS IN CULINARY ARTS  3 HRS. (OC)
Prerequisite: Department approval. This course delves into specific topics of culinary interest. It perpetuates a deeper understanding of techniques and principles involved in specialized areas of Culinary Arts such as chocolates, cuisine of the Mediterranean, sausage making, or petit four and French pastries.
Lecture Hours: 2 Laboratory Hours: 3

CA 211  FOODSERVICE MARKETING  3 HRS. (OC)
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.
Lecture Hours: 3 Laboratory Hours: 0

CA 212  FOODSERVICE COST CONTROL  4 HRS. (TC)
Prerequisite: BUS 120 with a grade of “C” or better. This course is the study of the fundamental principles of understanding and managing the costs associated with operating a foodservice business. This course will supply the tools required to maintain sales and cost histories and to develop systems for monitoring current and future activities.
Lecture Hours: 4 Laboratory Hours: 0

CA 213  BEVERAGE MANAGEMENT  3 HRS. (OC)
This course is a study of the fundamental principles of creating a bar business. This course will supply the tools required to identify wines, spirits and beers and how to provide service of these beverages.
Lecture Hours: 3 Laboratory Hours: 0

CA 214  FRONT OF THE HOUSE  2 HRS. (OC)
This course focuses on the nine basic principles of service. Emphasis is on a style of professionalism that enhances the entire industry and emphasis is given to generous and cordial reception of guests.
Lecture Hours: 1 Laboratory Hours: 0

CA 215  FOODSERVICE NUTRITION AND MENU PLANNING  3 HRS. (TC)
This course is the study of the basic principles of nutrition and the nutrient content of foods. Emphasis is placed on menu planning, recipe development and effective ways to communicate and market nutrition.
Lecture Hours: 3 Laboratory Hours: 0

CA 217  INTRODUCTION TO CATERING  3 HRS. (OC)
This course is a study of catering, banquets and other specialty service in the foodservice industry. The course will emphasize the planning, organizing and controlling in the catering business.
Lecture Hours: 3 Laboratory Hours: 0

CA 220  ADVANCED PROFESSIONAL COOKING  3 HRS. (OC)
Prerequisite: CA 151, CA 157, CA 215, and CA 253 all with a grade of “C” or better. This course is designed for students who have proficiency in all basic skills and knowledge of culinary arts. It emphasizes intermediate methods and techniques of culinary arts, with a concentration on regional American cuisine and international cuisine. It examines various cultures and their traditional food habits to develop a better understanding of the many cultures in America and how these cultures and cuisines have influenced American cuisine and the foodservice industry today.
Lecture Hours: 2 Laboratory Hours: 3

CA 225  INTERNSHIP IN CULINARY ARTS  3 HRS. (OC)
Prerequisite: Department approval. This course applies principles of culinary arts management during the supervised experience in a variety of foodservice institutions.
Lecture Hours: 0 Laboratory Hours: 20 or equivalent

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.
Lecture Hours: 2 Laboratory Hours: 3

Dance

DANCE 110  BEGINNING TECHNIQUES OF CLASSICAL BALLET  2 HRS. (TC)
This course is an introduction to the fundamentals of the art of ballet for students who have little or no previous experience. It covers basic barre exercises, center floor exercise, dance combinations and ballet terminology, with emphasis on body placement.
Lecture Hours: 1 Laboratory Hours: 2

DANCE 115  APPRECIATION OF DANCE (F1 908)  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a study of dance forms from primitive times to the present. It compares ancient and modern dance forms and examines the contributions of individual dancers, dance companies, and choreographers to cultural heritage.
Lecture Hours: 3 Laboratory Hours: 0

DANCE 120  INTERMEDIATE TECHNIQUES OF CLASSICAL BALLET  2 HRS. (TC)
Prerequisite: DANCE 110 with a grade of “C” or better. This course is a continuation of beginning ballet techniques with concentration placed on center floor work, development of movement patterns and allegro combinations.
Lecture Hours: 1 Laboratory Hours: 2

DANCE 130  JAZZ DANCE I  1 HR. (TC)
This course is an introduction to the fundamental technique of jazz dance for students who have had little or no previous training. It covers warm-ups, barre and center technique, simple turns, leaps, and combinations emphasizing the use of the body’s center.
Lecture Hours: 1 Laboratory Hours: 1

DANCE 131  JAZZ DANCE II  2 HRS. (TC)
Prerequisite: DANCE 130 with a grade of “C” or better or department approval. This course is a progressive development of fundamental jazz dance technique with concentration placed on center floor work, experiencing different styles of jazz, and culminating in a performance. One lecture and three laboratory hours per week.
Lecture Hours: 1 Laboratory Hours: 3

DANCE 140  MODERN DANCE I  1 HR. (TC)
This course gives instruction in dance as an activity based on the creative use of movement. Dance warm-ups, techniques of dance, dance patterns, analysis of rhythm, and simple dance compositions are emphasized.
Lecture Hours: 1 Laboratory Hours: 1

DANCE 141  MODERN DANCE II  2 HRS. (TC)
Prerequisite: DANCE 140 with a grade of “C” or better or department approval. This course is a continuation of Modern Dance I with a concentration on the differing modern dance forms, improvisation, and more complicated choreography culminating in a performance.
Lecture Hours: 1 Laboratory Hours: 3

DANCE 150  TAP DANCE I  1 HR. (TC)
This course is an introduction to the fundamental technique of tap dance for students who have had little or no previous training. It covers basic tap technique using different tempos and rhythms.
Lecture Hours: 1 Laboratory Hours: 1

DANCE 151  TAP DANCE II  2 HRS. (TC)
Prerequisite: DANCE 150 with a grade of “C” or better or department approval. This course is a progressive development of fundamental tap dance technique with concentration on time steps, close foot work, and the different styles of tap dance culminating in a performance.
Lecture Hours: 1 Laboratory Hours: 3

DANCE 160  MUSICAL THEATRE DANCE  1 HR. (TC)
This course is a study of dance in musical theater which will include dance vocabulary, technique, learned choreography and a general overview of theater dance history. The class is designed to give the student an awareness of the required skills and personality that is required by musical theater performers with regards to dance.
Lecture Hours: 0 Laboratory Hours: 2

DANCE 210  ADVANCED TECHNIQUES OF CLASSICAL BALLET  2 HRS. (TC)
Prerequisite: DANCE 210 with a grade of “C” or better. This class is the second semester of Advanced Techniques of Classical Ballet. The student will continue to work on learning advanced skills and techniques with emphasis on pure classical dance and performing experience. One lecture and three laboratory hours per week and other rehearsals as scheduled.
Lecture Hours: 1 Laboratory Hours: 3

DANCE 211  ADVANCED TECHNIQUES OF CLASSICAL BALLET II  2 HRS. (TC)
Prerequisite: DANCE 210 with a grade of “C” or better. This class is the second semester of Advanced Techniques of Classical Ballet. The student will continue to work on learning advanced skills and techniques with emphasis on pure classical dance and performing experience. One lecture and three laboratory hours per week and other rehearsals as scheduled.
Lecture Hours: 1 Laboratory Hours: 3
Deconstruction

DECON 101 INTRODUCTION TO DECONSTRUCTION 1 HR. (OC)
This course will introduce the basic practice of building deconstruction and building materials (architectural and structural) salvage including key resources and considerations.
Lecture Hours: 1 Laboratory Hours: 0

DECON 102 DECONSTRUCTION METHODS AND MATERIALS 2 HRS. (OC)
This course will introduce typical residential and light commercial construction methods, structural systems and building material assemblies.
Lecture Hours: 1 Laboratory Hours: 2

DECON 103 PRINCIPLES OF DECONSTRUCTION ASSESSMENT 2 HRS. (OC)
Prerequisite: DECON 101 with a "C" or better, and either DECON 102 with a "C" or better or ARCTX 203 with a "C" or better. This course will introduce the key components of site assessment, project planning and market considerations of building deconstruction and building material salvage.
Lecture Hours: 1 Laboratory Hours: 2

DECON 104 DECONSTRUCTION PROJECT 2 HRS. (OC)
Prerequisite: DECON 101 with a "C" or better, and either DECON 102 with a "C" or better or ARCTX 203 with a "C" or better. This course will provide hands-on deconstruction experience in the laboratory and/or in the field.
Lecture Hours: 0 Laboratory Hours: 6

Dental Hygiene

DHYGN 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.
Lecture Hours: 2 Laboratory Hours: 2

DHYGN 111 DENTAL SCIENCE II 3 HRS. (OC)
Prerequisite: HYGN 110, 113, 115, 117 and BIOL 210, all with a grade of "C" or better, or department approval. This course is a basic introduction to embryology and histology followed by in-depth study of oral and facial development and dental histology.
Lecture Hours: 3 Laboratory Hours: 0

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 introduce students to the prevention of disease transmission in dentistry, dental equipment and maintenance, operator and patient positioning, diagnostic dental instruments, and dental charting. Student partners are used in the laboratory sessions.
Lecture Hours: 1 Laboratory Hours: 1

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 will familiarize the incoming student with the history and development of the dental hygiene profession. Students will also be acquainted with services available at ICC, procedures for obtaining a license in Illinois, self-awareness, and basic dental terminology.
Lecture Hours: 1 Laboratory Hours: 0

DHYGN 117 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 is an overview of selected specialty areas in dentistry. Material relevant to informing patients of treatment options will be emphasized. The use of student partners will be utilized to demonstrate the usage of selected materials.
Lecture Hours: 1 Laboratory Hours: 0

DHYGN 131 INTRODUCTION TO DENTAL HYGIENE CLINICAL APPLICATIONS 2 HRS. (OC)
Prerequisite: HYGN 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.
Lecture Hours: 2 Laboratory Hours: 0

DHYGN 133 PRECLINICAL DENTAL HYGIENE 2 HRS. (OC)
Prerequisite: HYGN 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.
Lecture Hours: 0 Laboratory Hours: 6

DHYGN 135 DENTAL RADIOLOGY 3 HRS. (OC)
Prerequisite: HYGN 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.
Lecture Hours: 2 Laboratory Hours: 3

DHYGN 137 MEDICAL EMERGENCIES 1 HR. (OC)
Prerequisite: HYGN 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.
Lecture Hours: 1 Laboratory Hours: 0

DHYGN 139 SPECIAL POPULATIONS 1 HR. (OC)
Prerequisite: HYGN 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.
Lecture Hours: 1 Laboratory Hours: 0

DHYGN 210 COMMUNITY DENTAL HEALTH 3 HRS. (OC)
Prerequisite: HYGN 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.
Lecture Hours: 3 Laboratory Hours: 0

DHYGN 212 DENTAL MATERIALS 2 HRS. (OC)
Prerequisite: HYGN 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.
Lecture Hours: 1 Laboratory Hours: 2

DHYGN 222 PREVENTIVE MODALITIES 3 HRS. (OC)
Prerequisite: HYGN 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 as it relates to oral health. Student partners are used in the laboratory sessions.
Lecture Hours: 2 Laboratory Hours: 2

DHYGN 226 LOCAL ANESTHETICS FOR THE DENTAL HYGIENIST 1 HR. (OC)
Prerequisite: HYGN 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.
Lecture Hours: 1 Laboratory Hours: 0.5

DHYGN 228 NEW DIMENSIONS IN DENTAL HYGIENE 2 HRS. (OC)
Prerequisite: HYGN 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.
Lecture Hours: 1 Laboratory Hours: 2

DHYGN 230 DENTAL HYGIENE CLINIC I 2 HRS. (OC)
Prerequisite: HYGN 111, 131, 133, 135, 137, 139, and FCS 110, all with a grade of "C" or better, or department approval. This course is a continued study of clinical dental hygiene, including: scaling, polishing, radiographic surveys, desensitization, oral inspection, charting, health histories, health education, and appointment planning. Planned and supervised clinical experiences are arranged in the dental hygiene clinic.
Lecture Hours: 0 Laboratory Hours: 6

DHYGN 231 DENTAL HYGIENE CLINIC II 5 HRS. (OC)
Prerequisite: HYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better, or department approval. This course is a continuation of HYGN 230 with emphasis on root planning, topical medical application, preparation of study casts, periodontal charting and the use of ultrasonic scalers. Planned and supervised clinical experiences are arranged in the dental hygiene clinic and outside agencies.
Lecture Hours: 0 Laboratory Hours: 15
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 231 with emphasis on increasing clinical competency and efficiency in those procedures the dental hygienist routinely performs in clinical practice. Students complete a case patient presentation which incorporates treatment planning, dietary analysis, counseling, caries susceptibility testing, and oral hygiene indices in addition to the oral prophylaxis. Planned and supervised clinical experiences are arranged in the dental hygiene clinic and outside agencies. Lecture Hours: 0 Laboratory Hours: 12

DHYGN 243 ORAL PATHOLOGY I 1 HR. (OC)
Prerequisite: DHYGN 111, 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. Lecture Hours: 1 Laboratory Hours: 0

DHYGN 244 ORAL PATHOLOGY II 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 continuation of Oral Pathology I. This course will cover additional categories of diseases affecting the oral cavity, including their diagnosis and treatment. Lecture Hours: 2 Laboratory Hours: 0

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. Lecture Hours: 3 Laboratory Hours: 0

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. Lecture Hours: 1 Laboratory Hours: 1

DHYGN 248 PHARMACOLOGY I FOR DENTAL HYGIENISTS 1 HR. (OC)
Prerequisite: DHYGN 212, DHYGN 220, DHYGN 222, DHYGN 230 and DHYGN 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 oral 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 health care. Lecture Hours: 1 Laboratory Hours: 0

DHYGN 249 PHARMACOLOGY II FOR DENTAL HYGIENISTS 1 HR. (OC)
Prerequisite: DHYGN 210, DHYGN 226, DHYGN 228, DHYGN 231, DHYGN 244, DHYGN 245, and DHYGN 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 for Dental Hygienists will concentrate on drugs used in the provision of oral health care, drugs used to control systemic disorders, and drugs used by special populations. Lecture Hours: 1 Laboratory Hours: 0

DHYGN 255 INDEPENDENT STUDY 1-5 HR. (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 dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit. Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Course Descriptions

Diesel Powered Equipment Technology

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 ignition and combustion. A comprehensive study is made of each component and its function. Laboratory practices include dis-assembly, measurement of components, evaluation, repair and reassembly of a multi-cylinder engine. Lecture Hours: 2 Laboratory Hours: 6

DPET 132 ELECTRICAL SYSTEMS OF HEAVY EQUIPMENT 3 HRS. (OC)
Prerequisite: Department approval. This course teaches the basics of electricity and the application of these principles to heavy equipment. Major emphasis is placed on the application of these principles to realistic situations. Lecture Hours: 2 Laboratory Hours: 3

DPET 133 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. Lecture Hours: 1.5 Laboratory Hours: 4.5

DPET 134 AIR CONDITIONING OF HEAVY EQUIPMENT 3 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. Lecture Hours: 2 Laboratory Hours: 3

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. Lecture Hours: 1 Laboratory Hours: 3

DPET 231 PLANTING AND TILLAGE EQUIPMENT 2 HRS. (OC)
Prerequisite: Department approval. This is a study of basic mechanical principles involved in the design and operation of planting equipment for crops of local importance. Emphasis is on assembly, field operation, adjustment, maintenance, and safety. Lecture Hours: 1 Laboratory Hours: 3

DPET 232 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 planetary. An understanding of the operation, maintenance and adjustment of the clutch and brakes will be an integral part of this course. Lecture Hours: 2 Laboratory Hours: 3

DPET 233 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 curriculum. The placement experience is obtained through the cooperation of an employer. Student needs and objectives determine major emphasis. Lecture Hours: 0 Laboratory Hours: 25

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, dis-assembly, repair, and reassembly will also be covered. Lecture Hours: 1 Laboratory Hours: 3

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. Lecture Hours: 2 Laboratory Hours: 3

DPET 236 HYDRAULIC SYSTEM ANALYSIS AND REPAIRS 3 HRS. (OC)
Prerequisite: Department approval. This course is designed for inspecting, testing, and servicing and diagnosing hydraulic circuits, systems, and components, such as power steering, power brakes, and hydraulic transmissions. Appropriate testing procedures and equipment will be utilized. Lecture Hours: 2 Laboratory Hours: 6
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DACT 105</td>
<td>INTRODUCTION TO SUBSTANCE ABUSE AND RECOVERY</td>
<td>3 HRS. (OC)</td>
<td>Prerequisite: Department approval. In this course students will be introduced to basic concepts and issues in substance abuse, dependence, treatment, and recovery. The student will also learn about assessment regarding substance use disorders and gain information related to both professional and nonprofessional (eg. AA, NA) options and methods for recovery from substance use disorders. Lecture Hours: 3 Laboratory Hours: 0</td>
</tr>
<tr>
<td>DACT 110</td>
<td>FOUNDATIONS I</td>
<td>3 HRS. (OC)</td>
<td>Prerequisite: Department approval. This course introduces the student to the history, modes, rules and regulations of alcohol and drug treatment. Specific topics of discussion will include evolution of response systems for treatment, delivery systems such as out-patient and residential treatment and accepted procedures for intake, discharge, confidentiality and client rights. Lecture Hours: 3 Laboratory Hours: 0</td>
</tr>
<tr>
<td>DACT 111</td>
<td>ADDICTION COUNSELING I</td>
<td>3 HRS. (OC)</td>
<td>Prerequisite: Department approval. This course introduces the student to the clinical issues and strategies related to initial contacts with a client, preparation of the client for a successful treatment experience and the issues and concerns of the first phase of drug and alcohol treatment. Specific topics considered in this course include client screening, intake procedures, orientation procedures, assessment, treatment planning and modes of treatment. Lecture Hours: 3 Laboratory Hours: 0</td>
</tr>
<tr>
<td>DACT 112</td>
<td>FOUNDATIONS II</td>
<td>3 HRS. (OC)</td>
<td>Prerequisite: DACT 110 with a grade of “C” or better and department approval. This course teaches students about psychoactive pharmacology, the signs and symptoms of drug and alcohol addiction and the major theoretical systems for understanding the effects of drugs on human behavior. Lecture Hours: 3 Laboratory Hours: 0</td>
</tr>
<tr>
<td>DACT 113</td>
<td>ADDICTION COUNSELING II</td>
<td>3 HRS. (OC)</td>
<td>Prerequisite: DACT 111 with a grade of “C” or better and department approval. This course teaches the student about the core area skills of drug and alcohol counselor training. Those skills include case management, crisis intervention, client education, referral, recordkeeping, and consultation and professional networking. Lecture Hours: 3 Laboratory Hours: 0</td>
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<tr>
<td>DACT 114</td>
<td>SPECIAL TOPICS IN ADDICTIONS STUDIES</td>
<td>1 HR. (OC)</td>
<td>Prerequisite: Department approval. This course explores major issues facing correctional employees in the realm of addictionology. Repeatable up to three times for credit if the topic is different. Lecture Hours: 1 Laboratory Hours: 0</td>
</tr>
<tr>
<td>DACT 120</td>
<td>ADDICTION COUNSELING III</td>
<td>3 HRS. (OC)</td>
<td>Prerequisite: DACT 113 with a grade of “C” or better and department approval. This course focuses on professional ethics, special populations, and clinical supervision in drug and alcohol treatment. Lecture Hours: 3 Laboratory Hours: 0</td>
</tr>
<tr>
<td>DACT 211</td>
<td>COUNSELING AND HUMAN CHANGE</td>
<td>3 HRS. (OC)</td>
<td>Prerequisite: DACT 113 with a grade of “C” or better and department approval. This course introduces the student to basic models of counseling in drug and alcohol treatment. Topics of discussion will include the disease model of addiction, the acquired hedonic cost habituation syndrome model, behavioral approaches, cognitive approaches and eclectic combinations based on client need. Lecture Hours: 3 Laboratory Hours: 0</td>
</tr>
<tr>
<td>EASC 111</td>
<td>SURVEY OF EARTH SCIENCE (P1 905L)</td>
<td>4 HRS. (TC)</td>
<td>Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course surveys the four main areas of earth science (geology, oceanography, meteorology, and astronomy). Topics include Earth materials (rocks and minerals), the formation and history of the earth, surface processes, plate tectonics, weather and climate, and Earth’s place in the solar system. The course is particularly suited for students not majoring in the sciences. Lecture Hours: 3 Laboratory Hours: 2</td>
</tr>
<tr>
<td>EASC 116</td>
<td>INTRODUCTION TO GEOLOGY (P1 907L)</td>
<td>4 HRS. (TC)</td>
<td>Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a survey of geology designed as an introduction for beginning students. It includes the study of earth materials, natural resources, geologic time, and the processes that shape our planet such as earthquakes, volcanic activity, weathering, rivers, glaciers, and more. Local and regional field trips are required. Lecture Hours: 3 Laboratory Hours: 2</td>
</tr>
</tbody>
</table>
**Course Descriptions**

**EASC 118**  
**INTRODUCTION TO WEATHER AND CLIMATE (P1 905L)**  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, and MAT 094 with a "C" or better or equivalent. This course explores the basic understanding of the processes that produce our weather and climate. In addition to studying the elements of weather and climate—temperature, moisture, pressure, and wind—the course examines the causes for day-to-day weather changes, the nature of violent storms such as tornadoes and hurricanes, and surveys world climatic patterns. A study of air pollution and human impact on urban and global climates, as well as natural and unnatural causes of climate change are also included.  
Lecture Hours: 3 Laboratory Hours: 2

**EASC 250**  
**FIELD GEOLOGY (P1 907)**  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course includes field studies of the geology of various regions of North America. Stress is placed on the geologic history of the regions under investigation, and on the geologic and climatic processes which have shaped the physical landscape. Students are required to take exams, complete field exercises, record data in a field notebook, and submit a project that reviews the geology of the region. Students must be physically fit for camping and hiking. This course is often taught concurrently with BIOL 250. Ten hours of class presentation followed by three weeks of field study.  
Lecture Hours: 2 Laboratory Hours: 4

**Economics**

**ECON 105**  
**SURVEY OF ECONOMIC PRINCIPLES**  
Prerequisite: MAT 094 with a grade of "C" or better or equivalent. This course is designed to help the student understand how the American economy works and the student's role in it. An examination is made of the elementary concepts of price determination, resource allocation, market structures, fiscal policy, monetary policy, and international trade policy.  
Lecture Hours: 3 Laboratory Hours: 0

**ECON 110**  
**PRINCIPLES OF MACROECONOMICS (S3 901)**  
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 is an examination of the assumptions underlying the Classical and Keynesian economic theories. In addition, a thorough analysis is made of contemporary fiscal, monetary, and international trade theory.  
Lecture Hours: 3 Laboratory Hours: 0

**ECON 111**  
**PRINCIPLES OF MICROECONOMICS (S3 902)**  
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 is a thorough analysis of price determination and resource allocation under the major market structures of American capitalism. Market structures are examined from the standpoint of economic efficiency and societal welfare.  
Lecture Hours: 3 Laboratory Hours: 0

**Education**

**EDUC 111**  
**INTRODUCTION TO AMERICAN EDUCATION**  
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, 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 child learners and practitioners at work, according to specified guidelines.  
Lecture Hours: 3 Laboratory Hours: 0

**EDUC 211**  
**INTRODUCTION TO THE EXCEPTIONAL INDIVIDUAL**  
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This course is an overview and orientation to the field of special education. The student studies the characteristics and educational provisions for exceptional individuals: children and adolescents with visual or hearing impairments; communication disorders; health impairments; learning disabilities; mental retardation; behavior disorders; gifted and talented abilities; pervasive developmental disorders; multiple and severe disorders, and at-risk behaviors.  
Lecture Hours: 3 Laboratory Hours: 0

**EDUC 212**  
**FIELD EXPERIENCE IN EDUCATION**  
Prerequisite: EDUC 111 with a grade of "C" or better. This course is designed to provide the student with practical experience in the public/private sectors and other educational agencies under the supervision of competent professional educators. The course is aligned with the Illinois Professional Teaching Standards and emphasizes the communication, responsibility, and collaboration dispositions needed for teaching. Usually taught in one-half school day per week in the field and two, two-hour classes per month.  
Lecture Hours: 1 Laboratory Hours: 3

**EDUC 250**  
**PARAEDUCATOR PRACTICUM INTERNSHIP**  
Prerequisite: EDUC 111, EDUC 112, and EDUC 211 all with a grade of "C" or better, 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.  
Lecture Hours: 2 Laboratory Hours: 10 or equivalent

**Electronics Servicing**

**ELCTS 131**  
**INTRODUCTION TO BASIC ELECTRICITY**  
Prerequisite: MAT 106 with a grade of "C" or better or higher mathematics course. This course is designed to give the student the basic computational and laboratory skills needed for further study in electronics. The student will develop the necessary skills while learning the fundamental principles and terminology of the fields of electricity and electronics.  
Lecture Hours: 1 Laboratory Hours: 3

**ELCTS 132**  
**SERVICE ELECTRONICS - A.C. CIRCUITS**  
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.  
Lecture Hours: 1 Laboratory Hours: 3

**ELCTS 133**  
**SERVICE ELECTRONICS - A.C. CIRCUITS**  
Prerequisite: ELCTS 133 with a grade of "C" or better. This course introduces the student to basic solid state devices and circuits, including common applications of diodes and transistors. Laboratory activities will further develop the student's ability to analyze circuit performance by using modern test equipment.  
Lecture Hours: 1 Laboratory Hours: 3

**ELCTS 134**  
**SERVICE ELECTRONICS - BASIC SOLID STATE**  
Prerequisite: ELCTS 134 with a grade of "C" or better. 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.  
Lecture Hours: 1 Laboratory Hours: 3

**ELCTS 135**  
**SERVICE ELECTRONICS - ADVANCED SOLID STATE**  
Prerequisite: ELCTS 135 with a grade of "C" or better. This course is designed to teach the student the fundamentals of digital circuits. A wide range of digital circuits and systems will be presented and the student will learn to analyze and troubleshoot them.  
Lecture Hours: 1 Laboratory Hours: 3

**Electronics Technology**

**ELCTK 007**  
**BASIC HOUSE WIRING**  
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.  
Lecture Hours: 1 Laboratory Hours: 2 or equivalent

**ELCTK 111**  
**RESIDENTIAL AND COMMERCIAL WIRING**  
This course is intended to acquaint the student with the fundamentals of residential and commercial wiring. Selected topics will be covered including: mapping an electrical system, wires and conduit, switching, switches, substituting new plugs and receptacles for old ones, installing new wiring (both indoors and outdoors), and how to check the work. Students will repair and install basic electrical devices under the instructor's supervision.  
Lecture Hours: 1 Laboratory Hours: 2 or equivalent
ELCTK 112 ELECTRONIC CAD APPLICATIONS I 2 HRS. (OC)  
Prerequisite: Credit or concurrent enrollment in ELCTS 135 and ELCTS 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.  
Lecture Hours: 1 Laboratory Hours: 3

ELCTK 117 ELECTRONIC SYSTEMS TROUBLESHOOTING 4 HRS. (OC)  
Prerequisite: ELCTK 150 with a grade of “C” or better. 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 encountered in electronic systems.  
Lecture Hours: 3 Laboratory Hours: 3

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 every part of the entire course revolves around integrated circuit micro-electronics. Topics included range from AND, OR, NAND and NOR GATES, on the outside to RAMS, registers, and arithmetic logic units at the end.  
Lecture Hours: 3 Laboratory Hours: 3

ELCTK 150 INDUSTRIAL ELECTRICITY 4 HRS. (OC)  
Prerequisite: ELCTS 133 with a grade of “C” or better. This course introduces the student to basic motors and motor control topics. Topics include Electrical Code, test equipment, print reading, over current protection, magnetic and ladder devices, D.C. motors and generators, and A.C. motors and generators.  
Lecture Hours: 3 Laboratory Hours: 3

ELCTK 151 ELECTRICAL SYSTEMS TROUBLESHOOTING 3 HRS. (OC)  
Prerequisite: ELCTK 150 with a grade of “C” or better. This course introduces the student to the methods and equipment used to maintain, troubleshoot and repair industrial electrical systems. Topics include the effective use of test equipment, various approaches to troubleshooting electrical systems, a review of electrical motor theory, and preventive maintenance of electrical systems. Applicable portions of the National Electrical Code are included. Safe work habits are emphasized throughout the course.  
Lecture Hours: 1 Laboratory Hours: 6

ELCTK 201 INTERNSHIP IN ELECTRONICS 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 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).  
Lecture Hours: 2 Laboratory Hours: 16 or equivalent

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.  
Lecture Hours: 2 Laboratory Hours: 3

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.  
Lecture Hours: 3 Laboratory Hours: 3

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.  
Lecture Hours: 3 Laboratory Hours: 3

ELCTK 230 ADVANCED SOLID STATE ELECTRONICS 3 HRS. (OC)  
Prerequisite: ELCTK 220 and ELCTK 245 both with a grade of “C” or better. This course includes solid state circuit applications to process control systems. The emphasis is on a quantitative approach to system design, analysis, and troubleshooting. The course includes both analog and digital process control systems and circuits.  
Lecture Hours: 2 Laboratory Hours: 3

ELCTK 231 INDUSTRIAL ELECTRONICS 4 HRS. (OC)  
Prerequisite: ELCTK 151, ELCTK 215, and ELCTK 245, all with a grade of “C” or better. This course introduces the student to the application of modern solid state electronics to industrial systems. Topics include A.C., D.C., and servo drives and controllers of various types and their use in machine control and numerical control systems.  
Lecture Hours: 3 Laboratory Hours: 3

ELCTK 232 ELECTRONICS SYSTEMS TROUBLESHOOTING 3 HRS. (OC)  
Prerequisite: ELCTK 215 with a grade of “C” or better. This course introduces the student to the methods and equipment used to maintain, troubleshoot, and repair industrial electronic systems. Topics include the effective use of test equipment, various approaches to troubleshooting electronic systems, and the proper adjustment and calibration of such systems. Emphasis is on solid state drive, control, and instrumentation systems. Safe work habits are emphasized throughout the course.  
Lecture Hours: 1 Laboratory Hours: 6

ELCTK 245 MICROPROCESSORS AND MICROCONTROLLERS 4 HRS. (OC)  
Prerequisite: ELCTS 135 and ELCTS 136 both with a grade of “C” or better. This course will introduce the student to the organization of data flow within a digital computer. The student will use a basic instruction set to demonstrate data transfer, basic logic, and arithmetic functions performed by a computer. The major emphasis will be on microcontrollers and their application to control and interfacing.  
Lecture Hours: 3 Laboratory Hours: 3

ELCTK 246 MICROCONTROLLER SYSTEMS AND APPLICATIONS 3 HRS. (OC)  
Prerequisite: ELCTK 245 with a grade of “C” or better. This course is designed to extend the student’s ability to analyze, develop, and troubleshoot microprocessor-based systems. Major topics include: advanced microprocessor architecture and instruction sets, the development of microprocessor-based systems, peripheral interfacing (both devices and systems), data communication standards, and computer and assembly language application programming.  
Lecture Hours: 2 Laboratory Hours: 3

ELCTK 250 ELECTRONIC COMMUNICATIONS 3 HRS. (OC)  
Prerequisite: ELCTS 135 and ELCTS 136 both with a grade of “C” or better. This course will study the methods of transmitting and receiving information. The course will include a study of the spectrum of these signals, circuits used in transmitters and receivers, transmission lines, and antennas.  
Lecture Hours: 2 Laboratory Hours: 3

ELCTK 255 INDEPENDENT STUDY 1-5 HRS. (OC)  
Prerequisite: ELCTK 245 and ENGL 201 both with a grade of “C” or better, or department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.  
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Emergency Medical Technician

EMS 106 EMERGENCY MEDICAL TECHNICIAN (EMT) 1 HR. (OC)  
Refresher  
Prerequisite: EMS 114 with a grade of “C” or better, or equivalent; department approval. This course provides the EMT with up-to-date knowledge in content areas such as legal and ethical issues, airway management and ventilation, cardiac care and resuscitation, patient assessment, medical emergency and injury management, medication administration, and incident management. This course meets the requirements for EMT re-certification through the National Registry of Emergency Medical Technicians (NREMT) and participants will receive credit for 24 hours of continuing education through the Illinois Department of Public Health (IDPH).  
Lecture Hours: 1 Laboratory Hours: .5 or equivalent

EMS 112 EMERGENCY MEDICAL RESPONDER (EMR) 2 HRS. (OC)  
Prerequisite: HLTH 041 with a grade of “C” or better or equivalent. This course is designed to meet the emergency care training needs of those individuals responding to the initial call for emergency care assistance such as police officers, firefighters, industrial health personnel, teachers, etc. The Emergency Medical Responder provides care prior to the arrival of higher-level trained personnel such as EMTs, Paramedics, nurses or physicians. Emphasis is placed on airway management, patient assessment, and treatment of medical or trauma emergencies. Upon successful completion of this course, students may apply to take the Emergency Medical Responder licensure examination.  
Lecture Hours: 1 Laboratory Hours: 2 or equivalent
EMR 114  EMERGENCY MEDICAL TECHNICIAN (EMT)  8 HRS. (OC)
Prerequisite: COMPASS Reading score of 72 or higher; department approval and high school graduate or equivalent. This course is designed to prepare students to care for the victims of medical and traumatic emergencies, with an emphasis on the assessment of victims of illness and injury, and application of proper emergency care procedures. Upon successful completion of EMR 114, students may apply to take the Illinois Department of Public Health or National Registry of Emergency Medical Technicians Examination. Lecture Hours: 7 Laboratory Hours: 3 or equivalent

EMR 116  TRAUMA LIFE SUPPORT  1 HR. (RC)
Prerequisite: Current Illinois or National Registry of Emergency Medical Technicians EMT, EMT-I, AEMT, or Paramedic license/certification or equivalent; department approval. This course is designed to enhance and build on the student’s existing knowledge and training in the treatment of a trauma victim. Emphasis will be placed on patient assessment and management. Course topics include rapid assessment, resuscitation, stabilization and transportation of trauma victims. Students successfully completing the course will earn certification in trauma life support by an accredited certifying agency. Lecture Hours: 1 Laboratory Hours: 0.5 or equivalent

EMR 117  ADVANCED CARDIAC LIFE SUPPORT (ACLS)  1 HR. (RC)
Prerequisite: Current American Heart Association - Healthcare Provider CPR certification; physician, nursing, EMT, paramedic, respiratory therapy, or other appropriate allied/clinical health personnel; department approval. This course is designed to provide specialized instruction in the management of cardiovascular related emergencies and to prepare emergency and critical care personnel such as physicians, nurses, emergency medical technicians, paramedics, respiratory therapists, and other appropriate healthcare professionals to provide treatment for a cardiovascular emergency. Upon successful completion of the course, the student will be issued an American Heart Association ACLS provider card. Lecture Hours: 1 Laboratory Hours: 5 or equivalent

EMR 118  PEDIATRIC EDUCATION FOR PRE-HOSPITAL PROVIDERS (PEPP)
Prerequisite: Current Illinois or National Registry of Emergency Medical Technicians EMT, EMT-I, AEMT, or Paramedic license/certification or equivalent; department approval. This course provides specialized instruction for the pre-hospital provider in the assessment and management of pediatric emergencies. Instruction will focus on child and family interaction and communication, and the assessment and treatment of medical and traumatic emergencies, as well as patient stabilization and transport. Students successfully completing the course will be issued a PEPP course completion card through the American Academy of Pediatrics (AAP). Lecture Hours: 1 Laboratory Hours: 0.5 or equivalent

EMR 120  EMT PRACTICUM  1-3 HR. (OC)
Prerequisite: EMR 114 with a grade of “C” or better or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This course provides a planned and supervised clinical experience with transport and non-transport emergency medical services agencies. During this course, students will be provided the opportunity to participate as a member of the health care delivery team in order to enhance the knowledge and skills learned in the Emergency Medical Technician (EMT) course. Lecture Hours: Laboratory Hours: 5 - 15 or equivalent

EMR 230  PARAMEDIC I  7 HRS. (OC)
Prerequisite: BIOL 111 and EMR 114 both with a grade of “C” or better or equivalent; completion of, or concurrent enrollment in EMR 120; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This course is the first of six courses designed to prepare the student to function as a Paramedic. Instruction in the roles and responsibilities of the Paramedic, ethical and legal aspects of emergency care, as well as in-depth study of anatomy and physiology/pathophysiology relevant to emergency care will be provided. Instruction in patient assessment will also be provided. Practical laboratory sessions and selected clinical experiences will provide patient contact opportunities to correlate with the course content. Lecture Hours: 6 Laboratory Hours: 2 or equivalent

EMR 232  PARAMEDIC III  7.5 HRS. (OC)
Prerequisite: BIOL 111 and EMR 114 both with a grade of “C” or better or equivalent; completion of, or concurrent enrollment in EMR 120; EMS 231 with a grade of “C” or better or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This is the third of six courses designed to prepare the student to function as a Paramedic, and provides concentrated instruction in the assessment and management of medical emergencies such as cardiac, respiratory, and neurological conditions. Instruction in intravenous therapy and administration of appropriate medications, as well as electrocardiogram interpretation will also be provided. Practical laboratory sessions and selected clinical experiences provide patient contact opportunities to correlate with the course content. Lecture Hours: 7 Laboratory Hours: 1 or equivalent

EMR 233  PARAMEDIC IV  6.5 HRS. (OC)
Prerequisite: BIOL 111 and EMR 114 both with a grade of “C” or better or equivalent; completion of, or concurrent enrollment in EMR 120; EMS 232 or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This is the fourth of six courses designed to prepare the student to function as a Paramedic, and provides concentrated instruction in the assessment and management of neonatal, pediatric, OB/GYN and geriatric emergencies. Diverse patient populations such as those with behavioral disorders, long-term care and the chronically ill patient will be studied and discussed. Practical laboratory sessions and selected clinical experiences provide patient contact opportunities to correlate with the course content. Lecture Hours: 6 Laboratory Hours: 1 or equivalent

EMR 240  PARAMEDIC PRACTICUM I  3 HRS. (OC)
Prerequisite: BIOL 111 and EMS 114 both with a grade of “C” or better or equivalent; EMS 120; EMS 233 or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This course (EMS 240) is the fifth of six courses designed to prepare the student to function as a Paramedic, and gives the student field experience with an advanced life support unit. The experiences gained during this course will further develop the skills and knowledge gained in EMS 230-233. Lecture Hours: Laboratory Hours: 15 or equivalent

EMR 241  PARAMEDIC PRACTICUM II  3 HRS. (OC)
Prerequisite: BIOL 111 and EMS 114 both with a grade of “C” or better or equivalent; EMS 120 with a grade of “C” or better; EMS 240 with a grade of “C” or better or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This course is the last of six courses designed to prepare the student to function as a Paramedic and is a continuation of EMS 240. The student will participate in field clinical experiences with an advanced life support unit. Emphasis will be placed on enhancement of team leadership abilities, critical thinking skills and differential diagnosis of the ill or injured patient. The experiences gained during this course will further develop the skills and knowledge gained in EMS 230-233 and EMS 240. Lecture Hours: Laboratory Hours: 15 or equivalent

EMR 255  INDEPENDENT STUDY  1-5 HR. (OC)
Prerequisite: Current Illinois or National Registry of Emergency Medical Technicians EMT, EMT-I, AEMT, or Paramedic license/certification or equivalent; department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. Repeatable up to a maximum of five semester hours of credit. Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

EMR 260  EMERGENCY MEDICAL TECHNICIAN - BASIC PRACTICUM
Prerequisite: EMR 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. Lecture Hours: 0 Laboratory Hours: 5

EMR 270  EMERGENCY MEDICAL TECHNICIAN - INTERMEDIATE I  6 HRS. (OC)
Prerequisite: EMR 120 with a grade of “C” or better 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. Lecture Hours: 5 Laboratory Hours: 3

EMR 271  EMERGENCY MEDICAL TECHNICIAN - INTERMEDIATE II  3 HRS. (OC)
Prerequisite: Current State of Illinois Emergency Medical Technician-Basic License; successful completion of EMR 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.

Lecture Hours: 2.5 Laboratory Hours: 1.5

EMT 220 EMERGENCY MEDICAL TECHNICIAN - INTERMEDIATE PRACTICUM
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.
Lecture Hours: 0 Laboratory Hours: 15 or equivalent

EMT 230 EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC I
Prerequisite: EMT 220 with a grade of "C" or better or equivalent; current State of Illinois 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, medicolegal aspects of advanced emergency care, patient advocacy, and an overview of human systems and physiology. Instruction in patient assessment, pharmacology and pharmacodynamics, intravenous/intraosseous therapy, and medication administration will be provided, as well as airway management. Practical laboratory sessions and selected clinical experiences provide opportunities to correlate with the course content.
Lecture Hours: 1 Laboratory Hours: 0

EMT 231 EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC II
Prerequisite: EMT 230 with a grade of "C" or better 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.
Lecture Hours: 1 Laboratory Hours: 0

EMT 232 EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC III
Prerequisite: EMT 231 with a grade of "C" or better 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.
Lecture Hours: 2 Laboratory Hours: 1

EMT 233 EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC IV
Prerequisite: EMT 232 with a grade of "C" or better 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.
Lecture Hours: 1 Laboratory Hours: 0

EMT 240 EMERGENCY MEDICAL TECHNICIAN - PRACTICUM
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.
Lecture Hours: 0 Laboratory Hours: 20 or equivalent

Energy Efficiency Renewable Energy

EERE 120 SOLAR DOMESTIC HOT WATER 1 HR. (OC)
This course will prepare students for entry level work in the solar water heating field and will help facilities managers, architects, planners, home owners, and government officials to understand the workings and benefits of solar domestic hot water systems.
Lecture Hours: 1 Laboratory Hours: 0

EERE 121 SOLAR SPACE HEATING 1 HR. (OC)
Prerequisite: EERE 120 with a grade of "C" or better. This course will help professional installers understand how solar space heating can be accomplished and will help facilities managers, architects, planners, home owners, and government officials to understand the workings and benefits of solar heating.
Lecture Hours: 1 Laboratory Hours: 0

EERE 122 RESIDENTIAL SDHW SITE ASSESSOR 2 HRS. (OC)
Prerequisite: EERE 120 with a grade of "C" or better. In this course, students will learn how to assess a home for its potential for a solar domestic hot water (SDHW) system. Students will learn how to define a site's solar window, interpret solar radiation and temperature data, size a system, identify system components, determine the best location for collectors, and determine structural integrity for an installation.
Lecture Hours: 2 Laboratory Hours: 0

EERE 123 SOLAR WATER HEATING LAB 3 HRS. (OC)
Prerequisite: EERE 120 with a grade of "C" or better. In this course, students will learn the basics of how to properly install two types of solar domestic hot water systems suitable for northern climates. The hands-on course includes both theory and installation practice. Participants will work as a group to install both a drain back and pressurized closed-loop system on a training roof. This course will qualify the student to be on the Focus on Energy Full Service Installer list, provides fourteen Wisconsin Department of Commerce continuing education units, and twenty-one North American Board Certified Energy Practitioners (NABCEP) continuing education credits.
Lecture Hours: 1 Laboratory Hours: 4

EERE 124 SOLAR THERMAL DESIGN 2 HRS. (OC)
Prerequisite: EERE 123 with a grade of "C" or better. In this course, students will learn the principles and application of hot water load analysis, component sizing, heat storage, heat distribution, and system efficiency in the design of solar thermal systems. Students will work to apply these considerations as they design four solar thermal systems based on actual case studies of space heating, domestic hot water, process heating, and pool heating systems.
Lecture Hours: 2 Laboratory Hours: 0

EERE 151 BASIC PHOTOVOLTAIC SYSTEMS 1 HR. (OC)
This course will allow students to gain a better understanding of energy efficiency and the basics of photovoltaic (PV) systems.
Lecture Hours: 1 Laboratory Hours: 0

EERE 153 PRINCIPLES OF RESIDENTIAL PHOTOVOLTAIC SITE ASSESSMENT
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.
Lecture Hours: 1 Laboratory Hours: 0

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.
Lecture Hours: 2 Laboratory Hours: 0

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.
Lecture Hours: 3 Laboratory Hours: 3

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.
Lecture Hours: 1 Laboratory Hours: 0

EERE 165 PHOTOVOLTAIC (PV) SYSTEMS AND THE NATIONAL ELECTRICAL CODE (NEC)
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 (PV) design and installation.
Lecture Hours: 1 Laboratory Hours: 0
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 developed in engineering problem solving and the use of the personal computer for word processing, spreadsheet analysis, and equation solving. A team design project is included.
Lecture Hours: 1 Laboratory Hours: 0

ENGR 113 ENGINEERING GRAPHICS/CAD (EGR 941) 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 presentation, descriptive geometry with auxiliary views, sections, dimensioning, tolerancing, fasteners, assemblies and production drawings.
Lecture Hours: 2 Laboratory Hours: 1

ENGR 230 PROGRAMMING ENGINEERING APPLICATIONS 3 HRS. (TC)
Prerequisite: MATH 222 with a grade of "C" or better and introductory computer skills. This course uses a high-level programming language to solve specific mathematical and scientific problems applying various mathematical techniques, including numerical and matrix algebra. Structured design is stressed as an essential part of programming each exercise. The course is intended to provide a tool for the engineering student to be able to design their own programs.
Lecture Hours: 2 Laboratory Hours: 3

ENGR 240 ENGINEERING CIRCUIT ANALYSIS (EGR 931) 4 HRS. (TC)
Prerequisite: A grade of "C" or better in PHYS 212; Credit with a grade of "C" or better or concurrent enrollment in MATH 250. This is the first electrical engineering circuit analysis course which includes the study of the principles of circuit operation as well as the mathematical techniques used to analyze circuit behavior under both transient and steady-state conditions, including loop and nodal equations, network theorems, and matrix methods.
Lecture Hours: 4 Laboratory Hours: 0

ENGR 241 ELECTRICAL ENGINEERING LAB (EGR 931L) 2 HRS. (TC)
Prerequisite: Credit with a "C" or better, or concurrent enrollment in ENGR 240. This is the basic electrical engineering laboratory course which acquaints the student with the methods and equipment used in a variety of experimental investigations. It serves as a foundation for more advanced electrical engineering lab work.
Lecture Hours: 1 Laboratory Hours: 3

ENGR 242 DIGITAL SYSTEMS ENGINEERING (EGR 932) 3 HRS. (TC)
Prerequisite: ENGR 230 with a grade of "C" or better or CMPS 125 with a grade of "C" or better or department approval. This course introduces the student to the analysis and design of digital circuits and systems. Topics include: analog and digital information representation, combinational and sequential switching circuits and hardware, stored program systems, and an introduction to microprocessors.
Lecture Hours: 3 Laboratory Hours: 0

ENGR 251 STATICS (EGR 942) 3 HRS. (TC)
Prerequisite: PHYS 211 with a "C" or better, and MATH 224 with a "C" or better or concurrent enrollment in MATH 224. This course is a fundamental study of static equilibrium and its applications. Topics include algebraic and vector solutions of equilibrium of 2- and 3- dimensional force systems; analysis of forces acting on members of trusses, frames, machines and beams; distributed forces; forces due to friction and fluid; calculation of centroids and moments of inertia using both integration and the method of composite; the principle of virtual work.
Lecture Hours: 3 Laboratory Hours: 0

ENGR 252 DYNAMICS (EGR 943) 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 dynamics. Topics include displacement, velocity, and acceleration of a particle; relationship between forces acting on rigid bodies and changes in motion produced by them; translation, rotation, and plane motion; solutions using principles of force, mass and acceleration, work and energy, and impulse and momentum. The computer is used as an aid to solve engineering problems.
Lecture Hours: 3 Laboratory Hours: 0

ENGR 253 MECHANICS OF MATERIALS 3 HRS. (TC)
Prerequisite: ENGR 251 with a grade of "C" or better. This course is a study in the relationship between external loads, internal stresses, and deflections of deformable bodies within the context of engineering design principles. Topics include internal force, stress, strain and deflection of beams, shafts and columns; analytical methods for determining strength, stiffness and stability; strength and failure criteria in member design; indeterminate problems; transformations for multi-axial stress and strain states.
Lecture Hours: 3 Laboratory Hours: 0

English

ENGL 080 PREPARATION FOR COLLEGE READING AND WRITING 080 6 HRS. (BEC)
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 three times.
Lecture Hours: 6 Laboratory Hours: 0

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 develop basic reading comprehension and writing strategies. Students will read a variety of texts and learn to write short, organized essays. This course is repeatable three times.
Lecture Hours: 6 Laboratory Hours: 0

ENGL 086 SPECIAL TOPICS - CAREER READINESS AND WRITING 086 6 HRS. (BEC)
Prerequisite: 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. This course is repeatable three times.
Lecture Hours: 5 Laboratory Hours: 2

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.
Lecture Hours: 6 Laboratory Hours: 0

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.
Lecture Hours: 6 Laboratory Hours: 0

ENGL 096 SPECIAL TOPICS: ACADEMIC STRATEGIES FOR SUCCESS IN CTE 3 HRS. (BEC)
Prerequisite: Department approval and appropriate score on placement exam. This course provides individuals with the attitudes and foundational study skills needed for introductory college coursework. This course is repeatable three times.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 099 PREPARATION FOR COLLEGE READING AND WRITING 099 3 HRS. (BEC)
Prerequisite: Appropriate score on placement exam or departmental 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. This course is repeatable up to three times.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 105 BASIC COMPOSITION 3 HRS. (OC)
Prerequisite: Appropriate score on English placement test. This course progresses the student from writing expressive compositions (expressing 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.
Lecture Hours: 3 Laboratory Hours: 0
ENGL 110 COMPOSITION I (C1 900) 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 idea of the writer) to writing referential compositions (explaining or analyzing the subject matter for the reader) to writing persuasive compositions (persuading an audience), through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is referential.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 111 COMPOSITION II (C1 901R) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and ENGL 110 or equivalent course with a grade of "C" or better. This course progresses the student from writing analysis of and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is argumentative.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 113 CREATIVE WRITING: NARRATIVE FICTION 3 HRS. (TC)
Prerequisite: ENGL 111 with a grade of "C" or better or department approval. This course offers students opportunities to understand the structures, elements, and processes of creating fictional narratives; to apply their understanding of the critical terminology of creative writing by producing fully developed works of fiction; and to understand the elements and critical terminology of freelance and commercial writing and publication.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 114 CREATIVE WRITING: DRAMA 3 HRS. (TC)
Prerequisite: ENGL 111 with a grade of "C" or better or department approval. This course offers students opportunities to understand the structures, elements, and processes of creating dramatic scripts; to apply their understanding of the critical terminology of creative writing by producing fully developed dramatic works; and to understand the elements and critical terminology of freelance and commercial script writing, production, and publication.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 115 CREATIVE WRITING: POETRY 3 HRS. (TC)
Prerequisite: ENGL 111 with a grade of "C" or better or department approval. In this course students will understand the structure and elements of poetry and the writing process, produce fully developed works of poetry, and demonstrate an understanding of the critical terminology of the creative writer. A minimum of 200-250 finished lines of original work is recommended. Journals, a midterm, and a final exam may also be required.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 116 AGRICULTURAL COMMUNICATIONS 3 HRS. (TC)
Prerequisite: Appropriate score on the English placement test. This course deals with writing reports, formal memos, letters, job-application letters, and resumes. Group projects and presentations of varying lengths and complexity are also completed.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 117 CREATIVE WRITING: NON-FICTION PROSE 3 HRS. (TC)
Prerequisite: ENGL 111 with a grade of "C" or better. 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 a final exam may also be required.
Lecture Hours: 3 Laboratory Hours: 0

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 skills, listening skills, and other business communication tasks.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 130 GRANT WRITING BASICS 3 HRS. (TC)
Prerequisite: Appropriate score on the English placement test. This course examines and outlines basic principles of organizing and writing grants. An overview of identifying government, private, and corporate grants is also included.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 140 INTRODUCTION TO WRITING CENTER THEORY AND PRACTICE 3 HRS. (TC)
Prerequisite: ENGL 111 with a grade of "C" or better and department approval. This course investigates, applies, and reflects on the theories and strategies pertinent to writing centers with respect to tutoring and writing processes. Students will acquire skills in assessing and prioritizing clients' needs in an individual way and, recognizing the importance of both verbal and nonverbal cues, communicate those needs to the writer. Additionally, they will achieve awareness in learning styles and cultural differences as they impact writing. They will also develop techniques to collaborate effectively, respond constructively, and observe critically. Further, the course will introduce students to stages of process-based writing, including intervention, drafting, revising, and editing. Students will gain insight into an array of rhetorical strategies and demonstrate an awareness of audience. The course integrates students into the Studio culture, not as tutors but as observers and writers mentored by the staff.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 200 INTRODUCTION TO THE ENGLISH LANGUAGE 3 HRS. (TC)
Prerequisite: Appropriate score on college placement exam. This course offers an introductory study of linguistics which includes grammar, semantics, language development, and regional and social varieties of English.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 201 TECHNICAL COMMUNICATIONS 3 HRS. (TC)
Prerequisite: Appropriate score on placement test or "C" or better in ENGL 095 or "C" or better in ENGL 099 or department approval. This course involves the development of clear, concise, technical style of writing, logical organization of material, and the use of drawings, illustrations, and tables in supporting and clarifying report content. Types and forms of reports and the correct form of business letters are studied. Written projects include reports and letters of varying lengths and degree of complexity.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 210 ADVANCED COMPOSITION 3 HRS. (TC)
Prerequisite: ENGL 111 with a grade of "C" or better or equivalent. This course builds upon the skills learned in ENGL 111 and accentuates the importance of critical analysis, rhetorical theory, and stylistic self-awareness in written discourse. The course encourages students to develop a public voice that demonstrates a sophisticated awareness of audience. Students will acquire skills in reader-based expository prose, argumentative strategy, and generative rhetoric.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 240 ACADEMIC COMPOSITION FOR WRITING CENTER CONSULTANTS 3 HRS. (TC)
Prerequisite: ENGL 140 with a grade of "C" or better and department approval. This course explores progressively more intricate argumentative assignments and calls for increasingly complex written peer critiques. Students will focus on building competency within representative academic genres and gaining comfort in delivering written feedback. Students will hone their analytical and collaborative skills in order to provide substantive responses to clients in the Studio and in the Writing Fellows program. Further, students will refine their composition ability and learn a metalanguage for discussing writing processes and genres.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 250 WRITING FELLOWS PRACTICUM 1 HR. (TC)
Prerequisite: ENGL 140 with a grade of "C" or better and department approval. This course trains students to assist writers enrolled in writing-intensive courses across the curriculum. Student consultants will gain a theoretical background in how writing fellows programs complement the services of a writing center and practical knowledge of how to respond orally and in writing to drafts. Student consultants will also receive training in how to manage individual conferences, guide the revision process, and work closely with faculty in the disciplines.
Lecture Hours: 1 Laboratory Hours: 0

English as a Second Language

ESL 089 ENGLISH AS A SECOND LANGUAGE, BEGINNING LITERACY LEVEL 3 HRS. (ESL)
Prerequisite: Appropriate score on a standardized ESL test accepted by the Illinois Community College Board or the College. This course is designed for students with little or no English-speaking proficiency. It centers on developing the basic skills needed to function in everyday American life. Repeatable up to three times.
Lecture Hours: 3 Laboratory Hours: 0

ESL 090 ENGLISH AS A SECOND LANGUAGE, BEGINNING LEVEL 4 HRS. (ABE)
Prerequisite: Appropriate score on a standardized ESL test accepted by the Illinois Community College Board or the College. This course centers on developing basic vocabulary and grammar skills and understanding idioms using the English language in simple dialogues, reading, and writing. Repeatable up to three times.
Lecture Hours: 4 Laboratory Hours: 0

ESL 092 ENGLISH AS A SECOND LANGUAGE, INTERMEDIATE LEVEL 4 HRS. (ESL)
Prerequisite: Appropriate score on a standardized ESL test accepted by the Illinois Community College Board or the College. This course centers on developing more advanced vocabulary and grammar skills and understanding of idioms using the English language in dialogues, reading, and writing. Repeatable up to three times.
Lecture Hours: 4 Laboratory Hours: 0
ESL 093  ENGLISH AS A SECOND LANGUAGE, INTERMEDIATE LEVEL COMMUNICATION SKILLS  4 HRS. (ESL)
Prerequisite: Appropriate score on a standardized ESL test accepted by the Illinois Community College Board or the College. This course is designed to help the student further develop the English reading and writing skills necessary to transition to an ABE-level communication skills course or to a more advanced ESL course. This course is repeatable up to three times.
Lecture Hours: 4 Laboratory Hours: 0

ESL 104  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. This course is repeatable up to three times.
Lecture Hours: 3 Laboratory Hours: 0

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 is designed to prepare potential transfer-level international students for the language complexities required in English 110 compositions. The course will concentrate on writing skills. This course is repeatable three times.
Lecture Hours: 3 Laboratory Hours: 0

ESL 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. This course is repeatable three times.
Lecture Hours: 3 Laboratory Hours: 0

ESL 107  TOEFL PREPARATION  3 HRS. (ABE)
Prerequisite: Department approval. This course is designed to prepare students for the Test of English as a Foreign Language - computer based test (TOEFL CBT) by concentrating on the necessary writing, grammar, listening, reading, and computer skills.
Lecture Hours: 2 Laboratory Hours: 2 or equivalent

English Language Learners

ELL 099  BEGINNING COMPOSITION FOR NON-NATIVES  5 HRS. (ABE)
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.
Lecture Hours: 3 Laboratory Hours: 6

English Skills

ENGSK 103  ENGLISH GRAMMAR I  1 HR. (BEC)
Prerequisite: Stanine of 3 or higher on the reading portion of the Academic Placement Test or a score of 49 or higher on the ACT COMPASS Test or department approval. This individualized course offers a series of lessons covering basic sentence structure, punctuation and usage. Repeatable up to three times.
Lecture Hours: 0 Laboratory Hours: 2

ENGSK 104  ENGLISH GRAMMAR II  1 HR. (BEC)
Prerequisite: Stanine of 5 or higher on the reading portion of the Academic Placement Test or a score of 49 or higher on the ACT COMPASS Test. ENGSK 103 with a grade of “C” or better, or department approval. This individualized course offers a series of lessons covering more advanced sentence structure, punctuation and usage. Repeatable up to three times.
Lecture Hours: 0 Laboratory Hours: 2

ENGSK 105  VOCABULARY ENRICHMENT I  1 HR. (BEC)
Prerequisite: Stanine of 3 or higher on the reading portion of the Academic Placement Test or a score of 49 or higher on the ACT COMPASS Test or department approval. This is an individualized, self-paced course designed to help English-speaking students expand their vocabularies. Repeatable up to three times.
Lecture Hours: 0 Laboratory Hours: 2

Family and Consumer Services

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 lifetime, and physiological contributions nutrients make to body structure and function.
Lecture Hours: 2 Laboratory Hours: 0

FCS 111  EARLY CHILDHOOD NUTRITION EDUCATION  3 HRS. (OC)
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.
Lecture Hours: 3 Laboratory Hours: 0

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 scientific principles related to nutrition. It covers the role of specific nutrients, their sources, the role they play in digestion, absorption, metabolism, and nutritional requirements of individuals during different stages throughout their lifecycle.
Lecture Hours: 3 Laboratory Hours: 0

Film

FILM 110  SURVEY OF FILM (F2 90B)  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.
Lecture Hours: 3 Laboratory Hours: 0

FILM 111  FILM AND LITERATURE  3 HRS. (TC)
Prerequisite: FILM 110 with a grade of “C” or better. This course is a study of formal, thematic, and/or historical relationships between literary and cinematic forms, including examination of adaptations and influences that demonstrate the strengths of each artistic medium.
Lecture Hours: 3 Laboratory Hours: 0

Fire Science Technology

FRSTK 072  HAZARDOUS MATERIALS AWARENESS  0.5 HRS. (VSC)
This course is designed to provide the basic safeguards 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.
Lecture Hours: 0.5 Laboratory Hours: 0

FRSTK 110  INTRODUCTION TO FIRE SCIENCE  3 HRS. (OC)
This course is designed to acquaint the student with the fire service, careers available, history, evaluation and survey of fire protection.
Lecture Hours: 3 Laboratory Hours: 0

FRSTK 111  BASIC INSTRUCTOR TRAINING FOR THE FIRE SERVICE
Prerequisite: Department approval. This course is a basic introduction to the principles of vocational level skill training for people who will be conducting on-the-job fire training in local fire departments. This course will not teach firemanship, but will equip firemanship trainers with basics of adult vocational skills teaching.
Lecture Hours: 3 Laboratory Hours: 0

FRSTK 112  FIRE PREVENTION AND LEGAL ASPECTS OF FIRE PROTECTION
Prerequisite: FRSTK 110 with a grade of “C” or better or department approval. This course develops the fundamental principles, theories and techniques of fire prevention, including the organization and implementation of a thorough and deliberate program of public fire prevention. In addition to emphasizing fire and life safety through recognition and elimination of related hazards and familiarization with a model fire prevention code, the legal, social, economic and political aspects of providing public fire protection will be stressed.
Lecture Hours: 3 Laboratory Hours: 0

FRSTK 113  FIRE COMPANY APPARATUS AND PROCEDURES  3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of “C” or better or department approval. This course provides an understanding of the practices and procedures which permit the most efficient utilization of firefighting appliances and vehicles. While elementary firefighting tactics and strategy will be introduced, the emphasis of this course will be on apparatus design requirements, operation and maintenance necessary for effective and reliable fireground performance.
Lecture Hours: 3 Laboratory Hours: 0
FRSTK 114  FIREFIGHTING TACTICS AND STRATEGY  3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better or department approval. This course develops an understanding of the art and science of effective utilization of personnel, apparatus, equipment and extinguishing agents on the fireground. Emphasis will be placed on pre-fire planning, size-up and organization of the fireground situation, firefighting operations (ventilation, operation of hose streams, overhaul) and post-fire analysis and study. Lecture Hours: 3 Laboratory Hours: 0

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 capacities, understanding pump operations, and safe driving procedures. Lecture Hours: 2 Laboratory Hours: 3

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. Lecture Hours: 5 Laboratory Hours: 0

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. Lecture Hours: 5 Laboratory Hours: 0

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. Lecture Hours: 5 Laboratory Hours: 0

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. Lecture Hours: 3 Laboratory Hours: 0

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, extrication 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. Lecture Hours: 3 Laboratory Hours: 1

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. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 201  INTERNSHIP, FIRE SERVICE  3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better and department approval. This course is designed to give the trainee field experience in fire protection work by actually participating as a "cadet" while engaged in on-the-job training with experienced fire protection and prevention personnel. The student will do individual research and study in their field of interest as approved and directed by the instructor. Lecture Hours: 0 Laboratory Hours: 15 or equivalent

FRSTK 211  FIRE SERVICE INSTRUCTOR, STANDARD LEVEL  3 HRS. (OC)
Prerequisite: FRSTK 111 with a grade of "C" or better and qualified as Basic Certified Instructor. This course is the second level of instructor training which is designed to more thoroughly acquaint the trainee with the methods and techniques of training and further develop lesson presentation skills. Additionally, the trainee will learn how to design, develop and administer training programs. The course development process and the planning, researching, writing and evaluation of training curricula and programs will be addressed. Forty-eight hours of lecture, discussion and practice teaching. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 212  FIRE PREVENTION PRINCIPLES II  3 HRS. (OC)
Prerequisite: FRSTK 112 with a grade of "C" or better. This course is designed to meet the needs of individuals who desire to become familiar with advanced fire protection, inspections and investigation practices and procedures. The course is structured to meet the requirement established by the Illinois State Fire Marshal for certification as a Fire Officer II. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 214  TACTICS AND STRATEGY II  3 HRS. (OC)
Prerequisite: FRSTK 114 with a grade of "C" or better. This course is an advanced study in firefighting strategy and leadership, designed mainly for fire officers and potential fire officers. This course will partially fulfill state requirements for Fire Officer II. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 222  SELECTED TOPICS  1-4 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better. The content of this course varies from offering to offering to meet the changing needs of students and to allow exploration of topics more fully than can be addressed in survey courses. Each offering will present a unique investigation of a topic in fire science. This course is repeatable if the topic and content are different up to a maximum of four semester hours of credit. The duration of the course will depend upon the topic to be covered. Lecture Hours: 1 - 4 Laboratory Hours: 0

FRSTK 225  BUILDING CONSTRUCTION FOR THE FIRE SERVICE  3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better. This course is a basic introduction to the principles of building construction for firefighters. This course will teach firefighters the importance of understanding how the construction of a building influences the severity of a fire and how to control it. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 227  CHEMISTRY OF FLAMMABLE HAZARDOUS MATERIALS  3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better and approved laboratory science. This course develops the properties of chemically active materials such as flammable liquids, oxidizing and corrosive materials, and radioactive compounds. Emphasis is placed not only upon identification, labeling, storage, handling and disposal, but will also consider identification and application of the appropriate extinguishing agents. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 228  CHEMISTRY OF EXPLOSIVE AND TOXIC MATERIALS  3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better and approved laboratory science. This course is an in-depth study of the properties of flammable, explosive and toxic materials, and combustible solids. The inter-reaction of various chemical compounds will also be considered. Secondary emphasis on effects of various extinguishing agents and accompanying emergency procedures. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 229  HAZARDOUS MATERIALS  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. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 230  FIRE SERVICE HYDRAULICS  3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better and approved laboratory science. This course is designed to acquaint the student with the application of the laws of mathematics and physics to properties of fluid states, force, pressure and flow velocities. Emphasis is placed on applying principles of hydraulics to firefighting problems. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 231  HAZARDOUS MATERIALS II  3 HRS. (OC)
Prerequisite: FRSTK 229 with a grade of "C" or better. This course is designed for those firefighting personnel who are or will be operating as part of an organized hazardous materials response team. Emphasis is placed on the skills necessary to operate in a safe manner while utilizing special protective clothing. Lecture Hours: 2 Laboratory Hours: 3

FRSTK 232  FIRE PROTECTION SYSTEMS  3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better, or department approval. This course is a study of basic principles involved in design and operation of existing suppression and detection systems found in most occupancies. Lecture Hours: 3 Laboratory Hours: 0

FRSTK 250  FIRE SERVICE MANAGEMENT I  3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better or department approval. This course is an exploration of organizational principles with emphasis on fire department organization; a study of the history, types, methods and principles of fire department organization, both formal and informal line and staff. Emphasis is placed on supervisory responsibilities and functions. Lecture Hours: 3 Laboratory Hours: 0
GEDPR 082  ABE MATHEMATICS II  2 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.
Lecture Hours: 2 Laboratory Hours: 0

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.
Lecture Hours: 3 Laboratory Hours: 0

GEDPR 087  ABE COMMUNICATION SKILLS I  1 HR. (ABE)
Prerequisite: Reading 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 improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.
Lecture Hours: 1 Laboratory Hours: 0

GEDPR 088  ABE COMMUNICATION SKILLS II  2 HRS. (ABE)
Prerequisite: Reading 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 improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.
Lecture Hours: 3 Laboratory Hours: 0

GEDPR 089  ABE COMMUNICATION SKILLS III  3 HRS. (ABE)
Prerequisite: Reading 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 improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.
Lecture Hours: 3 Laboratory Hours: 0

GEDPR 092  GED COMMUNICATION SKILLS I  1 HR. (ASE)
Prerequisite: Reading level of 9-12.9 on a standardized test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.
Lecture Hours: 1 Laboratory Hours: 0

GEDPR 093  GED COMMUNICATION SKILLS II  2 HRS. (ASE)
Prerequisite: Reading level of 9-12.9 on a standardized test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.
Lecture Hours: 2 Laboratory Hours: 0

GEDPR 094  GED COMMUNICATION SKILLS III  3 HRS. (ASE)
Prerequisite: Reading level of 9-12.9 on a standardized test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.
Lecture Hours: 3 Laboratory Hours: 0

GEDPR 095  GED COMPUTATIONAL SKILLS I  1 HR. (ASE)
Prerequisite: Reading level of 9-12.9 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, computation skills, and other mathematical reasoning abilities. Repeatable up to a maximum of three times.
Lecture Hours: 1 Laboratory Hours: 0

GEDPR 096  GED COMPUTATIONAL SKILLS II  2 HRS. (ASE)
Prerequisite: Reading level of 9-12.9 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, computation skills, and other mathematical reasoning abilities. Repeatable up to a maximum of three times.
Lecture Hours: 2 Laboratory Hours: 0

GEDPR 097  GED COMPUTATIONAL SKILLS III  3 HRS. (ASE)
Prerequisite: Reading level of 9-12.9 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, computation skills, and other mathematical reasoning abilities. Repeatable up to a maximum of three times.
Lecture Hours: 3 Laboratory Hours: 0

GEDPR 098  GED REVIEW II  2 HRS. (ASE)
Prerequisite: Reading level of 9 - 12.9 on a standardized test accepted by the Illinois Community College Board or the College. This course is designed to prepare the student for the GED Tests in the areas of literature, grammar and essay writing, social science, science, and mathematics. Repeatable up to a maximum of three times.
Lecture Hours: 2 Laboratory Hours: 0
GEKPR 099  GEK REVIEW  1 HR. (ASE)
Prerequisite: Reading level 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to prepare the student for the GEK Test in the areas of literature, grammar and essay writing, social science, science, and mathematics.
Lecture Hours: 1 Laboratory Hours: 0

General Motors Automotive Service Education Program (GM-ASEP)

ASEP 120  ENGINE PERFORMANCE II  2 HRS. (OC)
Prerequisite: Department approval. This course covers the principles of fuel and ignition systems in modern gasoline engines. Diagnostic techniques and repair procedures are emphasized. Special emphasis is placed on the use of modern test equipment to analyze problems and computer operations.
Lecture Hours: 1 Laboratory Hours: 3

ASEP 121  ELECTRICAL SYSTEMS II  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.
Lecture Hours: 2 Laboratory Hours: 3

ASEP 127  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.
Lecture Hours: 1 Laboratory Hours: 6

ASEP 211  INTERNAL COMBUSTION ENGINES  4 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, microscopes, dial indicators and other special tools in the visual inspection, measurement, and service procedures for automotive/light truck engines.
Lecture Hours: 2 Laboratory Hours: 6

ASEP 229  EMISSIONS AND DRIVABILITY  3 HRS. (OC)
Prerequisite: Department approval. This course covers the emission controls systems used in modern gasoline engines. The use of test equipment and proper repair procedures are emphasized. Drivability of the automobile is also covered by studying the interaction of fuel, ignition and emission systems.
Lecture Hours: 2 Laboratory Hours: 3

ASEP 250  INTERNSHIP  4 HRS. (OC)
Prerequisite: Department approval. This supervised experience is required of students enrolled in the GM-ASEP program. Students' needs and objectives determine major emphasis of this course.
Lecture Hours: 0 Laboratory Hours: 20 or equivalent

ASEP 251  INTERNSHIP  4 HRS. (OC)
Prerequisite: Department approval. This supervised experience is required of students enrolled in the GM-ASEP program. Students' needs and objectives determine major emphasis of this course.
Lecture Hours: 0 Laboratory Hours: 20 or equivalent

Geographic Information Systems

GIS 100  MAP APPRECIATION AND INTERPRETATION  1 HR. (OC)
This course introduces the student to maps and their ability to provide information on a wide variety of topics. Basic elements of cartography will be examined in addition to an examination of various types of maps. Emphasis will also be given to developing map interpretation skills.
Lecture Hours: 1 Laboratory Hours: 0

GIS 102  INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS  3 HRS. (OC)
This course is a basic introduction to the concepts, techniques, and applications of geographic information systems (GIS). Cartographic and database skills are established and their interrelationship examined to learn how a GIS can be created and then utilized to analyze and display information.
Lecture Hours: 3 Laboratory Hours: 0

GIS 104  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.
Lecture Hours: 3 Laboratory Hours: 0

GIS 106  GLOBAL POSITIONING SYSTEMS  1 HR. (OC)
This course will teach the knowledge and skills necessary to utilize global positioning systems (GPS) to collect, process, and use geographic data. Students will learn and apply GPS theory and techniques through field survey experiences.
Lecture Hours: 1 Laboratory Hours: 0
GIS 108 REMOTE SENSING 3 HRS. (OC)
This course provides an introduction to the techniques of collecting and interpreting information about the earth's surface through non-contact methods. The current relationship with geographic information systems (GIS) will be examined.
Lecture Hours: 2 Laboratory Hours: 2

GIS 110 GEDATABASES 2 HRS. (OC)
This course is an introduction to the structure and capabilities of a geodatabase. Coverage will include creation of a geodatabase, migration of existing GIS data to a geodatabase, and editing and maintaining data stored in a geodatabase.
Lecture Hours: 2 Laboratory Hours: 0

Geography

GEOG 112 CULTURAL GEOGRAPHY (S4 900N) 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.
Lecture Hours: 3 Laboratory Hours: 0

GEOG 113 WORLD REGIONAL GEOGRAPHY (S4 900N) 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.
Lecture Hours: 3 Laboratory Hours: 0

GEOG 116 GEOGRAPHY OF THE DEVELOPING WORLD (S4 903N) 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.
Lecture Hours: 3 Laboratory Hours: 0

GEOG 118 GEOGRAPHY OF THE DEVELOPED WORLD (S4 901) 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.
Lecture Hours: 3 Laboratory Hours: 0

German

GER 110 ELEMENTARY GERMAN I 4 HRS. (TC)
Prerequisite: Appropriate score on the placement test or “C” or better in ENGL 095 or ENGL 099 or departmental approval. This course is an introduction to German grammar and syntax that affords practice in listening, speaking, reading, and writing.
Lecture Hours: 4 Laboratory Hours: 0

GER 111 ELEMENTARY GERMAN II 4 HRS. (TC)
Prerequisite: GER 110 with a grade of “C” or better or equivalent. This course emphasizes conversation, reading, and composition. The course is conducted primarily in German.
Lecture Hours: 4 Laboratory Hours: 0

GER 210 INTERMEDIATE GERMAN I 4 HRS. (TC)
Prerequisite: GER 111 with a grade of “C” or better or equivalent. This course emphasizes conversation, reading, and composition. The course is conducted primarily in German.
Lecture Hours: 4 Laboratory Hours: 0

GER 211 INTERMEDIATE GERMAN II (H1 900) 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. This course is conducted in German.
Lecture Hours: 4 Laboratory Hours: 0

Graphic Communications

GCOMM 110 INTRODUCTION TO GRAPHIC COMMUNICATIONS 4 HRS. (OC)
This course introduces the basic principles, materials and equipment used in the major printing processes. Beginning skills in typography, electronic desktop publishing, photography, scanning, image manipulation, creation of printing plates and press operation are emphasized.
Lecture Hours: 2 Laboratory Hours: 4

GCOMM 112 VECTOR GRAPHICS WITH ADOBE ILLUSTRATOR 3 HRS. (OC)
This course is a study of the techniques used to prepare vector artwork for production and page layout of small documents. Students are taught the methods and conventions of drawing, painting, typesetting, and art manipulation with Adobe Illustrator using Macintosh computers. Basic techniques of digital image capture, color separation, and electronic file preparation for single and multiple color jobs are also included in this course.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 130 PAGE LAYOUT WITH ADOBE INDESIGN 3 HRS. (OC)
This course is an introduction to the tools and techniques utilized in page layout, commonly known as desktop publishing. The more common configurations of hardware and software are discussed, and skills are developed in the use of Adobe InDesign software. The importing of word processing files, prepared art, and scanned images or digital photographs into the layout are covered. Use file templates, master layouts, and text-formatting styles to dramatically improve production workflow. Students will also be taught to use conditional text and layers to develop customized versions of a document to further layout efficiency. Design considerations in the correct selection of typefaces and use of line elements, and the outputting of files for printed media or electronic publishing are covered.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 140 PRINTING METHODS 4 HRS. (OC)
Prerequisite: GCOMM 110 with a grade of “C” or better, or department approval. This course covers offset lithography and silk screen press operation.
Lecture Hours: 2 Laboratory Hours: 4

GCOMM 150 PRODUCTION TECHNIQUES AND PROCESSES 3 HRS. (OC)
Prerequisite: GCOMM 110 with a grade of “C” or better. This course is designed to provide a study of the materials, supplies, and production concerns found in the printing industry. The basics of estimating job costs, using both conventional and computerized methods, are presented. Production concerns from the copy preparation stage to those encountered in binding and finishing are discussed, and their impact on the scheduling of printing production is covered.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 160 OCCUPATIONAL PHOTOSHOP TECHNIQUES 1 HR. (OC)
This course contains practical applications of image editing and digital enhancement with Adobe Photoshop for occupational use. Techniques in the manipulation of digital photographs and commercially available images with Photoshop for industry-specific needs will be covered in this course.
Lecture Hours: 0 Laboratory Hours: 2

GCOMM 225 SCREEN PRINTING 3 HRS. (OC)
Prerequisite: GCOMM 110, GCOMM 112, GCOMM 250 all with a grade of “C” or better or department approval. This course will provide an introduction to the screen printing trade. Students will explore copy preparation, mesh selection, frames, stencil systems, printing techniques, ink and substrate compatibility, reclamation of screens, and how screen printing affects the finishing processes. A combination of technical laboratory applications and theory will provide the foundation for this course.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 230 ADVANCE PAGE LAYOUT AND INTERACTIVE CROSS MEDIA
Prerequisite: GCOMM 130 with a grade of “C” better. This course is a continuation of GCOMM 130 with emphasis on some of the more advanced features, techniques, and software utilized in electronic publishing. In addition to in-depth publishing topics using Adobe InDesign, this course will introduce students to page layout techniques using Quark XPress software, interactive document creation using Adobe Acrobat Pro, and ePUB creation.
Lecture Hours: 1 Laboratory Hours: 4
Course Descriptions

GCOMM 235  DIGITAL PHOTOGRAPHY AND SCANNING FOR PUBLISHING  3 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in 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.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 245  WEB PUBLISHING WITH ADOBE DREAMWEAVER  3 HRS. (OC)
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 instruction in the use of authoring software such as Adobe Dreamweaver and Fireworks.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 247  ADVANCE WEB PUBLISHING WITH ADOBE DREAMWEAVER AND FLASH  3 HRS. (OC)
Prerequisite: GCOMM 245 with a grade of “C” or better. This course is a study of the techniques used in creating sophisticated web pages. Students are taught the correct methods of image optimization using Fireworks, and the development of box model CSS template driven web pages using Adobe Dreamweaver. Interactive web page design objects and form validation will be covered using Spry elements. The creation of vector animations with Adobe Flash, and the construction of virtual reality tours using Autodesk Stitcher.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 248  MODELING AND ANIMATION WITH AUTODESK MAYA  3 HRS. (OC)
Prerequisite: GCOMM 245 with a grade of “C” or better. This course is designed to introduce the student to the creation of two-dimensional (2D) and three-dimensional (3D) animations. The two-dimensional vector animation software Adobe Flash will be used to develop interactive animations. The focus in the 2D animation will be to explore the creation of motion with a timeline interface and programming interactive behavior to control the state of the animations. The topics covered with 2D animation will be built upon in the following 3D animation portion of the class using Autodesk Maya. Students will be taught how to develop 3D models, animate and render them for output as stream video for web delivery, and capture still images for use in print.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 250  BEGINNING ADOBE PHOTOSHOP TECHNIQUES  3 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in 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.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 251  ADVANCED ADOBE PHOTOSHOP TECHNIQUES  3 HRS. (OC)
Prerequisite: GCOMM 250 with a grade of “C” or better. This course is a study of advanced image editing with Adobe Photoshop. Techniques in the manipulation of images, streamlining of production, and the creation of original images with Photoshop for conventional or electronic publication are included.
Lecture Hours: 1 Laboratory Hours: 4

GCOMM 255  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 department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15

GCOMM 260  GRAPHIC COMMUNICATIONS INTERNSHIP  1-3 HRS. (OC)
Prerequisite: GCOMM 110, GCOMM 112, GCOMM 130, GCOMM 245, and GCOMM 250, all with a grade of “C” or better. This course will help to prepare students for careers in the graphic communications work force. This exposure to the workplace will help students’ understanding of the different types of careers, work environment, work flows, job duties and how they will be able to fit into the workplace.
Lecture Hours: 1 - 3 Laboratory Hours: 0

Graphic Design

GRDSN 114  WATERCOLOR ILLUSTRATION  2 HRS. (OC)
This course is a study of realism, perspective, picture structure, color and values in modern watercolor painting techniques. Projects are created both in the studio and at community locations.
Lecture Hours: 0 Laboratory Hours: 4

GRDSN 130  GRAPHIC DESIGN SOFTWARE TOPICS  1 HR. (TC)
This course contains hands-on, skill-building modules with a variety of current software topics that stress contemporary industry-standard software in the multimedia industry. Students acquire applied software skills and competencies in four-week modules for current and emerging graphic design software applications. This course is repeatable when content of topics is different up to a total of three hours credit.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

GRDSN 140  GRAPHIC DESIGN I  3 HRS. (TC)
This introductory studio course provides a foundation in practices, techniques, processes, terminology, theory and aesthetics of graphic design. Studio projects stress concept, graphic form, structure and visual organization methods, to develop effective solutions for visual communication problems. Projects combine aspects of image, text, space, and color, in both traditional and new-media approaches.
Lecture Hours: 0 Laboratory Hours: 6

GRDSN 141  INTRODUCTION TO ILLUSTRATION  3 HRS. (OC)
Prerequisite: GRDSN 140 with a grade of “C” or better or department approval. This course is a continuation of GRDSN 140, and emphasizes various styles and techniques of illustration and graphic design used in contemporary visual communications. It provides a foundation for acquiring aesthetic and technical proficiency and addresses creation and reproduction problems in both traditional and new digital media.
Lecture Hours: 0 Laboratory Hours: 6

GRDSN 142  TYPEOGRAPHY  3 HRS. (TC)
Prerequisite: GRDSN 140 with a grade of “C” or better or department approval. This course is an introductory course in the Graphic Design sequence. Studio and laboratory projects stress research, basic typographical terminology, and methods for effective graphic design solutions. Analysis of historical trends in typographic design creates a context for contemporary trends and practical applications in the field of Graphic Design. Course objectives stress exploration of design and typographic elements in various graphic design software applications, understanding an application of typographic terminology and processes, comprehension of the value of typographic design, and creation of typographic design for effective visual communication.
Lecture Hours: 0 Laboratory Hours: 6

GRDSN 143  COMPUTER ILLUSTRATION I  3 HRS. (OC)
Prerequisite: Concurrent enrollment in GRDSN 140 or GRDSN 141 or department approval. This course is an introduction that teaches basic skills in creating computer illustration using Macintosh computers and vector image 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.
Lecture Hours: 0 Laboratory Hours: 6

GRDSN 150  GRAPHIC DESIGN II  3 HRS. (TC)
Prerequisite: GRDSN 140 with a grade of “C” or better and credit or concurrent enrollment in GRDSN 142. This course stresses studio and laboratory project development and design of digital graphic solutions. This course includes advanced graphic design problems, stressing a practical foundation of knowledge of the graphic design process and methodologies. Instruction includes theoretical basis and practical approach to concept and creation of studio and laboratory projects. Advanced graphic design techniques, processes, terminology, software and conceptual skills are emphasized.
Lecture Hours: 0 Laboratory Hours: 6

GRDSN 240  ADVANCED GRAPHIC DESIGN I  3 HRS. (TC)
Prerequisite: GRDSN 142 and GRDSN 150 both with a grade of “C” or better or department approval. This course includes advanced graphic design problems, stressing methodologies for creating effective solutions for visual communications. Instruction includes theoretical basis and practical approach to concept and creation of studio and laboratory projects. Advanced graphic design techniques, processes, terminology, software and conceptual skills are stressed.
Lecture Hours: 0 Laboratory Hours: 6

GRDSN 241  ADVANCED GRAPHIC DESIGN II  3 HRS. (OC)
Prerequisite: GRDSN 240 with a grade of “C” or better or department approval. This course is a continuation of GRDSN 240, in creating advanced graphic design problems. Development of projects for portfolio presentation and career preparation for the Graphic Design field is stressed.
Lecture Hours: 0 Laboratory Hours: 6
**GRDSN 254 COMPUTER ILLUSTRATION II** 2 HRS. (OC)
Prerequisite: GRDSN 143 with a grade of “C” or better 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. 

Lecture Hours: 0 Laboratory Hours: 4

**GRDSN 255 INDEPENDENT STUDY** 1-5 HR. (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 dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

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**Greek**

**GRK 110 FUNDAMENTALS OF GREEK I** 4 HRS. (TC)
Prerequisite: Appropriate score on placement test or “C” or better in ENGL 095 or “C” better ENGL 099 or department approval. This course is designed primarily for students interested in acquiring a reading knowledge of Greek.

Lecture Hours: 4 Laboratory Hours: 0

**GRK 111 FUNDAMENTALS OF GREEK II** 4 HRS. (TC)
Prerequisite: GRK 110 with a grade of “C” or better or equivalent. This course is a continuation of GRK 110 with emphasis on developing further knowledge of the Greek language.

Lecture Hours: 4 Laboratory Hours: 0

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**Green Building Environment**

**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.

Lecture Hours: 2 Laboratory Hours: 5

**GRBCR 120 BUILDING ROOF SYSTEMS** 4 HRS. (OC)
Prerequisite: Concurrent enrollment in ARCTK 119 and GRBCR 110 with a grade of “C” or better. This course introduces the student to the roof systems used in residences and light commercial applications. Students will understand basic roof requirements such as sustaining wind and snow loads. Students will be able to recognize components of the common roofing systems. Students will learn to practice environmentally sensitive methods for installing and repairing roof systems.

Lecture Hours: 2 Laboratory Hours: 5

**GRBCR 150 BUILDING ENVELOPE EVALUATION** 3 HRS. (OC)
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. This course prepares individuals to pass the Building Performance Institute (BPI) exam.

Lecture Hours: 2 Laboratory Hours: 2

**GRBE 110 INTRODUCTION TO GREEN BUILDING NEEDS** 3 HRS. (OC)
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.

Lecture Hours: 3 Laboratory Hours: 0

**GRBE 120 BUILDING ENERGY ANALYSIS** 3 HRS. (OC)
Prerequisite: REACT 211 or concurrent enrollment. 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.

Lecture Hours: 3 Laboratory Hours: 0

**GRBE 130 CENTRAL HEATING AND COOLING PLANT** 3 HRS. (OC)
Prerequisite: GRBE 120 with a grade of “C” or better. In this course the student will develop a strong understanding of what a central system is and the advantages over spot heating and cooling. Course content will also cover the old style systems through to the greenest types of heating and cooling systems.

Lecture Hours: 3 Laboratory Hours: 0

**GRBE 140 INDOOR AIR QUALITY AND GREEN BUILDINGS** 4 HRS. (OC)
This course will deal with the impacts of indoor air quality on green building and energy effects.

Lecture Hours: 3 Laboratory Hours: 3 or equivalent

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**Health**

**HLTH 041 BASIC LIFE SUPPORT (CPR)** .5 HRS. (VSC)
This course presents the techniques of cardiopulmonary resuscitation (CPR) and foreign body airway obstruction (FBAO) management. Upon successful completion of written and skills evaluations, the student will be issued an American Heart Association Healthcare Provider card.

Lecture Hours: 5 Laboratory Hours: 0

**HLTH 071 BASIC ELECTROCARDIOGRAMS** 1 HR. (OC)
Prerequisite: Department approval. This course is designed to prepare the student to perform electrocardiograms. Emphasis is placed on lead placement, artifact, and machine operation. Basic anatomy and physiology of the cardiac system and electrophysiology are presented. Lethal dysrhythmias will be discussed. Practical skills experiences will be provided to correlate with the course content.

Lecture Hours: .5 Laboratory Hours: 1.5 or equivalent

**HLTH 108 ELECTROCARDIOGRAM INTERPRETATION** 1 HR. (OC)
This course is designed to prepare the student to identify key elements of the electrocardiogram in order to interpret and recognize patterns of dysrhythmias. Basic anatomy and physiology of the cardiac system and cardioelectrophysiology are presented. This course will prepare the student for advanced cardiac life support study.

Lecture Hours: 0.5 Laboratory Hours: 1.5

**HLTH 110 FUNDAMENTALS OF STERILE PROCESSING** 2 HRS. (OC)
Prerequisite: None. This course introduces students to an understanding of the decontamination, packaging, and handling of surgical medical products; processing and reprocessing of instruments and products; and the issues involved in inventory control and quality assurance of sterile products.

Lecture Hours: 1.5 Laboratory Hours: 1

**HLTH 116 NURSEASSISTANT: ALZHEIMER’S DISEASE** 1 HR. (OC)
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.

Lecture Hours: 1 Laboratory Hours: 2

**HLTH 120 FIRST AID** 2 HRS. (TC)
This course is designed to provide basic knowledge and skills needed to provide immediate first aid in case of accident or illness. Emphasis is placed on personal safety and accident prevention. Two lecture hours per week or equivalent.

Lecture Hours: 2 Laboratory Hours: 0

**HLTH 121 MEDICAL TERMINOLOGY** 2 HRS. (OC)
Prerequisite: COMPASS reading score of 62 or higher. 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.

Lecture Hours: 2 Laboratory Hours: 0

**HLTH 150 FOUNDATIONS OF HEALTH** 3 HRS. (TC)
This course is an overview of current health issues. In addition to physical/mental health conditions, the course also explores environmental factors, violence and health care costs as they relate to individuals, families and the community.

Lecture Hours: 3 Laboratory Hours: 0

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**Health Occupations**

**HEOCC 111 INTRODUCTION TO HEALTH CAREERS** 1 HR. (OC)
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.

Lecture Hours: 0.5 Laboratory Hours: 1.5
**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.
Lecture Hours: 1 Laboratory Hours: 2

**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 healthcare issues, interpersonal dynamics, team management, employability skills, basic computer skills, and problem solving/cases are included.
Lecture Hours: .5 Laboratory Hours: 1.5

**HEOCC 200** DISEASE PROCESSES IN MAN  3 HRS. (OC)
Prerequisite: BIOL 140 with a grade of “C” or better or department approval. This course is designed to acquaint the student with disorders affecting tissues, organs and systems of the human body. Major health problems affecting large numbers of patients will be examined in relationship to causes, occurrence, signs and symptoms, diagnostic findings, treatment and prognosis, and the patient’s, family’s, and society’s responses to them.
Lecture Hours: 3 Laboratory Hours: 0

**HEOCC 220** LEGAL ISSUES IN HEALTH CARE  1 HR. (OC)
Prerequisite: Acceptance to Physical Therapist Assistant or Occupational Therapy Assistant or Radiography or Medical Coder curricula or department approval. This course explores the legal foundations of health care delivery. Health law including negligence, hospital responsibilities, patient rights, and federal and state labor laws is discussed.
Lecture Hours: 1 Laboratory Hours: 0

**HEOCC 230** 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 the development of an understanding of the health care system and resources: people, money, equipment and facilities. Credentialing mechanisms will be identified and discussed.
Lecture Hours: 1 Laboratory Hours: 0

**History**

**HIST 111** EARLY WORLD CIVILIZATIONS (H2 906)  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, and the Americas as well as Europe and the Mediterranean.
Lecture Hours: 4 Laboratory Hours: 0

**HIST 112** MODERN WORLD CIVILIZATIONS (H2 907)  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 1500. Particular emphasis is placed on political, economic, and social developments which have shaped the cultures of the world including Europe, Russia, Africa, Asia, the Middle East, and the Americas.
Lecture Hours: 4 Laboratory Hours: 0

**HIST 117** EARLY WESTERN CIVILIZATION (S2 902)  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course presents an introduction to the history of Western Civilization in the Ancient, Medieval, and Renaissance periods. Major topics include origins of civilization, the Hebrews, Greek and Roman civilization, origins and development of Christianity, Medieval society and economy, the rise of national monarchies, the Renaissance, the Protestant Reformation, and the origins of modern economic and political concepts.
Lecture Hours: 3 Laboratory Hours: 0

**HIST 118** MODERN WESTERN CIVILIZATION (S2 903)  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course presents an introduction to the history of Europe and its relationships with the world since the Renaissance. Major topics include development of science and technology, capitalism and industry, liberalism, imperialism, nationalism, socialism, totalitarianism, and international relations.
Lecture Hours: 3 Laboratory Hours: 0

**HIST 201** AMERICAN HISTORY TO 1877 (S2 900)  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 federal government; the rise and development of political parties; changing concepts of democracy; the Westward movement; sectional controversy; the Civil War; and Reconstruction.
Lecture Hours: 3 Laboratory Hours: 0

**HIST 202** AMERICAN HISTORY SINCE 1877 (S2 901)  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 Reconstruction to the present. Topics include western expansion and the impact on the frontier; the growth and development of an industrial economy; responses to industrialization; reform and the meaning of American democracy; the United States and World War I; the 1920’s, the Depression and the New Deal; World War II; and the United States since 1945.
Lecture Hours: 3 Laboratory Hours: 0

**HIST 203** ILLINOIS HISTORY  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course provides an introduction to the understanding of Illinois within a larger national and international context, focusing on forces and factors that have shaped growth and development of industry, education, cultural affairs, politics and commerce.
Lecture Hours: 3 Laboratory Hours: 0

**HIST 204** AFRICAN-AMERICAN HISTORY  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course traces the experiences of African-Americans in the United States from 1619 to the present. Particular emphasis is placed on contributions of African-Americans to American culture and society.
Lecture Hours: 3 Laboratory Hours: 0

**HIST 210** PERSPECTIVES ON THE PRESENT  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course involves detailed study of a specific topic identified in the course title each time it is offered, with the general goal of providing insights relevant to the contemporary world from a historical perspective. This course is repeatable once for credit as long as topic is different.
Lecture Hours: 3 Laboratory Hours: 0

**HIST 231** HISTORY OF EAST ASIA (S2 908N)  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course presents an introductory survey of East Asian history from ancient times to the present, including China, Korea, Japan, Taiwan, and Vietnam. To a lesser extent we will also study Indonesia, the Philippines, and other Pacific islands in the context of colonialism. Our study will begin with the ancient origins of our cultures, proceeding through their classical periods c. 500 BC – AD 1500, and concluding with the modern era of Western imperialism, globalization, and other issues through the early 21st century. This course requires a writing component.
Lecture Hours: 3 Laboratory Hours: 0

**Horticulture**

**HORT 110** INTRODUCTION TO HORTICULTURAL PLANTS (AG 905)
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.
Lecture Hours: 3 Laboratory Hours: 3

**HORT 114** TURF MANAGEMENT I  3 HRS. (OC)
This course emphasizes the general types of turfgrasses, their growth habits and requirements and the establishment of turf. Fertilizers, diseases, insects, weeds and turf equipment are included.
Lecture Hours: 2 Laboratory Hours: 3

**HORT 124** LANDSCAPE CONSTRUCTION  3 HRS. (OC)
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.
Lecture Hours: 2 Laboratory Hours: 3

**HORT 125** LANDSCAPE PLANTS I  3 HRS. (OC)
This course includes identification characteristics of evergreen plants, ground covers and vines for landscaping. Emphasis is placed on their culture, use and aesthetic value.
Lecture Hours: 2 Laboratory Hours: 3
HORT 126  HORTICULTURAL PLANT PRUNING  2 HRS. (OC)
This course is for 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, 4) develop the techniques to prune small fruits, 5) select the correct equipment for pruning, and 6) develop an understanding of safe practices related to pruning and equipment use.
Lecture Hours: 1 Laboratory Hours: 2

HORT 130  LANDSCAPE PLANTS II  3 HRS. (OC)
This course emphasizes the identification, selection, use and maintenance of deciduous trees and shrubs.
Lecture Hours: 2 Laboratory Hours: 3

HORT 132  PLANT DISEASES AND INSECTS AND THEIR CONTROL  3 HRS. (OC)
This course is a study of the various diseases and insects that attack ornamental shrubs, trees and grasses. The latest developments in chemical control and machinery for application are considered.
Lecture Hours: 2 Laboratory Hours: 3

HORT 134  ARBORICULTURE TECHNIQUES  1 HR. (OC)
Prerequisite: HORT 126 with a grade of "C" or better. This course will teach the student the materials and methods of properly pruning trees by climbing. Emphasis will be on proper equipment selection, utilizing safe practices, and teamwork.
Lecture Hours: 1 Laboratory Hours: 0

HORT 210  PLANT PROPAGATION  3 HRS. (OC)
This course studies the propagation of various types of plants used in the horticulture industry. Sexual and asexual plant propagation techniques will be discussed and laboratory exercises utilizing these principles performed.
Lecture Hours: 2 Laboratory Hours: 3

HORT 213  LANDSCAPE LAYOUT AND DESIGN  3 HRS. (OC)
Prerequisite: HORT 125 with a grade of "C" or better and HORT 130 with a grade of "C" or better. This course is an introduction to free hand drawing and scale drawings. Cost calculations and layout designs for specific jobs are emphasized.
Lecture Hours: 1 Laboratory Hours: 6

HORT 214  HORTICULTURAL MECHANICS  3 HRS. (OC)
This course includes the adjustment and maintenance of equipment used in industry. Special emphasis is given to spreader and sprayer calibration, sod cutters, mowing equipment, seeders, aerifiers, and servicing and troubleshooting two- and four- cycle engines.
Lecture Hours: 2 Laboratory Hours: 3

HORT 216  IRRIGATION SYSTEMS  2 HRS. (OC)
Prerequisite: HORT 114 with a grade of "C" or better. This course will teach the student about irrigation system concepts, equipment, design, troubleshooting, and repair. Emphasis will be on residential design systems. Golf course systems will be introduced.
Lecture Hours: 2 Laboratory Hours: 0

HORT 218  LANDSCAPE ESTIMATION AND CONTRACTS  2 HRS. (OC)
This course is for the student to 1) learn to interpret landscape plans for estimation and installation, 2) prepare landscape estimates, 3) use computer spreadsheets in estimating, 4) understand commercial software used in preparing estimates, and 5) use the various contracts common to the landscape industry.
Lecture Hours: 2 Laboratory Hours: 0

HORT 219  LANDSCAPE ESTABLISHMENT AND MANAGEMENT  2 HRS. (OC)
This course is for the student to: 1) understand the sequential process of installing a landscape project, 2) to understand the processes involved in site development of a landscape project, 3) learn the installation procedures recommended for landscape plant material, and 4) learn the maintenance techniques recommended for landscape plant material.
Lecture Hours: 2 Laboratory Hours: 0

HORT 226  OCCUPATIONAL INTERNSHIP AND SEMINAR  5 HRS. (OC)
Prerequisite: Department approval. This course 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.
Lecture Hours: 0 Laboratory Hours: 20

HORT 229  HORTICULTURE BUSINESS MANAGEMENT  3 HRS. (OC)
This course discusses the horticulture business field including organization, financing, merchandising, personnel management, credit and analytical procedures.
Lecture Hours: 3 Laboratory Hours: 0

HORT 235  ADVANCED TURF MANAGEMENT  3 HRS. (OC)
Prerequisite: HORT 114 with a grade of "C" or better. 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 selecions, pest control, and equipment usage.
Lecture Hours: 3 Laboratory Hours: 0

HORT 237  GARDEN FLOWERS  3 HRS. (OC)
This course is designed to provide basic knowledge about annual flowers, perennial flowers, wild flowers and herbs. Emphasis is on their care, propagation and use in the landscape.
Lecture Hours: 2 Laboratory Hours: 3

HORT 238  WINTER IDENTIFICATION OF DECIDUOUS PLANTS  1 HR. (OC)
Prerequisite: HORT 130 with a grade of "C" or better or department approval. This course concentrates on the identification of deciduous trees and shrubs by their winter characteristics. The use of plant keys will be emphasized.
Lecture Hours: 1 Laboratory Hours: 0

HORT 241  INTRODUCTION TO COMPUTERIZED LANDSCAPE DESIGN  2 HRS. (OC)
Prerequisite: HORT 213 with a grade of "C" or better or department approval. This course is an introduction to the use of computers for landscape design. The course covers software basics, and starting, editing, and completing drawings using DynaSCAPE(c). Two-dimensional commands will be emphasized, but the student will also be introduced to 3-D. The last quarter of the course will allow the student to do an on-site visit and carry the design to completion.
Lecture Hours: 1 Laboratory Hours: 2

HORT 245  GARDEN CENTER MANAGEMENT  3 HRS. (OC)
This course will examine the management activities involved in operating a garden center. Topics will include: merchandising and pricing strategies, salesmanship, advertising, maintenance of garden center green goods, and managing garden center personnel.
Lecture Hours: 3 Laboratory Hours: 0

HORT 255  INDEPENDENT STUDY  1-5 HR. (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 dean/associate dean for approval and remains on file within the department. Together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Hospitatlity

HOS 110  INTRODUCTION TO HOSPITALITY MANAGEMENT  3 HRS. (OC)
This course provides a survey of a travel and tourism industry, gives an insight into each department in lodging and food service operations. It explores issues hotel/motel managers face daily and highlights career opportunities.
Lecture Hours: 3 Laboratory Hours: 0

HOS 111  FRONT OFFICE OPERATIONS  3 HRS. (OC)
Prerequisite: HOS 110 with a grade of "C" or better or concurrent enrollment. This course shows students how to perform and manage front office functions and how these functions affect the overall operation of a hotel. It explains reservation, registration and check-out procedures, how to handle guest complaints and emergencies, plus basic hotel accounting and night audit procedures.
Lecture Hours: 3 Laboratory Hours: 0

HOS 112  FACILITIES MANAGEMENT  3 HRS. (OC)
Prerequisite: HOS 110 with a grade of "C" or better. This course is a survey of the various aspects of housekeeping and plant management. It includes the training, scheduling, and supervision of staff and the evaluation, purchase, and proper use of equipment, materials, and supplies.
Lecture Hours: 3 Laboratory Hours: 0

Human Services

HUMSYS 110  INTRODUCTION TO HUMAN SERVICES  3 HRS. (OC)
This course provides an introduction to the field of human services, its basic principles, the roles and functions of the human services paraprofessional, ethical codes and issues, and career exploration. Students will become acquainted with human service agencies in the College district, current social issues, and characteristics of populations with whom the human services paraprofessional works.
Lecture Hours: 3 Laboratory Hours: 0

HUMSYS 111  HUMAN SERVICES APPLICATIONS I  3 HRS. (OC)
In this course, students will become familiar with the characteristics and types of problem behavior of specific at-risk populations as well as basic skills and techniques human services paraprofessionals may use to work successfully with those clients.
Lecture Hours: 3 Laboratory Hours: 0
HUMSV 112 HABILITATION TRAINING 3 HRS. (OC)
Prerequisite: State of Illinois background check or department approval. This course provides students with information necessary for employment in direct support roles in agencies which work with developmentally disabled adults. This training enables an individual to be placed on the Developmental Disabilities Aide portion of the Nurse Aide Registry in accordance with Section 395 of the 77 Illinois Administrative Code. The course content includes introduction to developmental disabilities, human rights, abuse and neglect, human interaction and communication, service plan development implementation, First Aid and CPR, and basic health and safety. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 113 HABILITATION TRAINING FIELD EXPERIENCE 1 HR. (OC)
Prerequisite: Concurrent enrollment in HUMSV 112 and State of Illinois background check or department approval. This course gives students who desire to provide direct support to adults with developmental disabilities the opportunity to practice what they have learned in HUMSV 112 Habilitation Training under the supervision of a qualified mentor. Successful completion of the field experience course enables students to be placed on the Developmental Disabilities Aide portion of the Nurse Aide Registry in accordance with Section 395 of the 77 Illinois Administrative Code. Lecture Hours: 0 Laboratory Hours: 5

HUMSV 114 INTRODUCTION TO DEVELOPMENTAL DISABILITIES
This course teaches students about the major types of developmental disabilities, including information about their incidence, casual factors, significant characteristics, treatment, and prevention. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 120 SURVEY OF PSYCHIATRIC REHABILITATION 4 HRS. (OC)
This course is an introduction to the concept and application of psychiatric rehabilitation. The course has four major themes - the understanding of psychiatric disability and current approaches to treatment; the mental health system and surrounding legal issues; psychiatric rehabilitation through vocational skills training; and family and community support systems. Under the direction of an on-site agency supervisor, students will also spend thirty-two hours in observational experiences. Observation and interactive experiences will focus on inpatient milieu and general activities, case management, vocational training, skills training, and consumer activities. Lecture Hours: 3 Laboratory Hours: 2

HUMSV 121 PSYCHIATRIC REHABILITATION SKILLS 3 HRS. (OC)
In this course the student will learn about a rehabilitative approach to serving individuals with serious mental illness. This course has five major themes: basic interviewing and listening skills; skills training and performance, preventing and managing aggression, assessment and treatment planning, and crisis intervention. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 122 PSYCHIATRIC REHABILITATION HEALTH SKILLS 3 HRS. (OC)
This course examines three dimensions of wellness - physical, emotional, and environmental - involved in a rehabilitative approach to serving individuals with serious mental illness. Students will learn the fundamentals of physical wellness, including diet, nutrition, exercise, sanitation, disease prevention and control, and the special considerations necessary for persons with serious mental illness. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 123 VOCATIONAL AND COMMUNITY LIVING SKILLS 4 HRS. (OC)
In this course, students examine vocational rehabilitation and community living skills related to a rehabilitative approach to serving individuals with serious mental illness. The focus of the course is on developing skills for working with community, state, and federal agencies that serve mental health consumers. Under the direction of an on-site agency supervisor, students will also spend a minimum for thirty-two hours in observational experiences, the focus of which is vocational rehabilitation and case management for mental health consumers. Lecture Hours: 3 Laboratory Hours: 2

HUMSV 124 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. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 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. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 127 COMMUNITY RESOURCES AND ENTITLEMENT PROGRAMS
This course teaches students about community resources for at-risk populations and how to help human services consumers access entitlement programs. Lecture Hours: 1 Laboratory Hours: 0

HUMSV 150 HUMAN SERVICE TOPICS 1-3 HR. (OC)
In this course students will learn about the nature of specific psychosocial issues and approaches with which human services professionals and community volunteers work. Such topics could include domestic violence, depression, suicide, substance abuse, and prevention and intervention strategies. Lecture Hours: 1-3 Laboratory Hours: 0

HUMSV 151 CRISIS AND SUICIDE INTERVENTION 3 HRS. (OC)
This course is designed to prepare students to understand the nature of several psychological and social issues such as suicide, stress, mental illnesses, anxiety, substance abuse, and domestic violence. Students will also learn basic prevention and intervention strategies to deal with such issues. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 152 CHILD WELFARE SYSTEM 1 HR. (OC)
This course will provide students with an understanding of the basic child welfare policies, practices, and programs related to children and families in Illinois. They will understand how children enter the system, what happens to children while they are in the system, and how the child will exit the child welfare system. Lecture Hours: 1 Laboratory Hours: 0

HUMSV 155 SOCIAL CLASS AND THE HELPING PROFESSIONS 3 HRS. (OC)
This course is an examination of how social class is defined in the American culture and the role it plays in an individual’s view of self and world. Students will have an understanding of how social class dynamics may impact working with individuals in the helping professions through case studies, experiential learning, and literature review. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 200 HUMAN SERVICES APPLICATIONS II 3 HRS. (OC)
This course introduces students to the skills and strategies essential to effective communication in paraprofessional positions. Students will gain practical experience using effective interaction techniques with at-risk populations and documentation skills needed in human services settings. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 212 UNDERSTANDING DEMENTIA 3 HRS. (OC)
In this course, students will learn about the types and characteristics of dementia, the relationship of dementia to other mental health disorders in older persons, care giving issues and concerns, and the roles of human services paraprofessionals working with older persons who are experiencing dementia and their families. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 213 ISSUES IN ABUSE 3 HRS. (OC)
This course teaches students about abuse and neglect of children, domestic violence, and abuse, neglect, and exploitation of older persons. Topics of discussion will include: the historical context of abuse, demographics of abuse, common myths about abuse, methods of investigating abuse, and cultural differences in abuse. Lecture Hours: 3 Laboratory Hours: 0

HUMSV 250 HUMAN SERVICE INTERNSHIP 2 HRS. (OC)
Prerequisite: HUMSV 110, HUMSV 111, and HUMSV 200 all with a grade of “C” or better or department approval. This course discusses weekly seminar topics relevant to the laboratory component which occurs in selected community agencies under the supervision of both agency and college personnel. Lecture Hours: 1 Laboratory Hours: 3 or equivalent

HUMSV 255 INDEPENDENT STUDY 1-5 HR. (OC)
Prerequisite: HUMSV 110 with a grade of “C” or better and department approval. This course provides a student the opportunity to work on a specific project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant information), and the project is carried out under the direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department. The student also submits a final written report to the faculty member. Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent
Humanities

HUMAN 123 CLASSICAL HUMANITIES: BEGINNINGS     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 period. It is designed to show the inter-relationships of the arts and to give students a broad cultural background.
Lecture Hours: 3 Laboratory Hours: 0

HUMAN 124 MODERN HUMANITIES: 1650-1900 (HF 903)   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 inter-relationships of the arts and to give students a broad cultural background.
Lecture Hours: 3 Laboratory Hours: 0

HUMAN 125 CONTEMPORARY HUMANITIES (HF 903)   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, the visual arts, and music. It is designed to show the inter-relationships of the arts and to give students a broad cultural background.
Lecture Hours: 3 Laboratory Hours: 0

HUMAN 128 ART AND MUSIC (F9 900)   3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval.
This interdisciplinary course will survey the development 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 the societies from which they developed.
Lecture Hours: 3 Laboratory Hours: 0

HUMAN 129 LITERATURE AND THEATRE (H3 902)   3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval.
This course is an interdisciplinary study of the roots of contemporary literature and theatre. It is designed to show the inter-relationships of the arts and to give students a broad cultural background.
Lecture Hours: 3 Laboratory Hours: 0

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/associate dean and approval for study obtained, semester hours assigned, and an instructor-advisor appointed prior to registration. At the conclusion of the project, a written report must be submitted to the instructor-advisor. This report will remain on file in the department. The transcript will show the discipline in which the work was completed.
Lecture Hours: Laboratory Hours: 5 - 15 or equivalent

Interior Design

INDSN 140 BASIC INTERIOR DESIGN   4 HRS. (TC)
This course is an introduction to Interior Design and stresses the application of the elements and principles of design in space planning using knowledge of the basic materials used in interiors. Drafting and presentation skills are taught.
Lecture Hours: 4 Laboratory Hours: 0

INDSN 141 HISTORY OF FURNITURE AND FURNISHINGS  4 HRS. (TC)
This lecture based course covers the history of furniture, architectural elements and room design from the Prehistoric Era through Modernism. Knowledge of residential and commercial projects of a particular historical style or blend of styles is taught as well.
Lecture Hours: 4 Laboratory Hours: 0

INDSN 255 INDEPENDENT STUDY   1-5 HRS. (OC)
Prerequisite: INDSN 140 with a grade of “C” or better and INDSN 141 with a grade of “C” or better. This course provides a student an opportunity to investigate areas of Interior Design not included in the course of study according to the individual’s academic needs. The student must submit a formal written plan detailing the project, number of credit hours assigned to it and the evaluative criteria that is to be used. This project must be carried out under the direction of a faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. This course can be repeated up to three times up to a maximum of five hours semester credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

International Studies

INTST 130 THE SOCIETY AND CULTURE OF CHINA (S2 914N)  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.
Lecture Hours: 3 Laboratory Hours: 0

INTST 132 LATIN AMERICAN HUMANITIES (HF 904N)   3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course helps students understand the history, cultures, and societies of Latin America from pre-Columbian times through the present.
Lecture Hours: 3 Laboratory Hours: 0

INTST 133 CULTURES AND CIVILIZATIONS OF SUB-SAHARAN AFRICA (HF 904N)  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.
Lecture Hours: 3 Laboratory Hours: 0

INTST 134 INTRODUCTION TO MIDDLE EASTERN CULTURES (S2 916N)   3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course introduces the student to the history, cultures, and societies of the Middle East from pre-Islamic times through the present.
Lecture Hours: 3 Laboratory Hours: 0

INTST 140 GLOBAL ISSUES (S9 900)   3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course will investigate current global issues from a variety of social science perspectives, including sociology, anthropology, political science, history and geography. Through class activities students will develop a more globally informed perspective on the global issues of our day and gain an understanding of how to apply various social science disciplines to a topic.
Lecture Hours: 3 Laboratory Hours: 0

Interpreter Preparation

IPP 110 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.
Lecture Hours: 2 Laboratory Hours: 4

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.
Lecture Hours: 2 Laboratory Hours: 4

IPP 112 AMERICAN SIGN LANGUAGE III   3 HRS. (OC)
Prerequisite: IPP 111, IPP 118, and IPP 121 with a grade of “C” or better, or department approval. This course is a continuation of skills developed in IPP 111 (ASL II). IPP 112 (ASL III) seeks to enhance student performance skills in expressive production and receptive recognition and comprehension of ASL vocabulary and source messages. It provides a linguistic bridge into interpreting courses by focusing on easily confused signs and specialized sign vocabulary. Progress in the area of expressive and receptive fingerspelling skills is also emphasized.
Lecture Hours: 2 Laboratory Hours: 2

IPP 115 DEAF CULTURE I   3 HRS. (OC)
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or ENGL 110 with a grade of “C” or better or department approval. This course is designed for students who have no previous knowledge of the deaf community. It introduces the students to the basic essentials of deaf culture. Topics in the course include the history, language, attitudes, norms, behaviors, values, and traditions of deaf people. Students will also gain an awareness of the perspectives between the cultural and medical model of deafness.
Lecture Hours: 3 Laboratory Hours: 0
IPP 118 AMERICAN SIGN LANGUAGE: FINGERSPELLING I 2 HRS. (OC) AND NUMBERING
Prerequisite: IPP 110, 115, and 120 all with a grade of “C” or better, or department approval. This course 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.
Lecture Hours: 1 Laboratory Hours: 2

IPP 120 INTRODUCTION TO INTERPRETING 2 HRS. (OC)
Prerequisite: COMPASS Reading score of 61 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 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.
Lecture Hours: 2 Laboratory Hours: 0

IPP 121 PRACTICAL AND ETHICAL APPLICATIONS OF INTERPRETING 3 HRS. (OC)
Prerequisite: IPP 110, 115, and 120 all with a grade of “C” or better, or department approval. This course will focus on the interpreter’s ethical and professional decision-making according to the RID Code of Professional Conduct, the EIPA Code of Ethics, and the Demand-Control Schema as they apply to working situations within the religious, legal, performing arts, mental health, medical, rehabilitation, social services settings. In-depth discussions will assess various interpreting situations and how to implement problem-solving strategies. This course will also address various occupational settings where interpreters work and focus on agencies that provide services to Deaf and hard of hearing individuals and professional interpreters. Students will continue to observe working interpreters in professional environments. Discussions of professionalism will also be continued in this course.
Lecture Hours: 3 Laboratory Hours: 0

IPP 210 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.
Lecture Hours: 2 Laboratory Hours: 2

IPP 211 AMERICAN SIGN LANGUAGE V 3 HRS. (OC)
Prerequisite: IPP 210, 216, 220, and 230 all with a grade of “C” or better, or department approval. This course is a continuation of skills developed in IPP 210 (ASL IV). IPP 211 (ASLV) will provide students the opportunity to expand their comprehension of medium length stories and narratives. Information on cultural values and attitudes as they relate to the deaf community will be examined. Students will be given the opportunity to express self-generated stories, narratives, and dialogues of medium length in American Sign Language.
Lecture Hours: 2 Laboratory Hours: 2

IPP 216 OCCUPATIONAL INTERPRETING 3 HRS. (OC)
Prerequisite: IPP 112 with a grade of “C” or better or department approval. This course will focus on the nature, and implications of interpreting 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.
Lecture Hours: 3 Laboratory Hours: 0

IPP 220 INTERPRETING I 3 HRS. (OC)
Prerequisite: IPP 112 a grade of “C” or better and or department approval. This course focuses on the acquisition of the interpreting process and introduces the skills necessary to achieve message equivalency when interpreting spoken English messages into American Sign Language or Conceptually Accurate Signed English (CASE). It provides in-class hands-on experience and a supportive learning environment enabling students to analyze simultaneous sign language interpreting/translation and peer and self-analysis.
Lecture Hours: 1 Laboratory Hours: 4

IPP 221 INTERPRETING II 3 HRS. (OC)
Prerequisite: IPP 210, 216, 220, and 230 all with a grade of “C” or better, or department approval. This course is a continuation of IPP 220 and is designed to expand students’ skills to achieve message equivalency in simultaneously interpreting spoken English messages into American Sign Language or translating into Conceptually Accurate Signed English (CASE). Students continue to focus on source text analysis and peer and self-analysis. The students will increase skills in sight translation of written texts. Emphasis will be placed on expanding sign vocabulary of various employment settings.
Lecture Hours: 1 Laboratory Hours: 4

IPP 230 VOICE INTERPRETING I 3 HRS. (OC)
Prerequisite: IPP 112 with a grade of “C” or better or department approval. This course will assist students with the process of taking a signed message and conveying it into spoken English. It will focus on the receptive interpreting process, including voice techniques and lip-reading skills, while using the correct register and incorporating vocal expression and appropriate word choices.
Lecture Hours: 1 Laboratory Hours: 4

IPP 231 VOICE INTERPRETING II 3 HRS. (OC)
Prerequisite: IPP 210, 216, 220, and 230 all with a grade of “C” or better or department approval. This course is a continuation of IPP 230 and will expand student skills and the process of taking signed messages and conveying it into spoken English. It will focus on the receptive interpreting process, including voice techniques and lip-reading skills, while using the correct register and incorporating vocal expression and appropriate word choices.
Lecture Hours: 1 Laboratory Hours: 4

IPP 260 INTERPRETING INTERNSHIP 3 HRS. (OC)
Prerequisite: IPP 210, 216, 220, and 230 all with a grade of “C” or better or department approval. This course is designed to provide students with practical interpreting experience in real-world settings. Students will complete a minimum of 80 contact hours under the supervision of a professional mentor. Clinical classroom discussions will address ethical and legal challenges faced during internship. Emphasis will be placed on the RID Code of Professional Conduct, the EIPA Code of Ethics, professionalism, complex linguistic tasks, and expanded knowledge of various interpreting settings.
Lecture Hours: 1 Laboratory Hours: 10

Italian
ITAL 110 ELEMENTARY ITALIAN I 4 HRS. (TC)
Prerequisite: Appropriate placement score or department approval. This course is designed to develop through the natural approach the four language skills in Italian: listening, speaking, reading, and writing.
Lecture Hours: 4 Laboratory Hours: 0

ITAL 111 ELEMENTARY ITALIAN II 4 HRS. (TC)
Prerequisite: ITAL 110 with a grade of “C” or better or equivalent or department approval. This course is a continuation of ITAL110 with emphasis on listening, speaking, reading, and writing. The course is conducted primarily in Italian.
Lecture Hours: 4 Laboratory Hours: 0

ITAL 210 INTERMEDIATE ITALIAN I 4 HRS. (TC)
Prerequisite: ITAL 111 with a grade of “C” or better or equivalent or department approval. This course emphasizes conversation, selected readings, and composition. The course is conducted primarily in Italian.
Lecture Hours: 4 Laboratory Hours: 0

ITAL 211 INTERMEDIATE ITALIAN II 4 HRS. (TC)
Prerequisite: ITAL 210 with a grade of “C” or better, or equivalent, or department approval. This course is a continuation of ITAL 210. This advanced language course is designed to increase proficiency in speaking, listening, reading and writing in the language and provide the knowledge of the culture or cultures of peoples who speak the language. The writing assignments are delivered in Italian and are appropriate to both the level and the target language. This course is conducted in Italian.
Lecture Hours: 4 Laboratory Hours: 0

Journalism
JOURN 122 BEGINNING REPORTING (MC 919) 3 HRS. (TC)
This writing course emphasizes the development of professional-level news gathering and news writing skills with special emphasis on accuracy, readability, balance, news value, and human interest. The theory and practice, as well as the history of journalistic writing, are presented. Students complete assignments that may be published. Special emphasis is given to media demands of deadline and balance.
Lecture Hours: 3 Laboratory Hours: 0

JOURN 123 BASIC NEWS EDITING 3 HRS. (TC)
Prerequisite: JOURN 122 with a grade of “C” or better or department approval. This course is an introduction to the principles and techniques of electronic editing, information management, and publication design emphasizing the editing of body copy and display type for maximum clarity and impact.
Lecture Hours: 3 Laboratory Hours: 0

JOURN 142 PHOTOJOURNALISM 3 HRS. (TC)
Prerequisite: JOURN 122 or ART 140 or COM M 110 with a grade of “C” or better or department approval. This course will provide students with a working knowledge of the objectives, techniques, and skills of photojournalism, or the use of photographs to tell a story. Emphasis will be placed on work that has journalistic value, including but not limited to coverage of activities, persons of interests, and issues. Students will learn photojournalistic workflow from assignment through layout.
Lecture Hours: 2 Laboratory Hours: 2
### Library Technology

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<tr>
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<tr>
<td>LIB 110</td>
<td>INTRODUCTION TO LIBRARIES</td>
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<tr>
<td>LIB 111</td>
<td>INTRODUCTION TO RESEARCH</td>
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<tr>
<td>LIB 114</td>
<td>AUDIOVISUAL EQUIPMENT OPERATION</td>
<td>2</td>
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<tr>
<td>LIB 125</td>
<td>CATALOGING AND CLASSIFICATION</td>
<td>3</td>
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<tr>
<td>LIB 127</td>
<td>MARC RECORD AND TECHNICAL PROCESSING</td>
<td>3</td>
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<tr>
<td>LIB 200</td>
<td>INTRODUCTION TO CHILDREN'S/YOUTH SERVICES IN LIBRARIES</td>
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<td>LIB 210</td>
<td>REFERENCE</td>
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<td>LIB 216</td>
<td>INTRODUCTION TO COLLECTION DEVELOPMENT</td>
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<tr>
<td>LIB 222</td>
<td>SPECIAL TOPICS FOR LIBRARY TECHNICAL ASSISTANTS</td>
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<td>LIB 231</td>
<td>INTRODUCTION TO PATRON SERVICES</td>
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### Literature

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<tr>
<td>LIT 110</td>
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<td>LIT 111</td>
<td>THE SHORT STORY AND THE NOVEL</td>
<td>3</td>
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<td>LIT 115</td>
<td>MYTHOLOGY</td>
<td>3</td>
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<td>LIT 117</td>
<td>INTRODUCTION TO POETRY</td>
<td>3</td>
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<td>LIT 119</td>
<td>WOMAN'S LITERATURE</td>
<td>3</td>
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<td>LIT 120</td>
<td>THE BIBLE AS LITERATURE</td>
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<td>LIT 122</td>
<td>LITERATURE OF ETHNIC AMERICA</td>
<td>3</td>
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<td>LIT 124</td>
<td>NON-WESTERN LITERATURE</td>
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<tr>
<td>LIT 212</td>
<td>BRITISH LITERATURE: BEGINNINGS TO 1800</td>
<td>3</td>
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Prerequisites and course descriptions are available in the full document.
Lecture Hours: 1 Laboratory Hours: 3

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-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.
Lecture Hours: 3 Laboratory Hours: 0

MACHINE TRADES

MACTR 110 PRINT READING - MECHANICAL 3 HRS. (OC)
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-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.
Lecture Hours: 3 Laboratory Hours: 0

MACTR 121 MACHINE TOOL OPERATION I 3 HRS. (OC)
This course emphasizes safety in construction and correct handling of hand tools, layout tools, some precision and limited precision layout tools. The student is introduced to machine nomenclature and basic tool changes and set-up. The student is required to make projects by following an operation sheet with detailed information outlining set-up, performance of operations, speeds, feeds, and tool changes.
Lecture Hours: 1 Laboratory Hours: 4

MACTR 122 MACHINE TOOL OPERATION II 3 HRS. (OC)
This course is designed to further familiarize the student with the use of machine tools. The student is introduced to precision tools and the use of attachments. Selected projects help develop proficiency on machine tools while maintaining close tolerance and achieving specified surface finishes.
Lecture Hours: 1 Laboratory Hours: 4

MACTR 123 MACHINE TOOL OPERATION III 2 HRS. (OC)
This course is designed to familiarize the student with the use of machine tools. The student is introduced to precision tools and the use of attachments. Selected projects help develop proficiency on machine tools while maintaining close tolerance and achieving specified surface finishes.
Lecture Hours: 1 Laboratory Hours: 3

MACTR 124 SPECIAL MACHINING SKILLS 2 HRS. (OC)
Prerequisite: MACTR 123 with a grade of "C" or better or department approval. 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.
Lecture Hours: 1 Laboratory Hours: 3

MACTR 221 MACHINING INTERNSHIP 1 HR. (OC)
Prerequisite: Completion of MACTR 122 and NCTC 212 with a grade of "C" or better. This internship course is a cooperative project between the College and potential employers and is designed to provide industrial experience in the fields of precision machining, die making, or mold making. The student will be assigned a wide range of related on-the-job machining experiences with a local metalworking manufacturing firm.
Lecture Hours: 0 Laboratory Hours: 8

Maintenance

MAINT 101 MAINTENANCE - MECHANICAL REPAIR I 4 HRS. (OC)
Prerequisite: MAT 094 with a grade of "C" or better, or equivalent, or department approval. This course is designed to familiarize students with the fundamental theory necessary to understand and thereby perform mechanical maintenance. Reading schematics, basic electrical topics, electrochemical action, batteries, DC circuits, transformers, AC circuits, electrical measuring instruments, and electrical protective devices will be studied.
Lecture Hours: 3 Laboratory Hours: 3

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.
Lecture Hours: 3 Laboratory Hours: 3

MAINT 104 MAINTENANCE - ELECTRICAL REPAIR II 4 HRS. (OC)
Prerequisite: MAINT 103 with a grade of "C" or better 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 D.C. and A.C. electrical equipment. Topics covered include D.C. equipment, single phase and three phase motors, A.C. controls, and electrical troubleshooting techniques.
Lecture Hours: 3 Laboratory Hours: 3

Management

MGMT 113 PRINCIPLES OF MANAGEMENT 3 HRS. (TC)
This introductory management course is designed to acquaint and orient students to the role of the various levels of management in public- and private-sector organizations. Emphasis is placed on the management functions of planning, organizing, leading, and controlling. Principles of successful management practice are explored.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 114 PRINCIPLES OF SUPERVISION 3 HRS. (OC)
If there is one constant in today's business world, it is change. Wholesale changes in technologies, in organizational and competitive structure, in the social, economic, and political environments--all seem to be accelerating more rapidly than before. To operate successfully in this changing environment, organizations need supervisors with the managerial skills and creativity to turn uncertainty into opportunity. This class will equip students with the skills they need to succeed as supervisors in the present and future business world. While learning important supervisory management concepts, they will also learn how to be supervisors--how to apply the principles of supervision in the real world.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 203 SALES MANAGEMENT 3 HRS. (OC)
This course is a study of the functions of management to the sales operations of companies. Emphasis is on the sales management areas of planning, organizing, communicating, staffing, training, and evaluation.
Lecture Hours: 3 Laboratory Hours: 0
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<td>TV AND MOTION PICTURE PRODUCTION</td>
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**Marketing**

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<td>ADVERTISING</td>
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**Description**

- **MGMT 205 PERSONNEL MANAGEMENT**: 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 EEO/A.A., O.S.H.A., and N.L.R.B. rules and regulations, as well as social and economic factors. Lecture Hours: 3 Laboratory Hours: 0

- **MGMT 211 MANAGING THE SUPPLY CHAIN**: This course is a study of fundamental concepts involved in purchase of materials, supplies, and equipment. Emphasis is placed on basic procurement principles, processes, and problems in industrial, governmental, and institutional organizations. Lecture Hours: 3 Laboratory Hours: 0

- **MGMT 213 MANAGEMENT CASES AND PROBLEMS**: Prerequisite: MGMT 113 with a grade of "C" or better. This course will deal with potential solutions to problems faced by three levels of management in various types of organizations. The use of the Scientific Method in such problem solving will be evident in analyzing various cases and incidents. Special projects will enhance the student's knowledge of how to perform effectively as a manager. Lecture Hours: 3 Laboratory Hours: 0

- **MGMT 214 MANAGING TECHNOLOGY IN THE OFFICE**: 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. Lecture Hours: 3 Laboratory Hours: 0

- **MGMT 215 OFFICE MANAGEMENT**: This course will study the basic management concepts and problems encountered in administration of an office. Emphasis is placed on developing basic concepts, managing a culturally diverse workforce, and managing and controlling administrative services. Human relations, business information processing systems, including state-of-the-art equipment, records management, ergonomics, office space utilization, problem solving, and improving office systems and productivity are a part of the course. Lecture Hours: 3 Laboratory Hours: 0

- **MGMT 216 SMALL BUSINESS MANAGEMENT**: Prerequisite: ACCTG 105 or ACCTG 120 with a grade of "C" or better, or department approval. This course emphasizes aspects of management uniquely important to small firms. This course is intended to give the student practice in decision-making on the same type of problems that small businessmen face as they make decisions. Various realistic examples from small businesses are used to illustrate and emphasize basic management concepts. Lecture Hours: 3 Laboratory Hours: 0

- **MGMT 250 MANAGEMENT INTERNSHIP**: Prerequisite: Admission to the Business Management Program, department approval, and the completion of twelve semester hours of business or business-related program courses. This course involves student interns who are employed at an approved training station with a program of training scheduled by joint agreement of the student, the supervisor, and program coordinator. Special assignments, including in-house projects, case studies, and/or supplementary reports, are required. Lecture Hours: 1 Laboratory Hours: 15 or equivalent

- **MKTG 112 PRINCIPLES OF MARKETING**: This course studies the business activities involved in planning, pricing, promoting, and distributing want-satisfying goods and services to present and potential customers. Lecture Hours: 3 Laboratory Hours: 0

- **MKTG 115 RETAILING**: This course is a study of topics which include: development and present status of the retailing structure, analysis of major store functions, buying, selling, advertising, sales promotion, store operation activities, accounting control, and employment opportunities. Lecture Hours: 3 Laboratory Hours: 0

- **MKTG 200 ADVERTISING**: This course will study all forms of paid, nonpersonal communication by which an advertiser presents and promotes ideas, goods, and services. The course will include coverage of the economic and social role of advertising, customer research, selection of advertising appeals, media decisions, the creative process, evaluative research, and retail advertising. Lecture Hours: 3 Laboratory Hours: 0

- **MKTG 201 SALES**: This course presents basic principles underlying the sales process. The basic philosophy is to promote understanding of the salesperson’s obligation to self, the company, the customer, and society. Lecture Hours: 3 Laboratory Hours: 0

- **MKTG 202 CONSUMER MARKETING**: Prerequisite: MKTG 112 with a grade of "C" or better. This course provides a comprehensive understanding of consumer buying behavior that guides marketing management decisions. The focus of the course will be directed toward the application of principles, concepts, and activities that influence buying transactions and generate consumer satisfaction. Lecture Hours: 3 Laboratory Hours: 0

- **MKTG 207 EVENT PLANNING**: This course presents the basic principles underlying event planning. Topics covered include: professional meeting management, including conventions, trade shows, special event planning, meeting planners, meeting sponsors, meeting suppliers/facilities, and meeting service providers. Lecture Hours: 3 Laboratory Hours: 0

- **MKTG 260 MARKETING INTERNSHIP**: Prerequisite: Admission to the Marketing Program and department approval, and the completion of twelve semester hours of business or business-related program courses. This course involves student interns who are employed at an approved training station with a program of training scheduled by joint agreement of the student, the supervisor, and program coordinator. Special assignments including in-house projects, case studies, and/or supplementary reports are required. This course may be repeated two times. Lecture Hours: 1 Laboratory Hours: 15 or equivalent

- **MCOMM 110 INTRODUCTION TO MASS MEDIA (MC 911)**: This course is an overview of the nature of mass communication and the characteristics, functions and impact of the multiple forms of mass media. Lecture Hours: 3 Laboratory Hours: 0

- **MCOMM 113 INTRODUCTION TO RADIO, TV, AND EMERGING MEDIA (MC 914)**: A survey of the radio and television industries and the integration of electronic media with the Internet and digital media. Lecture Hours: 3 Laboratory Hours: 0

- **MCOMM 140 SPORTS MEDIA AND SOCIETY**: This course is not a forum for exchanging the latest scores or talking about last night’s big game; rather, it is a course to develop critical-thinking skills about the sports media and its role in American society. Lecture Hours: 3 Laboratory Hours: 0

- **MCOMM 150 MASS COMMUNICATION INTERNSHIP I**: Prerequisite: Department approval. This course is designed to provide the student with an on-site educational work experience. The student will work an arranged number of hours per week at a radio or TV station or other appropriate location under the supervision of a mass communication professional. At least five work hours per week per credit hour received or equivalent (summer) plus weekly meetings with a college supervising professor. Lecture Hours: 0 Laboratory Hours: 5 - 15 or equivalent

- **MCOMM 214 TV AND MOTION PICTURE PRODUCTION**: Prerequisite: MCOMM 110 with a grade of "C" or better or MCOMM 113 with a grade of "C" or better. This course is a "hands-on" introduction to the creative, technical and collaborative process of making television programming, films and corporate video. Lecture Hours: 2 Laboratory Hours: 3

- **MCOMM 215 MEDIA PERFORMANCE (MC 918)**: In this course, students develop and apply proper communication skills and techniques for performing on radio, television, podcasts or other audio/visual media. Lecture Hours: 2 Laboratory Hours: 3

- **MCOMM 217 AUDIO PRODUCTION**: Prerequisite: MCOMM 110, MCOMM 113 or MM 140 or department approval. This course is an introduction to audio recording and production techniques for broadcast, multimedia, Internet and motion picture applications. Lecture Hours: 2 Laboratory Hours: 3

- **MCOMM 220 SCRIPTWRITING**: Prerequisite: COMPASS score of 81 or better and MCOMM 110 or MCOMM 113 or department approval. This course is an introduction to the principles and practices of writing for television, radio, film, and audio/video Internet content. Students will learn how to write properly-formatted and effective scripts for commercials, drama, comedy, news and documentaries. Lecture Hours: 0 Laboratory Hours: 0
 Massage Therapy

**TM 110 INTRODUCTION TO MASSAGE THERAPY AND BODYWORK**

This course is designed to introduce students to the profession of massage therapy. An introduction to the basic principles and techniques of massage therapy will be presented. Basic Swedish Massage therapy strokes will be demonstrated and practiced as well as draping and use of oils and lotions.

Lecture Hours: 1 Laboratory Hours: 0 or equivalent

**TM 111 FUNDAMENTAL MASSAGE TECHNIQUES**

Prerequisite: Admission to the Massage Therapist Program; TM 110 and BIOL 140 with a grade of “C” or better. Concurrent enrollment in CPR for Healthcare Professionals. 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.

Lecture Hours: 1 Laboratory Hours: 0 or equivalent

**TM 112 APPLIED ANATOMY AND PHYSIOLOGY FOR THE BODYWORKER**

Prerequisite: Admission to Therapeutic Massage Program; BIOL 140 and TM 110 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 functions of the body’s systems. Class time is divided between lecture and hands-on experience to enable the students to integrate the material fully, including building the muscles on a plastic model. Emphasis is placed on studying and analyzing human structure and its effect on body functions.

Lecture Hours: 2 Laboratory Hours: 0 or equivalent

**TM 113 PROFESSIONAL ISSUES FOR THE BODYWORKER**

Prerequisite: Admission to Therapeutic Massage Program; BIOL 140 and TM 110 with a grade of “C” or better. In this course the professional practice of massage therapy 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 employees and independent worker.

Lecture Hours: 2 Laboratory Hours: 0 or equivalent

**TM 114 PATHOLOGY, DOCUMENTATION, AND TERMINOLOGY FOR THE BODYWORKER**

Prerequisite: Admission to Therapeutic Massage Program; BIOL 140 and TM 110 with a grade of “C” or better. In this course students will receive 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.

Lecture Hours: 2 Laboratory Hours: 0 or equivalent

**TM 115 CONCEPTS OF HOLISTIC HEALTH**

Prerequisite: Admission to the Massage Therapist 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 and the massage therapist are explored, as well as stress management and core strengthening. Integrating conventional and complementary therapies to promote optimal health and to prevent and treat disease will be introduced.

Lecture Hours: 1.5 Laboratory Hours: 1.5 or equivalent

**TM 120 THERAPEUTIC MASSAGE CLINICAL I**

Prerequisite: TM 111, 112, 113, 114, 115 with a grade of “C” or better. FCS 110, HLTH 120 and PSY 110 with a “C” or better or concurrent enrollment. Current CPR certification for healthcare professionals. This course applies the principles, techniques, and procedures practiced and learned in the classroom to problems the student may find in actual practice. The student will be 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 body massage utilizing basic Swedish Massage techniques, properly documenting the session in the client’s record.

Lecture Hours: 0 Laboratory Hours: 0 or equivalent

**TM 121 ADDRESSING THE MUSCLE**

Prerequisite: TM 112 and TM 114 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.

Lecture Hours: 2 Laboratory Hours: 4.5 or equivalent

**TM 123 MASSAGE THERAPY TECHNIQUES, VARIATIONS, AND APPLICATIONS**

Prerequisite: TM 112, TM 114, TM 115 with a grade of “C” or better. This course teaches students to apply massage technique variations including muscle/soft tissue manipulation, meridian points, and/or energy work.

Lecture Hours: 2 or equivalent
MATH 115 COLLEGE ALGEBRA 4 HRS. (TC)
Prerequisite: MAT 098 with a grade of “C” or better or an appropriate score on the math placement test. This course emphasizes both algebraic and graphical approaches to college algebra. Topics include functions, relations, and inverses with emphasis on polynomial, rational, exponential, and logarithmic functions; systems of equations and inequalities; and theory of equations.
Lecture Hours: 4 Laboratory Hours: 0

MATH 120 COLLEGE TRIGONOMETRY 3 HRS. (TC)
Prerequisite: 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.
Lecture Hours: 3 Laboratory Hours: 0

MATH 122 DISCRETE MATHEMATICS I (M 195 CS 915) 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.
Lecture Hours: 3 Laboratory Hours: 0

MATH 130 TECHNICAL ALGEBRA AND TRIGONOMETRY 5 HRS. (OC)
Prerequisite: MAT 095 and MAT 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 includes the topics: approaches to problem solving, dimensional analysis, the basic use of the calculator and computer, selected topics from college algebra, trigonometry, analytic geometry, and statistics. Included will be systems of equations, basic trigonometric functions, right triangle solutions, two dimensional vectors, common and natural logarithms, and basic conic sections. Scientific calculators and computer software are used.
Lecture Hours: 5 Laboratory Hours: 0

MATH 134 FINITE MATH (M 1906) 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.
Lecture Hours: 4 Laboratory Hours: 0

MATH 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES (M 1908) 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 limits; differentiation of polynomial, rational, logarithmic, and exponential functions; partial derivatives and applications; maxima and minima of functions; and techniques of integration including substitution and integration by parts. Application problems are chosen from the fields of business and social science.
Lecture Hours: 4 Laboratory Hours: 0

MATH 137 TECHNICAL CALCULUS 3 HRS. (OC)
Prerequisite: MATH 130 with a grade of “C” or better or equivalent. This course covers topics which include: functions, limits, derivatives, anti-derivatives, integrals, and applications of the definite integral. Emphasis is placed on the physical significance of the derivative and integral to enable the student to relate to the basic underlying mathematical principles.
Lecture Hours: 2 Laboratory Hours: 3

MATH 165 PRECALCULUS 5 HRS. (TC)
Prerequisite: MAT 098 with a grade of “C” or better, or an appropriate score on the math placement test. If a student has not previously completed a high school course in trigonometry, enrollment in the separate courses MATH 115 and MATH 120 is recommended. Students may not earn credit for both MATH 115/120 and MATH 165. This course is intended to provide a solid foundation in the skills of algebra and trigonometry that are required for success in elementary calculus. Algebraic topics will include: properties of functions and graphs that are commonly used in calculus, conic sections, solving equations and higher order systems of equations, and sequences and series. Trigonometry topics will include: numerical aspects, including Laws of Sines and Cosines; trigonometric identities and equation solving; powers and roots of complex numbers; and radian measure and conversion. This course will make use of current technology.
Lecture Hours: 5 Laboratory Hours: 0

MATH 190 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 develop mathematical understanding by providing opportunities to develop problem-solving and reasoning skills. In order to develop depth of understanding, the course concentrations on problems involving place value, whole numbers, decimals, fractions, ratios, and proportions. Note: MATH 115 is strongly recommended as it is a required prerequisite for the MATH 201 Mathematics for the Elementary Teacher II course.
Lecture Hours: 3 Laboratory Hours: 0

MATH 200 MATHEMATICS FOR ELEMENTARY TEACHERS I (M 1903) 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher. 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 reinforce and strengthen the prospective elementary teacher’s knowledge of the structure of the real number system and the mathematical operations that can be performed within that system. The purpose of this course is to also increase the student’s knowledge and understanding of the mathematical content which is taught in elementary schools. Mathematical reasoning and problem solving are consistent themes throughout the course. Note: MATH 115 is strongly recommended as it is a required prerequisite for the MATH 201 Mathematics for the Elementary Teacher II course.
Lecture Hours: 4 Laboratory Hours: 0

MATH 201 MATHEMATICS FOR ELEMENTARY TEACHERS II (M 1904) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, and MATH 115 with a grade of “C” or better or appropriate math placement test score, and MATH 190 or MATH 200 with a grade of “C” or better or department approval. This course is designed to survey and to expand the mathematical concepts needed to provide a modern mathematics program at the elementary level in grades K-9 and prepare teachers and prospective teachers for future changes in mathematics curricula. The course includes a study of logic and problem-solving, graphing and analysis of relations, functions and statistical data, non-metric and informal geometry, estimating and measuring, the metric system, and use of calculating devices.
Lecture Hours: 2 Laboratory Hours: 2

MATH 211 STATISTICAL ANALYSIS (M 1902) 4 HRS. (TC)
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval and MAT 095 and MATH 115 with a grade of “C” or better or equivalent. This course includes the study of frequency distribution, measures of central tendency, probability, statistical decision-making, testing hypothesis, analysis of variance, estimating and predicting.
Lecture Hours: 3 Laboratory Hours: 2

MATH 222 CALCULUS AND ANALYTIC GEOMETRY I (M 1901 MATH 901) 5 HRS. (TC)
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval and MATH 115 and MATH 120 with grades of “C” or better, or MATH 165 with a grade of “C” or better or equivalent. This is the first course of a three-semester sequence in Analytic Geometry and Calculus. The course includes the analytic geometry of lines and conics, limits and continuity of functions of one variable and an introduction to the derivative and the definite integral along with applications and the fundamental theorem of calculus.
Lecture Hours: 5 Laboratory Hours: 0

MATH 223 CALCULUS AND ANALYTIC GEOMETRY II (M 1902 MATH 902) 4 HRS. (TC)
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.
Lecture Hours: 4 Laboratory Hours: 0

MATH 224 CALCULUS AND ANALYTIC GEOMETRY III (M 1903 MATH 903) 4 HRS. (TC)
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.
Lecture Hours: 4 Laboratory Hours: 0

MATH 230 LINEAR ALGEBRA 3 HRS. (TC)
Prerequisite: MAT 223 with a grade of “C” or better. This course is a study of finite dimensional vectors, matrices, linear equations, vector spaces and subspaces, linear transformations, determinants and appropriate applications.
Lecture Hours: 3 Laboratory Hours: 0
MATH 250 DIFFERENTIAL EQUATIONS (MTH 912) 3 HRS. (TC)
Prerequisite: MATH 223 with a grade of “C” or better. This course includes first order (e.g., separable, linear, exact) with applications and simple higher order ordinary differential equations; linear independence and the Wronskian; linear differential equations with constant coefficients along with systems and applications; variation of parameters and undetermined coefficients; solution by means of Laplace transforms, solutions of partial differential equations, solutions by power series and numerical methods. Prior knowledge of the basic concepts of physics is recommended.
Lecture Hours: 3 Laboratory Hours: 0

Mathematics (Non-transfer)
MAT 092 PRE ALGEBRA 3 HRS. (BEC)
Prerequisite: Placement into MAT 092 is according to placement test scores or on a voluntary basis. This course (formerly Introduction to Mathematics) is designed for students who need to review basic arithmetic and prealgebra skills before taking Elementary Algebra (MAT 094 - formerly MAT 104). Topics include basic operations and applications of whole numbers, fractions, decimals, signed numbers and an introduction to algebra. 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 Elementary Algebra.
Lecture Hours: 3 Laboratory Hours: 0

MAT 094 ELEMENTARY ALGEBRA 5 HRS. (BEC)
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. The course includes real numbers, linear equations, and inequalities, systems of equations, exponents, polynomials, factoring, quadratic equations, and rational expressions and equations. It is recommended that students take the math placement test before registering for any math course.
Lecture Hours: 5 Laboratory Hours: 0

MAT 095 ELEMENTARY GEOMETRY 3 HRS. (BEC)
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.
Lecture Hours: 3 Laboratory Hours: 0

MAT 097 ELEMENTARY ALGEBRA REVIEW 2 HRS. (BEC)
Prerequisite: One year of high school algebra (or equivalent) and department approval or by math 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.
Lecture Hours: 2 Laboratory Hours: 0

MAT 098 INTERMEDIATE ALGEBRA 3 HRS. (BEC)
Prerequisite: MAT 094 or MAT 097 with a grade of “C” or better or an appropriate score on the math placement test. This course includes work in linear and quadratic equations, systems of equations, exponents, radicals, functional relationships, and logarithms. It also includes work in graphing linear, quadratic, square root, cubic, exponential, and logarithmic functions. The course is designed for students who have had a minimum of one year of high school algebra or those needing a review of second-year high school algebra.
Lecture Hours: 3 Laboratory Hours: 0

MAT 099 MATHEMATICAL LITERACY 6 HRS. (BEC)
Prerequisite: A grade of “C” or higher in MAT 092 (or equivalent) or appropriate math placement test score, or department approval. This course is a one semester course for non-math and non-science majors integrating numeracy, proportional reasoning, algebraic reasoning, and functions. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. Throughout the course, college success content will be integrated with mathematical topics. Credit earned does not count toward any degree, nor does it transfer. Upon successful completion of the course, students will be prepared to take MATH 110 or MATH 111. This course is not a prerequisite course for MATH 115.
Lecture Hours: 6 Laboratory Hours: 0

MAT 106 APPLIED ALGEBRA, GEOMETRY AND TRIGONOMETRY 4 HRS. (OC)
Prerequisite: MAT 094 with a grade of “C” or better 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.
Lecture Hours: 3 Laboratory Hours: 3

Mechanical Technology
MECTK 106 BASIC DRAFTING 2 HRS. (OC)
This introductory course in drafting is for students who either did not have a previous drafting course or wish a review of previous work taken.
Lecture Hours: 1 Laboratory Hours: 3

MECTK 110 INTRODUCTION TO THE TOOLS OF TECHNOLOGY 3 HRS. (OC)
This course introduces the student to the industrial fields of design and manufacturing and explores the communication and computing tools used by technologists working in these fields. The student will work as part of a team assigned to carry a project from design to production. The course will integrate computer applications with modern design and manufacturing theory. Computer applications including word processing, spreadsheets, database management, graphics, and problem solvers will be explored in classroom instruction and hands-on computer laboratory experiences. Students will explore the occupational field they have chosen and how it compares with other technical fields. Members of the technology faculty and guests from industry will interact with students and provide career guidance.
Lecture Hours: 2 Laboratory Hours: 4

MECTK 111 TECHNICAL DRAFTING 2 HRS. (OC)
Prerequisite: 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 maintenance and machine shop environment.
Lecture Hours: 1 Laboratory Hours: 3

MECTK 115 PRINCIPLES OF DIMENSIONAL METROLOGY 2 HRS. (OC)
This theory and laboratory course is designed to develop dimensional measurement understanding and ability. Topics covered include the standard concepts of dimensional contact measurement, the principles of standards, comparison measurement, piece-part features, calibration of instruments, and non-traditional techniques of non-contact measurement.
Lecture Hours: 1 Laboratory Hours: 3

MECTK 121 INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD (IND 911)
In this course, the computer-aided drafting will be explored as students review basic principles of orthographic projection, pictorial views, sectioning and auxiliary views. Two-dimensional problems will be explored using AutoCAD software. Students will gain experience creating and editing graphic entities as they construct mechanical working drawings.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 123 MECHANICAL DETAILING WITH AUTOCAD 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 parts libraries, data extraction files and CAD menus as they construct mechanical working drawings.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 125 3-D MODELING WITH PRO-ENGINEER 4 HRS. (OC)
Prerequisite: MECTK 121 with a grade of “C” or better or department approval. This course will provide mechanical design students with an introduction to 3-D parametric solid modeling, assemblies and drawings. Students will develop professional skills in approaching and solving these problems via the CAD workstation.
Lecture Hours: 2 Laboratory Hours: 4

MECTK 138 MANUFACTURING PROCESSES I (IND 913) 3 HRS. (OC)
This course is designed to provide an understanding of the basic principles and practices used in traditional manufacturing. Topics covered include: productivity, automation and design principles; metal removal methods; and metal forming methods. Considerable emphasis is placed on creating process planning schedules. The role of the manufacturing engineer is covered, with emphasis on how the student selects the best manufacturing process to most economically perform the required series of manufacturing operations to produce quality parts.
Lecture Hours: 2 Laboratory Hours: 4

MECTK 149 BASIC POWER TRANSMISSION 2 HRS. (OC)
Prerequisite: MAT 094 with the grade of “C” or better. This course is the first of a three-course sequence. Basic Power Transmission provides the student with basic knowledge and hands-on experience of mechanical processes used by industry. Students will become proficient in mechanical areas including: precision measuring using micrometers and gage blocks, bolt identification and torque specifications, proper dial indicator use and thread repair procedures. Students will also be instructed in the proper and safe use of tools. The other two courses in this sequence are MECTK 150 and 151.
Lecture Hours: 1 Laboratory Hours: 3
Course Descriptions

MECTK 150  MECHANICAL SYSTEMS I  2 HRS. (OC)
Prerequisite: MECTK 149 with a grade of "C" or better. This course is the second of a three-course sequence. Mechanical Systems I provides the student with basic knowledge and hands-on experience of mechanical systems used by industry. Students will become proficient in mechanical areas including: component and shaft alignment, bearings, v-belt and chain drives, couplings, and spur gears. Students will also be instructed in the proper and safe use of tools. The other two courses in this sequence are MECTK 149 and MECTK 151.
Lecture Hours: 1 Laboratory Hours: 3

MECTK 151  MECHANICAL SYSTEMS II  2 HRS. (OC)
Prerequisite: MECTK 150 with a grade of "C" or better. 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.
Lecture Hours: 1 Laboratory Hours: 4

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.
Lecture Hours: 1 Laboratory Hours: 3

MECTK 155  PIPING SYSTEMS  1 HR. (OC)
This course was designed to introduce the student to lay out and fabricate piping systems. Students will learn the theory behind fluid systems including: air, water, oil, and steam. Students will research piping requirements, lay out the piping systems and then fabricate them.
Lecture Hours: .5 Laboratory Hours: 2

MECTK 201  MECHANISMS  3 HRS. (OC)
Prerequisite: PHYS 112 with a grade of "C" or better and MATH 130 with a grade of "C" or better. This course is a study of existing mechanisms and their motion characteristics. The position, velocity, and acceleration of linkages, cams, gears, and gear trains are analyzed. Calculations are performed using graphical vector techniques in order to develop an understanding of the concepts. Computer software is then used to design, animate, and analyze complete machines.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 204  STATICS AND STRENGTH OF MATERIALS  4 HRS. (OC)
Prerequisite: PHYS 112 with a grade of "C" or better. This course is an introduction to the analysis of 2-D (dimensional) force systems applied to static machine elements. Methods of calculating the stresses produced by the force systems are introduced. Emphasis is placed on the calculation of axial, bending, and torsional stresses and combinations of those stresses. The concept of principal stress is introduced. The laboratory is designed to supplement the classroom presentation and involves measuring forces and stresses with electronic instrumentation.
Lecture Hours: 3 Laboratory Hours: 3

MECTK 220  ADVANCED CAD PROJECTS WITH PRO-ENGINEER  2 HRS. (OC)
Prerequisite: MECTK 123 and MECTK 125 both with a grade of "C" or better or department approval. This course provides the student with advanced 3-D CAD with problems in Pro-Engineer software. Topics include Variable section sweeps with graphs, trajectories, and formulas. Advanced rounds, Pro-program, and user defined features.
Lecture Hours: 1 Laboratory Hours: 3

MECTK 221  MACHINE DESIGN I  3 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in MECTK 204, PHYS 112 with a grade of "C" or better, and MATH 130 with a grade of "C" or better. This course includes various topics associated with the design process. Students will be introduced to design problem definition, research methods, and traditional and computer-aided evaluation methods. Students will learn to utilize engineering standards, manufacturer's catalogs, design manuals, application engineering software, and CAD (computer-aided design) systems as tools in the design process. The course stresses the design of a complete machine.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 222  MACHINE DESIGN II  3 HRS. (OC)
Prerequisite: MECTK 221 with a grade of "C" or better, credit or concurrent enrollment in MECTK 204, credit or concurrent enrollment in PHYS 113, and MATH 130 with a grade of "C" or better. This course is a continuation of MECTK 204 in that it involves more complicated statics problems and stress calculations. The concept of principal stress is further developed. Principal stress directions are used to gain an insight into component failure analysis. The topic of fatigue design and theories of failure are introduced. The above concepts of stress analysis are applied to springs, drive shafts, gears, bearings, bolts, and welds. A realistic design project is carried out in the laboratory with emphasis on project management.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 226  STATISTICS AND QUALITY CONTROL (IND 914)  3 HRS. (OC)
Prerequisite: MECTK 138 and MAT 106 both with a grade of "C" or better; or department approval. This course is designed to provide training in fundamentals basic to control and improvement of quality of materials, products, processes, services and systems. The principles of industrial statistics are applied to analysis of data, control of product and process and the evaluation of performance of men, materials, equipment and systems in meeting design specifications for products or services during production and end use.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 231  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.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 232  MATERIALS SCIENCE AND PHYSICAL METALLURGY  3 HRS. (OC)
Prerequisite: MECTK 138 with a grade of "C" or better or MACTR 122 with a grade of "C" or better or department approval. This course is a study of basic chemical and physical principles determining the nature, behavior and treatments of materials for modification of structure and mechanical properties. Practice in applying laboratory methods is provided primarily as used for examination, treatment and evaluation of metals and alloys.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 238  MANUFACTURING PROCESSES II  3 HRS. (OC)
Prerequisite: MECTK 138 with a grade of "C" or better. This course is a continuation of MECTK 138, including how processes are selected, what they can be expected to do, how they can be utilized most efficiently, and what is required to analyze and evaluate them. Topics covered include: metal working and forging; metal deposition; casting and molding; welding methods; heat-treatment; non-traditional machining; surface finishing and material selection. Considerable emphasis is placed on manual and computer-aided process planning.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 252  ADVANCED TROUBLESHOOTING  3 HRS. (OC)
Prerequisite: Successful completion of MECTK 231 with a "C" or better. This course was designed to bring the maintenance mechanic student into an environment parallel to industry. The student will work in a team for solving mechanical, hydraulic, and electrical systems and components found in industry. The maintenance mechanic student will troubleshoot a complete system.
Lecture Hours: 1 Laboratory Hours: 6

MECTK 255  INDEPENDENT STUDY  1-5 HR. (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 evaluation criteria to be used, and other relevant matters). The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Medical Laboratory

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, microscopy, and staining. Lectures and supervised clinical practice in a histology laboratory are included.
Lecture Hours: 2 Laboratory Hours: 18

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 microscopy and preparation of finished slides. Basic immunology as applied to the theory of staining is studied. Lectures and supervised clinical practice in a histology laboratory are included.
Lecture Hours: 1 Laboratory Hours: 12
MEDLB 255 INDEPENDENT STUDY 1 HR. (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 the 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 department chair/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit. Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Medical Laboratory Technology

MLT 101 INTRO TO MEDICAL LABORATORY SCIENCE 1 HR. (OC)
This course is an introduction to the medical laboratory science profession. It is an overview of the profession of medical technology, purposes and techniques of blood and body fluid analysis in the clinical laboratory, and the use of this scientific data in determination of an individual's health condition. Lectures and student laboratories are included. Lecture Hours: 0.5 Laboratory Hours: 1 or equivalent

MLT 102 INTRODUCTION TO GENERAL MEDICAL LABORATORY TECHNIQUES 1 HR. (OC)
This course is an introduction to medical laboratory techniques which addresses basic techniques used in medical laboratories from using pipette, making dilutions, streaking plates for microorganism cultivation to phlebotomy. Various testing methods and testing procedures will be introduced. Lectures and student laboratories are included. Lecture Hours: 0.5 Laboratory Hours: 1 or equivalent

MLT 110 INTRODUCTION TO THE MEDICAL LABORATORY 2 HRS. (OC) AND PHLEBOTOMY
Prerequisite: Admission to the Medical Laboratory Technician Program, Phlebotomist Program, or department approval. This course is an introduction to the clinical laboratory: its functions, its personnel structure, and its relationship to the total healthcare system. Venipuncture techniques, micro puncture techniques, phlebotomy equipment, safe practices, and medico legal aspects are also studied. Lecture Hours: 1 Laboratory Hours: 2 or equivalent

MLT 112 PHLEBOTOMY CLINICAL PRACTicum 2 HRS. (OC)
Prerequisite: MLT 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, micro punctures, safe techniques, interpersonal communication, ethics and professionalism will be practiced. Lecture Hours: 0 Laboratory Hours: 6.5

MLT 115 FUNDAMENTALS OF URINALYSIS AND BODY FLUIDS 3 HRS. (OC)
Prerequisite: Admission to Medical Laboratory Technician program or department approval. This course is an introduction to the study of urine and body fluids. Course studies urine formation including function and diseases of the kidney. Main focus is on detection of physical, chemical and microscopic properties of urine in normal and abnormal states. Content also includes discussion of miscellaneous fluid analysis, cerebrospinal fluid analysis, and fecal occult blood analysis. Additional practice on basic medical laboratory techniques will be emphasized. Lecture Hours: 2 Laboratory Hours: 2 or equivalent

MLT 116 FUNDAMENTALS OF IMMUNOLOGY AND SEROLOGY 2 HRS. (OC)
Prerequisite: Admission to Medical Laboratory Technician program or department approval. This course is a study of the basic immunological principles to provide a general orientation to immunology. It will focus on antigen and antibody structures and how they relate to immune system disorders. Immunologic principles of laboratory diagnosis of human infectious diseases are emphasized. Lectures and student laboratories are included. Lecture Hours: 1.5 Laboratory Hours: 1 or equivalent

MLT 210 FUNDAMENTALS OF HEMATOLOGY AND HEMOSTASIS 3 HRS. (OC)
Prerequisite: MLT 115 and MLT 116 with a grade of “C” or better, or department approval. This course is a study of basic laboratory techniques in hematology and hemostasis. The course focuses on theories and principles of normal blood cell production, identification of blood cells and their morphology along with the laboratory techniques used in cell counts and differentials are included in lectures and student laboratories. This course also discusses the four major systems of hemostasis and common disease states associated with these systems. Lecture Hours: 1.5 Laboratory Hours: 3 or equivalent

MLT 214 FUNDAMENTALS OF CLINICAL CHEMISTRY 2.5 HRS. (OC)
Prerequisite: MLT 115 and MLT 116 with a grade of “C” or better, or department approval. This course is an introduction to basic principles and practices of clinical chemistry. It will include automation, specimen handling, quality control, chemical mathematics, electrolytes, proteins, carbohydrates, enzymes, and trace elements. Lectures and student laboratories are included. Lecture Hours: 2 Laboratory Hours: 1

MLT 216 FUNDAMENTALS OF IMMUNOHEMATOLOGY 4 HRS. (OC)
Prerequisite: MLT 116 with a grade of “C” or better; or department approval. This course is a study of the basic principles and laboratory techniques of immunohematology. It will focus on antigen and antibody in relation to transfusion and donor services. Lectures and student laboratories are included. Lecture Hours: 2 Laboratory Hours: 4

MLT 218 FUNDAMENTALS OF CLINICAL MICROBIOLOGY 3 HRS. (OC)
Prerequisite: MLT 115 and MLT 116 with a grade of “C” or better; or department approval. This course is an introduction to clinical microbiology which includes collection and handling of biological specimens and bacteria identification techniques. Commonly encountered bacteria will be covered. Lectures and student laboratories are included. Lecture Hours: 1.5 Laboratory Hours: 3 or equivalent

MLT 220 ADVANCED CLINICAL HEMATOLOGY 2 HRS. (OC)
Prerequisite: MLT 210 with a grade of “C” or better. This course focuses on disorders of blood cells including anemias, leukemias, and other white blood cell neoplasms. Lectures and student laboratories are included. Lecture Hours: 1 Laboratory Hours: 1 or equivalent

MLT 222 APPLIED CLINICAL EXPERIENCE I 4 HRS. (OC)
Prerequisite: MLT 115, MLT 116, MLT 210, MLT 214, MLT 216 and MLT 218 with a grade of “C” or better on each course. This course is a clinical experience in the disciplines of phlebotomy, urinalysis, and basic testing procedures in immunohematology/blood banking, hematology, microbiology, chemistry, and immunology/serology. Lecture Hours: 0 Laboratory Hours: 12 or equivalent

MLT 224 ADVANCED CLINICAL CHEMISTRY 2 HRS. (OC)
Prerequisite: MLT 214 with a grade of “C” or better. This course is a continuation of MLT 214 with emphasis on pathophysiology and testing related to liver function, endocrine function, lipid metabolism, toxicology testing, therapeutic drug monitoring, tumor markers, cardiac markers, and blood gases. Lectures and student laboratories are included. Lecture Hours: 1.5 Laboratory Hours: 1 or equivalent

MLT 228 ADVANCED CLINICAL MICROBIOLOGY 2.5 HRS. (OC)
Prerequisite: MLT 218 with a grade of “C” or better; or department approval. This course concentrates on the basics of acid fast organisms, parasites, and fungi, including their pathophysiology, epidemiology and associated diseases. Common diseases caused by microorganisms by anatomical sites will be discussed. Lecture and student laboratories are included. Lecture Hours: 2 Laboratory Hours: 1 or equivalent

MLT 230 PROFESSIONAL SEMINAR 2 HRS. (OC)
Prerequisite: MLT 218 and MLT 216 with a grade of “C” or better. This course is a review of all of the major disciplines of the clinical laboratory. Professional and ethical issues concerning the clinical laboratory technician are discussed. Lectures and student laboratories are included. Lecture Hours: 1 Laboratory Hours: 3 or equivalent

MLT 232 APPLIED CLINICAL EXPERIENCE II 5 HRS. (OC)
Prerequisite: MLT 220, MLT 222, MLT 224, and MLT 228 with a grade of “C” or better. This course is a continuation of clinical experience to enhance technical skills along with clinical applications in the disciplines of phlebotomy, urinalysis, immunohematology/blood banking, hematology, microbiology, chemistry, and immunology/serology. Lecture Hours: 0 Laboratory Hours: 15 or equivalent

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. Lecture Hours: 4 Laboratory Hours: 0

MEDO 111 MEDICAL ASSISTANT CLINICAL PROCEDURES 4 HRS. (OC)
Prerequisite: Completion of BIOL 140, MEDO 110, MEDO 112, and HEOCC 112 with a grade of “C” or better. This course is an introduction to the clinical procedures commonly performed in health care settings which include medical asepsis and infection control, medical history and patient assessment, vital signs, assisting with the physical examination, surgical instruments and sterilization, assisting with minor office surgery, preparing and administering medications and maintaining their
records, and other common diagnostic and therapeutic procedures. Lectures and applied experiences are included.

Lecture Hours: 2 Laboratory Hours: 6 or equivalent

MEDO 112 MEDICAL OFFICE COMPUTER SKILLS 1 HR. (OC)
Prerequisite: Admission to the Medical Assisting Program, Medical Office Assistant Program and/or department approval and concurrently enrolled in MEDO 110. This course emphasizes basic computer software operations as applied to the medical office setting.

Lecture Hours: 0.5 Laboratory Hours: 1

MEDO 114 CLINICAL LABORATORY SKILLS FOR MEDICAL ASSISTANTS 4 HRS. (OC)
Prerequisite: MLT 110 (CLT 110) and admission to the Medical Assistant 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 tests, and to properly clean and maintain lab equipment.

Lecture Hours: 2 Laboratory Hours: 4 or equivalent

MEDO 115 INTRODUCTION TO ICD-10-CM AND ICD-10-PCS CODING 3 HRS. (OC)
Prerequisite: HLTlh 121 with a grade of “C” or better or department approval. This course is intended to introduce the student to the concepts of coding medical conditions and procedures. Through guided instruction and practical experience students will become familiar with an entry-level proficiency in the techniques of coding using the ICD-10-CM (International Classification of Diseases, 10th revision, Clinical Modification) and ICD-10-PCS (International Classification of Diseases, 10th revision, Procedure Coding System).

Lecture Hours: 3 Laboratory Hours: 0

MEDO 116 INTRODUCTION TO ICD-9-CM CODING 3 HRS. (OC)
Prerequisite: HLTlh 121 with a grade of “C” or better or department approval. This course is intended to introduce the student to the concepts of coding medical conditions and procedures. Through guided instruction and practical experience students will become familiar with an entry-level proficiency in the techniques of coding using the ICD-9-CM (International Classification of Diseases, 9th revision, Clinical Modification).

Lecture Hours: 3 Laboratory Hours: 0

MEDO 117 INTRODUCTION TO CURRENT PROCEDURAL TERMINOLOGY (CPT) CODING 2 HRS. (OC)
Prerequisite: HLTlh 121 with a grade of “C” or better or equivalent, and/or department approval. This course is designed to teach the basic purpose, structure and conventions of the CPT system.

Lecture Hours: 2 Laboratory Hours: 0

MEDO 118 CODING INTERNSHIP 2 HRS. (OC)
Prerequisite: MEDO 115, MEDO 117, and MEDO 120, all with a grade of “C” or better. This supervised internship course is arranged for students in a variety of health care settings where they will have the opportunity to apply and gain a working knowledge of the International Classification of Diseases and Current Procedural Terminology coding systems to determine appropriate reimbursement for services rendered by health care providers.

Lecture Hours: 0 Laboratory Hours: 7.5

MEDO 119 INTRODUCTION TO PHARMACOLOGY FOR MEDICAL ASSISTANTS 2 HRS. (OC)
Prerequisite: Admission to the Medical Assistant Program. This course provides an introduction of pharmacology for the medical assistant. Emphasis will be placed on mathematical drug calculations, basic drug terminology, drug classifications, and a drug's effect on the different body systems.

Lecture Hours: 1 Laboratory Hours: 2 or equivalent

MEDO 120 INTERMEDIATE ICD-10-CM AND ICD-10-PCS CODING 3 HRS. (OC)
Prerequisite: MEDO 115 with a grade of “C” or better and/or department approval. This course builds on the basic knowledge of coding presented in the introductory course. Explanation of coding procedures for complex body systems as well as the technicalities of complete and accurate coding and DRG assignments in the in-patient setting will be covered.

Lecture Hours: 2 Laboratory Hours: 2

MEDO 122 MEDICAL OFFICE ADMINISTRATIVE PRACTICUM 3 HRS. (OC)
Prerequisite: MEDO 110 and MEDO 112, ACCTG 105, BIOL 106, ENGL 110, HLTlh 041, all with a grade of “C” or better and must be taken concurrently with WP 122, HEDSOC 112, BUS 121, MEDO 115 or MEDO 117 or completed with a grade of “C” or better. This course is a practical application of the common medical office administrative skills by participation in a supervised experience at a local health care facility.

Lecture Hours: 0 Laboratory Hours: 15 or equivalent

MEDO 125 MEDICAL ASSISTANT PRACTICUM 3 HRS. (OC)
Prerequisite: MEDO 111, MEDO 115, CLT 111, CLT 112, HLTlh 071, HLTlh 120, and HLTlh 041 all with a grade of “C” or better. This course is a continued study of medical assisting administrative and clinical skills by participating in supervised practical experience at local health care settings.

Lecture Hours: 0 Laboratory Hours: 15 or equivalent

MEDO 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 specified study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Multimedia

MM 105 BASIC MACINTOSH 1 HR. (OC)
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.

Lecture Hours: 0 Laboratory Hours: 2

MM 130 MULTIMEDIA SOFTWARE TOPICS 1-4 HR. (OC)
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 four-week modules for current and emerging multimedia software applications.

Lecture Hours: 0 Laboratory Hours: 2 - 8 or equivalent

MM 140 MULTIMEDIA PRODUCTION I 3 HRS. (TC)
This course provides introductory skills survey of multimedia communications, production components, elements, aesthetics, and tools. It introduces the fundamentals of text-processing, digital graphics, digital audio and video, web-based design, and interactive media presentation formats are introduced. Basic skills and strategies in a variety of multimedia software, systems, peripherals, document and file formats, and Internet navigation and production are emphasized.

Lecture Hours: 0 Laboratory Hours: 6

MM 142 DIGITAL PHOTOGRAPHY 3 HRS. (TC)
Prerequisite: MM 140 and GRDSN 140 both with a grade of “C” or better. This introductory course explores applied hybrid and digital photography in digital darkroom studio projects. Project assignments are created with direct camera work and methods of image capture, manipulation, enhancement, synthesis and derivation. Students acquire facility with digital cameras, computers, and image-processing software and peripherals. Projects and critiques stress image-making as documentary and narrative visual communication for graphic design and multimedia applications. Studio, laboratory and location exercises and assignments are required. Assigned readings and research address technical, aesthetic, rhetorical, technological and ethical implications of the contemporary digital darkroom and images.

Lecture Hours: 0 Laboratory Hours: 6

MM 150 MULTIMEDIA THEORY 3 HRS. (TC)
Prerequisite: MM 140 and GRDSN 140 both with a grade of “C” or better. This theory-based course explores, examines, interprets and examines fundamental aspects of contemporary art, design, communication, rhetorical, and technological theories. Students explore theories to inform, explain, understand and create new interactive multimedia contexts and environments.

Lecture Hours: 0 Laboratory Hours: 6

MM 230 DIGITAL VIDEO PRODUCTION 3 HRS. (TC)
Prerequisite: MM 140 and MM 150 both with a grade of “C” or better. This studio course provides advanced video production techniques for use in multimedia, Internet, and new media projects. This is a fundamental course in nonlinear production. The course combines technical information, video production, technical skills, and editing with a theoretical and practical approach. Reproduction planning, storyboarding, and effects production are explored.

Lecture Hours: 0 Laboratory Hours: 6
**MM 231 - VIDEO SPECIAL EFFECTS** 3 HRS. (OC)
Prerequisite: MM 140 and MM 150 both with a grade of "C" or better. This studio course provides advanced video production effects for multimedia, Internet, and new media projects. The course emphasizes principles and properties of special effects for text, keying, traveling masks, and other effects. Advanced software techniques are explored.
Lecture Hours: 0 Laboratory Hours: 6

**MM 241 - MULTIMEDIA AUTHORING** 5 HRS. (TC)
Prerequisite: MM 140 and GRDSN 140 both with a grade of "C" or better. This course includes authoring of multimedia presentations, using industry-standard software. Design management, interactivity, branching, navigation, user interface, and digital components are stressed. Digital acquisition and processing of text, graphics, animation, video and sound are also covered. Problem-solving, prototypes, sequential design, and digital media integration are stressed.
Lecture Hours: 0 Laboratory Hours: 10

**MM 255 - INDEPENDENT STUDY** 1-5 HR. (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. Repeatable to a max of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

### Music

**MUS 110 - CLASS PIANO I** 2 HRS. (TC)
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.
Lecture Hours: 2 Laboratory Hours: 0

**MUS 111 - CLASS PIANO II** 2 HRS. (TC)
Prerequisite: MUS 110 with a grade of "C" or better. This course is for music majors who have little or no previous piano instruction. The purpose of this course is to develop a basic ability at the keyboard required of the musician and enhance aural understanding of music. Laboratory hours will be practice outside of the classroom. This course can be repeated up to three times.
Lecture Hours: 2 Laboratory Hours: 0

**MUS 114 - CLASS PIANO FOR NON-MUSIC MAJORS** 2 HRS. (TC)
This course is for non-music majors who have little or no previous piano instruction. By the end of the semester the student is able to play most simple keyboard music for personal enjoyment.
Lecture Hours: 0 Laboratory Hours: 2

**MUS 117 - APPLIED PIANO I** 1 HR. (TC)
Prerequisite: Piano experience, and registration in ensemble or department approval. This course provides continuing study for the piano major on an individualized basis. Music majors are expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

**MUS 118 - APPLIED PIANO II** 1 HR. (TC)
Prerequisite: Piano experience, completion of previous course in sequence, and registration in ensemble or department approval. This course provides continuing study for the piano major on an individualized basis. Music majors are expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

**MUS 128 - APPLIED VOICE I** 1 HR. (TC)
Prerequisite: Concurrent registration in an ensemble. This course provides continuing study for the voice major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

**MUS 129 - APPLIED VOICE II** 1 HR. (TC)
Prerequisite: MUS 128 with a grade of "C" or better, and concurrent registration in an ensemble. This course provides continuing study for the voice major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

**MUS 130 - 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. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3

**MUS 131 - CONCERT BAND** 1 HR. (TC)
All students who play wind or percussion instruments may enroll. Music students whose major performing instrument is brass, woodwind or percussion must enroll. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3 or equivalent

**MUS 132 - JAZZ BAND** 1 HR. (TC)
Prerequisite: Department approval. All students who play guitar, piano, wind and percussion instruments may enroll. Some students may be required to audition. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3

**MUS 134 - CONCERT CHOIR** 1 HR. (TC)
All students who want to sing in a choral organization may enroll. Voice majors should enroll. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3

**MUS 136 - MUSIC FUNDAMENTALS** 3 HRS. (TC)
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.
Lecture Hours: 3 Laboratory Hours: 0

**MUS 137 - 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. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3

**MUS 146 - BEGINNING CLASS GUITAR I** 2 HRS. (TC)
This is a basic course in beginning guitar. Students will study the fundamentals of tuning, proper instrument grip, proper finger positions, various strumming and picking styles, and chord structures. Instruction will include the essential elements of music theory, such as notation, keys, scales, intervals, and triads, as these apply to the playing of the guitar.
Lecture Hours: 2 Laboratory Hours: 0

**MUS 147 - BEGINNING CLASS GUITAR II** 2 HRS. (TC)
Prerequisite: MUS 146 with a grade of "C" or better. This course is a second semester/continuation of a basic course in beginning guitar. Students will study the fundamentals of tuning, proper instrument grip, proper finger positions, various strumming and picking styles, and chord structures, progressing toward an intermediate level. Instruction will include review and expansion upon essential elements of music theory, such as notation, keys, scales, intervals, and triads, as these elements apply to the playing of the guitar.
Lecture Hours: 2 Laboratory Hours: 0

**MUS 148 - INTRODUCTION TO JAZZ (F1 904)** 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.
Lecture Hours: 3 Laboratory Hours: 0

**MUS 149 - INTRODUCTION TO MUSIC LITERATURE (F1 901)** 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 music prerequisite for this course, there is an assumption of fundamental knowledge and understanding of the elements of music.
Lecture Hours: 3 Laboratory Hours: 0

**MUS 150 - MUSIC APPRECIATION (F1 900)** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course provides continuing study for the voice major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 3 Laboratory Hours: 0

**MUS 154 - APPLIED BRASS I** 1 HR. (TC)
Prerequisite: Previous brass experience, and registration in ensemble or department approval. This course provides for continuing study for the brass major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0
MUS 154  APPLIED BRASS I  1 HR. (TC)
Prerequisite: Concurrent registration in an ensemble. This course provides for continuing study for the brass major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 155  APPLIED BRASS II  1 HR. (TC)
Prerequisite: MUS 154 with a grade of "C" or better and concurrent registration in an ensemble. This course provides for continuing study for the brass major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 158  APPLIED WOODWIND I  1 HR. (TC)
Prerequisite: Concurrent registration in an ensemble. This course provides continuing study for the woodwind major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 159  APPLIED WOODWIND II  1 HR. (TC)
Prerequisite: MUS 158 with a grade of "C" or better, and concurrent registration in an ensemble. This course provides continuing study for the woodwind major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 160  APPLIED PERCUSSION I  1 HR. (TC)
Prerequisite: Concurrent registration in an ensemble. This course provides continuing study for the percussion major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 161  APPLIED PERCUSSION II  1 HR. (TC)
Prerequisite: MUS 160 with a grade of "C" or better, and concurrent registration in an ensemble. This course provides continuing study for the percussion major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 162  APPLIED GUITAR I  1 HR. (TC)
Prerequisite: Concurrent registration in an ensemble. In this course, on-going study for the guitar major on an individualized basis is provided. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 163  APPLIED GUITAR II  1 HR. (TC)
Prerequisite: MUS 162 with a grade of "C" or better and concurrent registration in an ensemble. In this course, on-going study for the guitar major on an individualized basis is provided. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 164  GUITAR ENSEMBLE  1 HR. (TC)
Prerequisite: Department approval. This course involves working with others to prepare guitar ensemble music for public performance. The student applies techniques and musical concepts learned from Applied Guitar and/or Group Guitar. This course can be repeated up to a maximum of three times.
Lecture Hours: 0 Laboratory Hours: 3

MUS 170  HARMONY AND ANALYSIS I  3 HRS. (TC)
Prerequisite: MUS 136 with a grade of "C" or better, 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.
Lecture Hours: 3 Laboratory Hours: 0

MUS 171  HARMONY AND ANALYSIS II  3 HRS. (TC)
Prerequisite: MUS 170 and MUS 180 with a grade of "C" or better and concurrent enrollment in MUS 181. This is the second course in a series of four courses in music theory. This course begins the study of inversion and continues through cadences and phrases, non-chord tones and an introduction to seventh chords. Music majors must complete this course and MUS 181 with a grade of "C" or better to enroll in MUS 270, the third course in the sequence.
Lecture Hours: 3 Laboratory Hours: 0

MUS 180  MUSICIANSHIP I  1 HR. (TC)
Prerequisite: MUS 136 with a grade of "C" or better or department examination. Theory placement score must be 70 or higher to enroll and concurrent enrollment in MUS 170. This is the first course in a series of four courses devoted to the aural skills of musicianship. The course includes division of the beat in simple and compound meters; identification of scales, intervals, triads, and seventh chords; and melodies moving by step and using skips within the tonic triad in major and minor tonalities. Aural understanding is developed through dictation and sight singing. Music majors must complete this course and MUS 170 with a "C" or better to enroll in MUS 181.
Lecture Hours: 0 Laboratory Hours: 2

MUS 181  MUSICIANSHIP II  1 HR. (TC)
Prerequisite: MUS 180 and MUS 170 both with a grade of "C" or better. This is the second course in a series of four courses devoted to the aural skills of musicianship. The course includes intervals from the dominant triad and dominant seventh chord in major and minor keys in simple and compound meters; other diatonic intervals of the seventh and tritone; subdivision of the beat in simple and compound meters; and structured improvisation. Aural understanding is developed through dictation, sight singing, and improvisation. Music majors must complete this course and MUS 171 with a grade of "C" or better to enroll in MUS 280.
Lecture Hours: 0 Laboratory Hours: 2

MUS 210  CLASS PIANO III  2 HRS. (TC)
Prerequisite: MUS 111 with a grade of "C" or better, and concurrent registration in an ensemble. This course is for music majors who have little or no previous piano instruction. The purpose of this course is to develop a basic quality at the keyboard required by the musician and enhance aural understanding of music. Laboratory hours will be practice outside of the classroom. This course can be repeated up to three times.
Lecture Hours: 2 Laboratory Hours: 0

MUS 211  CLASS PIANO IV  2 HRS. (TC)
Prerequisite: MUS 210 with a grade of "C" or better and concurrent registration in an ensemble. This course is for music majors who have little or no previous piano instruction. The purpose of this course is to develop a basic quality at the keyboard required by the musician and enhance aural musicianship. Laboratory hours will be practice outside of the classroom. This course can be repeated up to three times.
Lecture Hours: 2 Laboratory Hours: 0

MUS 214  CLASS PIANO FOR NON-MUSIC MAJORS  2 HRS. (TC)
Prerequisite: MUS 114 with a grade of "C" or better. This course is for non-music majors who have little or no previous piano instruction. By the end of the second semester the student is able to play most keyboard music for personal enjoyment.
Lecture Hours: 0 Laboratory Hours: 2

MUS 217  APPLIED PIANO III  1 HR. (TC)
Prerequisite: Piano experience, completion of previous course in sequence, and registration in ensemble or department approval. This course provides continuing study for the piano major on an individualized basis. Music majors are expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 218  APPLIED PIANO IV  1 HR. (TC)
Prerequisite: Piano experience, completion of previous course in sequence, and registration in ensemble or department approval. This course provides continuing study for the piano major on an individualized basis. Music majors are expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 228  APPLIED VOICE III  1 HR. (TC)
Prerequisite: MUS 129 with a grade of "C" or better and concurrent registration in an ensemble. This course provides continuing study for the voice major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 229  APPLIED VOICE IV  1 HR. (TC)
Prerequisite: MUS 228 with a grade of "C" or better and concurrent registration in an ensemble. This course provides continuing study for the voice major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

MUS 230  CHAMBER SINGERS  1 HR. (TC)
Prerequisite: Department approval. Voice majors should enroll in this course which is open to a limited number of auditioned singers. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3

MUS 231  CONCERT BAND  1 HR. (TC)
All students who play wind or percussion instruments may enroll. Music students whose major performing instrument is brass, woodwind or percussion must enroll. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3 or equivalent

MUS 232  JAZZ BAND  1 HR. (TC)
All students who play guitar, piano, wind and percussion instruments may enroll. Some students may be required to audition. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3 or equivalent
All students who want to sing in a choral organization may enroll. Voice majors should enroll. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3

Prerequisite: Department approval. Voice majors, voice minors, and students from the total student body are encouraged to audition for this ensemble. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 3

Prerequisite: MUS 155 with a grade of "C" or better and concurrent registration in an ensemble. This course provides for continuing study for the brass major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: MUS 254 with a grade of "C" or better and concurrent registration in an ensemble. This course provides for continuing study for the brass major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: MUS 258 with a grade of "C" or better and concurrent registration in an ensemble. This course provides for continuing study for the brass major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: Previous percussion experience, completion of previous course in an ensemble. This course provides for continuing study for the percussion major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: MUS 258 with a grade of "C" or better and concurrent registration in an ensemble. This course provides continuing study for the windwood major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: MUS 159 with a grade of "C" or better and concurrent registration in an ensemble. This course provides continuing study for the windwood major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: MUS 161 with a grade of "C" or better and concurrent registration in an ensemble. This course provides for continuing study for the brass major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: Previous percussion experience, completion of previous course in an ensemble. This course provides for continuing study for the percussion major on an individualized basis. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: MUS 162 with a "C" or better and concurrent registration in an ensemble. In this course, on-going study for the guitar major on an individualized basis is provided. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: MUS 262 with a grade of "C" or better and concurrent registration in an ensemble. In this course, on-going study for the guitar major on an individualized basis is provided. The music major is expected to register for applied music each semester.
Lecture Hours: 1 Laboratory Hours: 0

Prerequisite: Department approval. This course involves working with others to prepare guitar ensemble music for public performance. The student applies techniques and musical concepts learned from Applied Guitar and/or Group Guitar. This course can be repeated up to a maximum of three times.
Lecture Hours: 0 Laboratory Hours: 3 - 9

Prerequisite: MUS 171 and MUS 181 with a grade of "C" or better and concurrent enrollment in MUS 280. This is the third course in a series of four courses in music theory. The course includes 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, the fourth course in the sequence.
Lecture Hours: 3 Laboratory Hours: 0

Prerequisite: MUS 270 and MUS 280 with a grade of "C" or better and concurrent enrollment in MUS 281. This is the fourth course in a series of four courses in music theory. The course includes 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.
Lecture Hours: 3 Laboratory Hours: 0

Prerequisite: MUS 181 and MUS 171 with a grade of "C" or better and concurrent enrollment in MUS 270. This is the third course in a series of four courses devoted to the aural skills of musicianship. The course includes an introduction to chromaticism; modulation to closely-related keys; and syncopation. Aural understanding is developed through dictation and sight singing. 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.
Lecture Hours: 0 Laboratory Hours: 2

Prerequisite: MUS 280 and MUS 270 with a grade of "C" or better and concurrent enrollment in MUS 271. This course is the last in a series of four courses devoted to the aural skills of musicianship. The course includes professional rhythmic and harmonic concepts such as changing meters; the hemiola; remote modulation; diatonic modes; and post-tonal structures. Aural understanding is developed through dictation and sight singing.
Lecture Hours: 0 Laboratory Hours: 2

Prerequisite: MUS 270 and MUS 280 with a grade of "C" or better and concurrent enrollment in MUS 271. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Prerequisite: NCTK 212 with a "C" or better and MAT 106 with a grade of "C" or better or departmental approval. This course introduces the student to the evolution of machine tool technology; the development of hard automation and flexible automation; and the topics of automated control, servo systems, and computer numerical control terminology. The student is acquainted with computers in manufacturing and how they interface with CNC systems to perform useful work; the role of computer numerical control in automated work cells, flexible manufacturing systems and factory applications of CNC.
Lecture Hours: 1 Laboratory Hours: 0

This course prepares the student for practical programming assignments, and is designed to give actual hands-on experience in the setting up and operation of CNC machining and turning centers.
Lecture Hours: 1 Laboratory Hours: 3

This course prepares the student for practical programming assignments, and is designed to give advanced hands-on experience in the setting up and operation of CNC machining and turning centers.
Lecture Hours: 1 Laboratory Hours: 3

Prerequisite: NCTK 212 with a grade of "C" or better or department approval. This course prepares the student for practical programming assignments and is designed to give actual hands-on experience in the setting up and operation of CNC machining and turning centers.
Lecture Hours: 1 Laboratory Hours: 3

This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

This course prepares the student for practical programming assignments, and is designed to give advanced hands-on experience in the setting up and operation of CNC machining and turning centers.
**Occupational Therapy Assistant**

**OTA 110 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT I**

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. Lecture Hours: 2 Laboratory Hours: 3

**OTA 111 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT II**

Prerequisite: OTA 110 and OTA 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. Lecture Hours: 3 Laboratory Hours: 6

**OTA 112 PSYCHOSOCIAL DYSFUNCTION FOR THE OCCUPATIONAL THERAPY ASSISTANT**

Prerequisite: OTA 110 and OTA 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. Lecture Hours: 3 Laboratory Hours: 0

**OTA 114 THERAPEUTIC MEDIA**

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. Lecture Hours: 2 Laboratory Hours: 6

**OTA 118 FUNCTIONAL ANATOMY FOR THE OCCUPATIONAL THERAPY ASSISTANT**

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. Lecture Hours: 2 Laboratory Hours: 3

**OTA 210 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT III**

Prerequisite: OTA 111, OTA 112, and OTA 118 with a grade of C or better or department approval. This course applies the occupational therapy process related to individuals with physical dysfunction. Lecture Hours: 3 Laboratory Hours: 3

**OTA 211 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT IV**

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. Included are interventions addressing the pediatric population. Lecture Hours: 3 Laboratory Hours: 3

**OTA 212 OCCUPATIONAL THERAPY ASSISTANT PRACTICE I**

Prerequisite: OTA 110, OTA 111, OTA 112, and OTA 118 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. Lecture Hours: 1 Laboratory Hours: 10

**OTA 213 OCCUPATIONAL THERAPY ASSISTANT PRACTICE II**

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. Lecture Hours: 1 Laboratory Hours: 30

**OTA 220 MANAGEMENT AND PROGRAM DEVELOPMENT**

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. Lecture Hours: 2 Laboratory Hours: 0

**OTA 255 INDEPENDENT STUDY**

Prerequisite: Department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the study project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department. A final written report is also submitted to the faculty member by the student. Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

**Office Administration and Computer Support**

**OFACS 125 POWERPOINT**

This course covers basic training in the use of Microsoft PowerPoint, a commercially available presentation software package. This course is repeatable up to three times. Lecture Hours: 1 Laboratory Hours: 0

**OFACS 126 OUTLOOK**

This course prepares students to manage email, calendars, contacts, tasks, and other time management tools found in a business office by using a personal information management program – Microsoft Outlook. This course is repeatable up to three times. Lecture Hours: 0.5 Laboratory Hours: 1

**OFACS 132 ELECTRONIC SPREADSHEETS**

This course covers basic training in the use of commercially available electronic spreadsheet software. This course is repeatable up to three times. Lecture Hours: 2 Laboratory Hours: 2

**OFACS 211 INTEGRATED OFFICE PROJECTS**

This course covers basic training in the use of commercially available database management system software. This course is repeatable up to three times. Lecture Hours: 2 Laboratory Hours: 2

**OFACS 232 ADVANCED SPREADSHEETS**

This course covers the advanced topics of spreadsheets including multi-dimensional spreadsheets, graphics, databases, and printing enhancements. Macros (VBA) will be incorporated to present user-defined menus to assist in worksheet processing. Lecture Hours: 2 Laboratory Hours: 2

**OFACS 233 ADVANCED DATABASE**

This course covers advanced training in the use of commercially available database management systems. Such topics as custom forms, custom reports, custom data access pages, HTML documents, integration with other programs, crosstab and action queries, relationships, macros, switchboards, and an introduction to SQL will be covered. Lecture Hours: 2 Laboratory Hours: 2

**Office Occupations**

**OFICC 117 USING VOICE RECOGNITION SOFTWARE**

This course will provide instruction and practice using voice recognition software to complete office tasks using a computer. This course is repeatable up to three times. Lecture Hours: 1 Laboratory Hours: 2

**OFICC 141 SPECIAL TOPICS**

This content of these special topics courses will vary to allow an examination of various topics such as software updates, new software, new productivity tools, and emerging trends and issues in the office environment. Each section offered will present a unique topic of value to students in the office professions. This course may be repeated three times when the topic and content are different. Lecture Hours: 0.5 - 3.0 Laboratory Hours: 0
**ORIEN 110 COLLEGE SUCCESS** 3 HRS. (TC)
Prerequisite: Appropriate reading placement score or department approval. This course is designed to acquaint students with college life, community and academic resources, learning and study skills, problem-solving and success strategies.
Lecture Hours: 3 Laboratory Hours: 0

**ORIEN 111 CAREER CHOICE** 1 HR. (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 a group career counseling setting enables students to explore careers, career development, and career decision making through the use of standardized assessments and research activities.
Lecture Hours: 1 Laboratory Hours: 0

**Paralegal**

**PRRLGL 110 INTRODUCTION TO PARALEGAL** 3 HRS. (OC)
Prerequisite: ENGL 110 with a "C" or better, or equivalent. This course examines the legal assistant in the legal system and overviews the skills required of this type of work. Reference is made to legal terminology and Illinois procedural and substantive law.
Lecture Hours: 3 Laboratory Hours: 0

**PRRLGL 112 LEGAL RESEARCH I** 3 HRS. (OC)
Prerequisite: PRRLGL 110 with a grade of "C" or better or department approval. This course provides the student as to the use and contents of the law library, i.e., legal publications, treatises and other legal writings encountered in the practice of law.
Lecture Hours: 3 Laboratory Hours: 0

**PRRLGL 113 LEGAL RESEARCH II** 3 HRS. (OC)
Prerequisite: PRRLGL 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 memorandum, as well as advisory letters is emphasized.
Lecture Hours: 3 Laboratory Hours: 0

**PRRLGL 114 FAMILY LAW** 3 HRS. (OC)
Prerequisite: PRRLGL 110 and PRRLGL 112 with a grade of "C" or better or department approval. This course presents the student with an overview of administrative law, including agency rule-making and adjudication with specific emphasis on the processing of workers compensation cases under the Illinois Workers Compensation Act and federal social security practice.
Lecture Hours: 3 Laboratory Hours: 0

**PRRLGL 116 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. Paralegal students can take this course as an elective; paralegals can take this course as part of their continuing legal education.
Lecture Hours: 3 Laboratory Hours: 0

**PRRLGL 117 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.
Lecture Hours: 3 Laboratory Hours: 0

**PRRLGL 120 MEDICAL TERMINOLOGY FOR PARALEGALS** 3 HRS. (OC)
Prerequisite: Department approval. The course presents paralegal students and paralegals with the opportunity to acquire competency with medical terminology and gain experience with practical legal applications for medical terminology. Paralegal students can take this course as an elective; paralegals can take this course as part of their continuing legal education.
Lecture Hours: 3 Laboratory Hours: 0

**PRRLGL 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.
Lecture Hours: 3 Laboratory Hours: 0

**PRRLGL 141 CURRENT LEGAL TOPICS** 1-3 HRS. (OC)
Prerequisite: PRRLGL 110 with a grade of "C" or better or department approval. This course provides the student with exposure to practice-oriented contemporary topics of law. In addition to studying the recent changes to the law, students will be exposed to exercises designed to provide exposure to the skills utilized by a paralegal.
Philosophy

PHIL 110 INTRODUCTION TO PHILOSOPHY (H4 900)  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a study of recurring philosophical principles and problems. Students will examine philosophical issues surrounding knowledge, the nature of truth, identity, free will, morality, and religion.
Lecture Hours: 3 Laboratory Hours: 0

PHIL 111 LOGIC (H4 906)  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.
Lecture Hours: 3 Laboratory Hours: 0

PHIL 112 COMPARATIVE RELIGIONS (H5 904N)  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. An introductory survey of selected teachings, practices and institutions of major Eastern and Western religions. This course may include the role of history, appreciation for forms of expression, and criticism of their origins, rituals, and forms of religious knowledge and destiny.
Lecture Hours: 3 Laboratory Hours: 0

PHIL 113 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.
Lecture Hours: 3 Laboratory Hours: 0

PHIL 114 BUSINESS ETHICS  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course investigates the basic ethical frameworks from which moral decisions are derived. It applies these fundamentals to such practical problems as advertising, the profit motive, labeling, public safety, natural resource preservation and other significant concerns which arise in normal business activities.
Lecture Hours: 3 Laboratory Hours: 0

PHIL 115 ETHICS (H4 904)  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.
Lecture Hours: 3 Laboratory Hours: 0

PHIL 116 PHILOSOPHY OF RELIGION (H4 905)  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.
Lecture Hours: 3 Laboratory Hours: 0

Physical Education

PHYED 110 BASKETBALL  1 HR. (TC)
This course includes an introduction to the history and the rules of the game with an analysis of fundamentals. Emphasis is placed on individual skills and team play.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 112 SPORTS ACTIVITIES AND FITNESS  1 HR. (TC)
Participation is in various activities designed to promote physical fitness. Activities include volleyball, badminton, and other conditioning activities and games.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 114 VOLLEYBALL  1 HR. (TC)
This course stresses individual volleyball skills in passing, setting up, serving, blocking and spiking. Basic concepts of offensive and defensive team play are introduced.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 116 INTRODUCTION TO RECREATION  2 HRS. (TC)
This course is designed to orient students to the field of recreation and recreational activities. It is intended to provide each student opportunities to formulate a philosophy and some basic concepts regarding recreation and recreational services as a profession.
Lecture Hours: 2 Laboratory Hours: 0

PHYED 118 SOFTBALL  1 HR. (TC)
This course stresses individual skills in batting, bunting, base running, sliding, fielding, throwing, pitching, infield skills and outfield skills. The individual is introduced to basic concepts of offensive and defensive team play.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 119 ADVANCED SOFTBALL  1 HR. (TC)
Prerequisite: PHYED 118 with a grade of "C" or better. This course is a review of basic skills in batting, throwing, fielding, infield skills and outfield skills. The student is introduced to the more intricate aspects of team offense and defense.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 120 BOWLING  1 HR. (TC)
This course gives instruction in footwork and the fundamental movements in delivery. Rules, terminology, scoring and etiquette are also covered.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 122 ADVANCED BASKETBALL  1 HR. (TC)
Prerequisite: PHYED 110 with a grade of "C" or better. This course includes basic fundamental skills, but emphasizes defensive play, rebounding and teamwork.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 123 ADVANCED BOWLING  1 HR. (TC)
Prerequisite: PHYED 120 with a grade of "C" or better. This course will prepare the novice bowler for tournament level bowling. Skills that will be developed include reading the lanes, wrist releases, ball hooking for optimum striking consistency, as well as choosing appropriate bowling equipment.
Lecture Hours: 1 Laboratory Hours: 2 or equivalent

PHYED 124 ADVANCED VOLLEYBALL  1 HR. (TC)
Prerequisite: PHYED 114 with a grade of "C" or better. This course is a review of skills in passing, setting, serving, blocking and spiking. Concepts of offense and defense in game situations are introduced.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 125 BEGINNING FENCING  1 HR. (TC)
This introductory course emphasizes basic footwork, blade work, and competitive activities. Beginning fencing includes an introduction to the strategy and rules of fencing. Fundamental skills are reinforced through tactical games and conditioning exercises.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent
PHYED 125  BASEBALL  1 HR. (TC)
This course stresses individual skills in hitting, base running, fielding, pitching,
catching, and position skills. Team offensive and defensive concepts are included.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 127  ADVANCED BASEBALL  1 HR. (TC)
Prerequisite: PHYED 126 with a grade of "C" or better. This course is a review of
basic skills in hitting, throwing, fielding, pitching, catching, and infield and outfield
skills. Greater emphasis is placed on offensive and defensive strategies from a
team standpoint. Continuation of the development of flexibility, strength and cardio-
vascular improvement is stressed.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 128  DISTANCE RUNNING  1 HR. (TC)
This course will teach the basics of distance running including running efficiency,
improving cardiovascular endurance, muscle balance, and strength training. The
student will be introduced to competitive track or road racing and racing strategies.
This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 129  ADVANCED DISTANCE RUNNING  1 HR. (TC)
Prerequisite: PHYED 128 with a grade of "C" or better. This course stresses different
types of training for the distance runner. Philosophies will include steady state
running, fartlek, interval training, and hill training. Advanced racing techniques,
such as surging, will be introduced. This course may be repeated once for credit.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 130  GOLF  1 HR. (TC)
This course stresses the techniques of driving, fairway shots, pitching and putting.
The student is introduced to general rules and match and stroke play.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 131  ADVANCED GOLF  1 HR. (TC)
Prerequisite: PHYED 130 with a grade of "C" or better or department approval.
In this course the student will receive instruction on the basic techniques of driving,
fairway shots, pitching and putting. The class will receive instruction on shot selection
that would be utilized in actual competition.
Lecture Hours: 0 Laboratory Hours: 2

PHYED 135  ARCHERY  1 HR. (TC)
Instruction is given in equipment selection, safety, scoring, and shooting techniques.
Students also participate in tournaments in target archery and novelty events.
Lecture Hours: 0 Laboratory Hours: 2

PHYED 136  FOUNDATIONS OF HUMAN MOVEMENT  3 HRS. (TC)
This is an introduction course for physical education majors looking to transfer to
a four-year institution in an exercise science curriculum. This course will review the
history of physical education, sport and exercise science, as well as introduce the
basic concepts of movement and the professions available in this area.
Lecture Hours: 3 Laboratory Hours: 0

PHYED 138  LACROSSE, HISTORY AND BASIC SKILLS  1 HR. (TC)
This introductory course begins with a survey of the history of the sport from its
North American Indian roots to the current indoor and outdoor (men's and
women's) versions. Basic skills include: throwing, catching, cradling, scooping,
passing, shooting, and goal tending. Skills will be learned, developed and
reinforced through drills, skill contests, and actual game play using modified rules.
Lecture Hours: 0 Laboratory Hours: 2

PHYED 140  PHYSICAL CONDITIONING  1 HR. (TC)
This course involves utilization of calisthenics, weight training and aerobic activities
to promote physical fitness.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 141  FIGURE FITNESS FOR WOMEN  1 HR. (TC)
This course includes concepts and application of exercise and nutrition toward total
fitness.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 142  PERSONAL DEVELOPMENT AND WEIGHT CONTROL  1 HR. (TC)
This course is a planned program of fitness, exercise, nutrition, diet, relaxation,
purpose and sports activity for the personal development of each individual.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 143  SELF-DEFENSE  1 HR. (TC)
This course introduces self-defense in the practical form, as used in possible street
confrontations.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 145  ADVANCED PHYSICAL CONDITIONING  1 HR. (TC)
Prerequisite: PHYED 140 with a grade of "C" or better. This course involves the utiliza-
tion of calisthenics, weight training and aerobic activities to promote physical fitness.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 146  GYMNASTICS  1 HR. (TC)
Instruction in fundamental skills on selected apparatus such as the trampoline,
mats, balance beam, and on uneven parallel bars is included in gymnastics.
Lecture Hours: 0 Laboratory Hours: 2

PHYED 147  TAI CHI  1 HR. (TC)
The student is introduced to the basics of Chen style Tai Chi.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 149  WEIGHT TRAINING  1 HR. (TC)
This course emphasizes concepts and application of Nautilus, or a similar type of
equipment, and/or free weights to promote strength and physical fitness.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 150  BEGINNING SWIMMING  1 HR. (TC)
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.
Lecture Hours: 0 Laboratory Hours: 2

PHYED 152  INTERMEDIATE SWIMMING  1 HR. (TC)
Prerequisite: PHYED 150 with a grade of "C" or better or department approval. This
course provides instruction on the front and back crawl, elementary backstroke,
sidestroke and breaststroke for improved efficiency. Diving and rescue skills are
also included.
Lecture Hours: 0 Laboratory Hours: 2

PHYED 153  LIFEGUARD TRAINING  1 HR. (TC)
Prerequisite: PHYED 152 with a grade of "C" or better or department approval.
This course covers the American Red Cross principles of lifesaving.
Instruction is given in safety, accident prevention, defense mechanisms and ability
to assist and rescue others. The Lifeguarding Today Certificate may be earned.
Lecture Hours: 0 Laboratory Hours: 2

PHYED 156  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.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 160  TENNIS  1 HR. (TC)
This course provides instruction including the rules, strategy and scoring of the
game. Students are introduced to the fundamentals of the basic shots and singles
and doubles competition.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 161  ADVANCED TENNIS  1 HR. (TC)
Prerequisite: PHYED 160 with a grade of "C" or better or department approval. This
course provides instruction including the rules, singles and doubles strategy and
advanced scoring such as the tie-breaker. Students are introduced to advanced
strokes and taught to play singles and doubles in an advanced and aggressive
manner.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 162  ADVANCED WEIGHT TRAINING  1 HR. (TC)
Prerequisite: PHYED 149 with a grade of "C" or better. This course includes
advanced concepts and application of Nautilus, or a similar type of equipment,
and/or free weights to promote strength and physical fitness, plus aerobic exercises.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 166  WELLNESS/GOLF  1 HR. (TC)
The student will be instructed in basic techniques to develop personal wellness
and fitness. Wellness portion of the course will be in the first three meetings.
Lecture Hours: 0 Laboratory Hours: 2

PHYED 167  WELLNESS/TENNIS  1 HR. (TC)
Students will be instructed in basic techniques to develop personal wellness and
fitness, in addition to fundamentals in singles and doubles tennis.
Lecture Hours: 0 Laboratory Hours: 2

PHYED 168  AEROBICS  1 HR. (TC)
This course will emphasize the utilization of various aerobic techniques to promote
physical fitness. The student will receive instruction in the basic concepts and
techniques of mixed impact aerobics, step, kickboxing and muscle toning activities
in order to develop personal wellness and fitness.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent
PHYED 169  ADVANCED AEROBICS 1 HR. (TC)
Prerequisite: PHYED 168 with a grade of "C" or better. This course will utilize various aerobic techniques to promote physical fitness. The student will receive advanced instruction in concepts and techniques of mixed impact aerobics, step, kickboxing, aerobic circuit, and muscle toning activities in order to develop an advanced level of wellness and fitness.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 171  SOCIAL DANCE 1 HR. (TC)
This course gives instruction in the distinguishing of the various dance tempos. Performance of waltz, foxtrot, polka and current novelty dances, as well as the techniques of leading and following will be included.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 172  FOLK DANCE 1 HR. (TC)
Instruction is given in the folk dances of various countries and cultures.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 174  SQUARE DANCE 1 HR. (TC)
This course gives instruction in square dance as an activity in the social setting as danced today throughout the United States.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 175  PRINCIPLES OF TRAINING 3 HRS. (TC)
This course will cover the proper fundamentals and techniques of different styles of fitness training. Techniques of free weight training, circuit training, cross training, and well being (yoga, Pilates, tai chi) will be emphasized. Use and care of cardiovascular equipment will also be covered.
Lecture Hours: 2 Laboratory Hours: 2 or equivalent

PHYED 176  EXERCISE TESTING, PRESCRIPTION, AND DESIGN 3 HRS. (TC)
Prerequisite: PHYED 175 with a grade of "C" or better. This course will instruct students on evaluating clients in the fitness profession. Students will learn the basics of exercise testing and how to evaluate individuals and groups. The students will then use their evaluations to safely and effectively design workout programs for the clients. Students will understand the wide diversity of the clients' physical abilities.
Lecture Hours: 3 Laboratory Hours: 1 or equivalent

PHYED 180  AEROBIC SUPER CIRCUIT FITNESS 1 HR. (TC)
This course will introduce the student to an exercise program built around a multi-station aerobic super circuit utilizing weights with multiple repetitions.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 181  AEROBIC SUPER CIRCUIT FITNESS 1 HR. (TC)
Prerequisite: PHYED 180 with a grade of "C" or better. This course is a continuation of PHYED 180 and is designed to further the student's understanding of the aerobic concept of fitness.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 182  AEROBIC SUPER CIRCUIT FITNESS 1 HR. (TC)
Prerequisite: PHYED 180 and PHYED 181 both with a grade of "C" or better. This course is a continuation of PHYED 181 and is designed to further the student's understanding of the aerobic concept of fitness and to better develop aerobic performance.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 183  AEROBIC SUPER CIRCUIT FITNESS 1 HR. (TC)
Prerequisite: PHYED 180, 181 and 182, all with a grade of "C" or better. This course is a continuation of PHYED 182 and is designed to further the student's understanding of aerobic fitness, to raise aerobic performance levels and to attain the benefits of regular exercise.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 190  SOCCER 1 HR. (TC)
This course is designed to provide students with an active understanding of the game of soccer. Students will learn the skills necessary to be able to play all of the positions on the field, as well as the technical terms associated with the game.
Lecture Hours: 0 Laboratory Hours: 2.5 or equivalent

PHYED 191  ADVANCED SOCCER 1 HR. (TC)
Prerequisite: PHYED 190 with a grade of "C" or better. This course is designed to further the students' knowledge of the game of soccer. High-level skills will be taught to the advanced student.
Lecture Hours: 0 Laboratory Hours: 2.5 or equivalent

PHYED 200  OFFICIATING OF WOMEN'S SPORT 1 HR. (TC)
Instruction is provided in officiating techniques for women's sports as designated by the NAGWS in basketball and volleyball.
Lecture Hours: 1 Laboratory Hours: 0

PHYED 203  OFFICIATING OF MEN'S SPORTS 1 HR. (TC)
This course provides instruction in officiating techniques for men's sports as designated by the IHSA in football, soccer, basketball, baseball and wrestling.
Lecture Hours: 0 Laboratory Hours: 2 or equivalent

PHYED 205  FITNESS AND WELLNESS 2 HRS. (TC)
This course covers basic fitness and wellness information, aiding the student in making lifestyle choices that can lead to increased health and wellness.
Lecture Hours: 2 Laboratory Hours: 0

PHYED 210  SPORT PSYCHOLOGY 3 HRS. (TC)
Prerequisite: PSY 110 with a grade of "C" or better or department approval. This course will provide an overview into the nature of psychology as it applies to sport and leisure activities. Topics that will be discussed include motivation, group dynamics, competition and cooperation, and performance enhancement.
Lecture Hours: 3 Laboratory Hours: 0

PHYED 236  SCIENTIFIC BASIS OF HUMAN MOVEMENT 3 HRS. (TC)
Prerequisite: PHYED 136 or department consent. This is a lecture and laboratory course designed for the student interested in obtaining a basic understanding of the physiological, psychological and sociological effects of exercise.
Lecture Hours: 2 Laboratory Hours: 1

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.
Lecture Hours: 0 Laboratory Hours: 6 or equivalent

PHYED 277  PHYSICAL EDUCATION TOPICS 1-3 HRS. (TC)
In this course, students will learn about specific topics that pertain to physical education, personal training, and sport management. Such topics could include special population education and training, traditional and new methods of training, management of facilities, and marketing techniques. This course is repeatable up to a maximum of three total credit hours.
Lecture Hours: 1 - 3 Laboratory Hours: 0

Physical Science

PHYSC 090  INTRODUCTION TO SCIENTIFIC LITERACY 3 HRS. (BEC)
This course will facilitate student development of science literacy through the implementation of student/faculty-generated science investigations, utilizing instruction across disciplines in collaboration with faculty members in all departments. This course is intended specifically for students to prepare for transfer level science courses.
Lecture Hours: 2 Laboratory Hours: 2

PHYSC 110  ENERGY AND ENVIRONMENT (P9 900L) 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.
Lecture Hours: 3 Laboratory Hours: 2

PHYSC 114  INTRODUCTION TO ASTRONOMY (P1 906L) 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 the Planetarium and Observatory.
Lecture Hours: 3 Laboratory Hours: 2

Physical Therapist Assistant

PHTA 100  PHYSICAL THERAPY ORIENTATION 0.5 HRS. (OC)
This course is designed to introduce students to the profession of physical therapy and the role of the physical therapist assistant. Basic physical therapy interventions, such as superficial heat and cold modalities, massage, gait training, and therapeutic exercises will be demonstrated and practiced. This course is repeatable one time.
Lecture Hours: 0.5 Laboratory Hours: 0

PHTA 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 an introduction to legal and ethical issues in physical therapy.
Lecture Hours: 1 Laboratory Hours: 0
Illinois Central College

Course Descriptions

PHTA 114 FUNDAMENTALS FOR THE PHYSICAL THERAPY ASSISTANT I
Prerequisite: Acceptance to Physical Therapist Assistant Program. This course provides a beginning study of basic physical therapy skills. The emphasis is on aerosol and sterile technique, vital signs, body mechanics, basic positioning and bed mobility skills, wheelchairing, including basic management and mobility, transfer techniques and introduction to the patient chart and SOAP note format.
Lecture Hours: 1 Laboratory Hours: 3

PHTA 115 FUNDAMENTALS FOR THE PHYSICAL THERAPY ASSISTANT II
Prerequisite: PHTA 114 and BIOL 140 with a "C" or better, or department approval. This course provides a continuation of the study of basic physical therapy skills. Emphasis is on the use of assistive devices/introduction to normal gait, techniques of draping and positioning for treatment, principles and practices related to use of selected modalities of therapeutic heat and cold, hydrotherapy, ultrasound, therapeutic massage techniques, documentation/SOAP note writing and orientation to clinical practice.
Lecture Hours: 2 Laboratory Hours: 6

PHTA 116 FUNCTIONAL ANATOMY
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.
Lecture Hours: 2 Laboratory Hours: 6

PHTA 118 FUNDAMENTALS FOR THE PHYSICAL THERAPY ASSISTANT III
Prerequisite: PHTA 112, PHTA 115, PHTA 116, and HLTH 121 all with a grade of "C" or better or department approval. This course is a continuation of the skills and knowledge acquired in PHTA 115 and focusing on orthopedic and arthritic conditions and 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.
Lecture Hours: 3 Laboratory Hours: 6

PHYS 104 PRE-TECHNICAL PHYSICS
Prerequisite: A grade of "C" or better in MAT 106 or equivalent. This is a course in introductory physics. It is intended to provide the student with an introduction to scientific units of measure, dimensional analysis, and basic applications of physical principles to the student's technical interests. The topics selected and discussed will be directed toward the student's field of study.
Lecture Hours: 3 Laboratory Hours: 2

PHYS 112 TECHNICAL PHYSICS I
Prerequisite: A grade of "C" or better in MATH 120 or equivalent. This course covers the basic concepts of mechanics (forces, velocity, acceleration, energy, power); heat and thermodynamics; simple machines; fluid mechanics; and mechanical properties of materials. Mathematics used in computations include algebra, trigonometry, and some basic programming.
Lecture Hours: 3 Laboratory Hours: 3

PHYS 120 GENERAL PHYSICS (P1900L)
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 courses, and as a foundations course for students strengthening their science background before enrolling in one of the regular physics sequences.
Lecture Hours: 3 Laboratory Hours: 2

PHYS 121 GENERAL PHYSICS
Prerequisite: PHTA 220 with a grade of "C" or better in MATH 130 or equivalent. This course covers the basic concepts of mechanics (forces, velocity, acceleration, energy, power); heat and thermodynamics; simple machines; fluid mechanics; and mechanical properties of materials. Mathematics used in computations include algebra, trigonometry, and some basic programming.
Lecture Hours: 3 Laboratory Hours: 3

PHYS 211 ENGINEERING PHYSICS: MECHANICS
Prerequisite: PHTA 220 with a grade of "C" or better. This course is a continuation of PHYS 120. The course includes the study of electricity, magnetism, wave motion, light and modern physics.
Lecture Hours: 4 Laboratory Hours: 3
<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Lecture Hours</th>
<th>Laboratory Hours</th>
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<tr>
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<td>3 HRS. (TC)</td>
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<td>3 HRS. (TC)</td>
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<td>PRNRS 111</td>
<td>PRACTICAL NURSING II</td>
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<td>PRNRS 112</td>
<td>PRACTICAL NURSING III</td>
<td>5 HRS. (OC)</td>
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<td>PRNRS 116</td>
<td>MEDICAL CORPSMAN TO PRACTICAL NURSE TRANSITION COURSE</td>
<td>6 HRS. (OC)</td>
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<td>PSY 110</td>
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<td>PSY 112</td>
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<td>PSYCHOLOGY OF GENDER DIFFERENCES</td>
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PSY 116  HUMAN POTENTIAL  1 HR. (TC)
This course is designed to help students experience a greater degree of control in their own life, the motivation to change that perceived need change, and discover what is truly important. Through positive group interaction each participant will increase awareness of self, gain insight into goals, values and motivations, and increase feelings of self-worth. This course is usually taught in eight two-hour sessions.
Lecture Hours: 1 Laboratory Hours: 0

PSY 117  CONFLICT RESOLUTION - LIFESTYLE PLANNING  1 HR. (TC)
Prerequisite: PSY 116 with a grade of "C" or better. This course emphasizes an advanced phase of the Human Potential experience, the identification and resolution of personal conflicts, and the clarification and affirmation of meaningful lifestyles.
Lecture Hours: 1 Laboratory Hours: 0

PSY 118  HUMAN SEXUALITY  3 HRS. (TC)
Prerequisite: PSY 110 with a grade of "C" or better or department approval. This course focuses on biological, psychological, and sociological correlates of human sexual behavior. Topics include: anatomy and physiology of the reproductive systems, sexually transmitted diseases, birth control, as well as cross-cultural and historical views, sexual variations, deviations, dysfunctions and gender identity. Some topics are somewhat sensitive and controversial.
Lecture Hours: 3 Laboratory Hours: 0

PSY 127  CRISIS MANAGEMENT  3 HRS. (OC)
This course emphasizes the identification and resolution of personal and professional conflicts. Cultural issues are considered. Three lecture hours per week for sixteen weeks.
Lecture Hours: 3 Laboratory Hours: 0

PSY 200  EDUCATIONAL PSYCHOLOGY  3 HRS. (TC)
Prerequisite: PSY 110 with a grade of "C" or better or department approval. This course focuses on 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.
Lecture Hours: 3 Laboratory Hours: 0

PSY 202  CHILD AND ADOLESCENT DEVELOPMENT (S6 903) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, and PSY 110. This course is a review of research in developmental psychology regarding the physical, perceptual, cognitive, and social development of children and adolescent.
Lecture Hours: 3 Laboratory Hours: 0

PSY 210  HUMAN SOCIAL BEHAVIOR (S6 900) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, and PSY 110 or SOC 110 with a grade of "C" or better. This course will emphasize empirically derived principles of human social behavior. A number of topics will be considered including: attitudes and attitude change; interpersonal attraction; social influence, conformity and obedience; person perception (impression formation); aggression and altruism; group processes and leadership; and prejudice and discrimination. The thrust of the course will be to deal with two questions: (1) What has psychological research shown us about human social behavior (in each of the topical areas mentioned above)? and (2) What are the implications of this research for our understanding, changing or resisting the change of ourselves, others and society.
Lecture Hours: 3 Laboratory Hours: 0

PSY 215  THE DYNAMICS OF ORGANIZATIONAL BEHAVIOR  3 HRS. (TR)
Prerequisite: PSY 110 with a grade of "C" or better. This course addresses the theory, research and practical applications of behavior in organizations. Specific topics pertain to understanding others at work, creating effective work groups, leadership and management, and effective organizations. Students have the option to apply for a leadership certificate upon completion of additional designated assignments.
Lecture Hours: 3 Laboratory Hours: 0

PSY 220  ADULTHOOD AND AGING (S6 905) 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.
Lecture Hours: 3 Laboratory Hours: 0

PSY 225  ABNORMAL PSYCHOLOGY  3 HRS. (TC)
Prerequisite: PSY 110 with a grade of "C" or better. This course emphasizes the identification and treatment of psychological disorders. Practical applications of the information will be stressed.
Lecture Hours: 3 Laboratory Hours: 0

PSY 250  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.
Lecture Hours: 3 Laboratory Hours: 0

Radiography

RADTK 100  EXPOSURE TO RADIOGRAPHY  .5 HRS. (OC)
This course is designed to introduce students to the medical imaging profession and the role of the radiologic technologist. Basic responsibilities of the radiologic technologist, such as patient interaction and procedures, basic radiation protection measures, and general image evaluation skills will be demonstrated and practiced.
Lecture Hours: 5 Laboratory Hours: 0

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 imaging procedures of the chest, abdomen, GI tract, upper extremity, and lower extremity are also presented, with emphasis on positioning and image analysis.
Lecture Hours: 6 Laboratory Hours: 0

RADTK 112  FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE ORIENTATION
Prerequisite: Concurrent enrollment in RADTK 110. This course provides participation in supervised clinical experience in a hospital medical imaging department.
Lecture Hours: 0 Laboratory Hours: 8

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.
Lecture Hours: 6 Laboratory Hours: 0

RADTK 121  FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE I
Prerequisite: Concurrent enrollment in RADTK 120. This course provides participation in supervised clinical experience in a hospital medical imaging department.
Lecture Hours: 0 Laboratory Hours: 24

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.
Lecture Hours: 1 Laboratory Hours: 0

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.
Lecture Hours: 3 Laboratory Hours: 0

RADTK 201  FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE II
Prerequisite: Concurrent enrollment in RADTK 200. This course provides participation in supervised clinical experience in a hospital medical imaging department.
Lecture Hours: 0 Laboratory Hours: 14

RADTK 210  RADIOGRAPHY II  6 HRS. (OC)
Prerequisite: RADTK 200 with a grade of "C" or better and RADTK 201 with a grade of "S". This course covers anatomy and terminology related to the performance of radiography of the cranium with emphasis on positioning and image analysis. The principles of radiation protection including the responsibilities of the radiographer for patients, personnel, and the public are presented. Radiation effects on molecules, cells, tissues, and the body as a whole are discussed.
Lecture Hours: 6 Laboratory Hours: 0
and diagnosis with its appearance on images in radiography, Computed Tomography. Basic concepts of pharmacology as well as techniques of venipuncture and administration of diagnostic contrast agents are also included.

Technology from the Illinois Emergency Management Agency (IEMA), Department of demic needs. A written plan for the independent-study project is developed with a faculty member by the student. Repeatable up to a maximum of five semester hours of credit. Three to fifteen laboratory hours per week or equivalent.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

RADTK 290 COMPUTED TOMOGRAPHY REVIEW 2 HRS. (OC)
Prerequisite: Graduate of an accredited imaging program and hold a current ARRT certification in Radiography, Radiation Therapy, or Nuclear Medicine (registration with NMTCB is also accepted); Department approval. This course is designed to provide entry level and experienced Computed Tomography (CT) students with a review of elementary and advanced principles and practices related to CT imaging. Advanced elements include, but are not limited to: patient care and safety, imaging procedures and physics and instrumentation. This course will also assist the student to prepare for the American Registry of Radiologic Technologists (ARRT) Computed Tomography Certification Examination.

Lecture Hours: 2 Laboratory Hours:

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.

Lecture Hours: 0 Laboratory Hours: 2

REFRIGERATION AND AIR CONDITIONING

REFRACT 110 INTRODUCTION TO REFRIGERATION 4 HRS. (OC)
Prerequisite: COMPASS Reading score of 70 and MAT 094 or higher, or an equivalent course with a grade of "C" or better, or department approval. This course studies the fundamentals of the refrigeration system. Emphasis is on operation of the compressor, condenser, evaporator, metering device, brazing refrigerant lines, system installation techniques, and refrigerant evacuation, recovery, and charging techniques. The course is also designed to prepare students to take the Environmental Protection Agency Exams (EPA-608).

Lecture Hours: 3 Laboratory Hours: 3

REFRACT 111 RESIDENTIAL AIR CONDITIONING 4 HRS. (OC)
Prerequisite: REACT 110 and REACT 118 with a grade of "C" or better. This course is a continuation of REACT 110 and covers more depth of the refrigeration system in residential air conditioning systems. It also covers basic cycle controls, refrigerant characteristics, piping, installation procedures, and accessories, troubleshooting and repairing residential air conditioning systems.

Lecture Hours: 3 Laboratory Hours: 3

REFRACT 118 ELECTRICITY AS IT APPLIES TO HVAC/R 4 HRS. (OC)
Prerequisite: REACT 110 with a grade of "C" or better or concurrent enrollment. This course studies the principles of electricity as it applies to air conditioning and refrigeration. Emphasis is on wiring diagram symbols, proper use of electric multi-meters, alternating current fundamentals, direct current fundamentals, and single-phase motor theory.

Lecture Hours: 3 Laboratory Hours: 3

REFRACT 119 SHEET METAL FOR HVAC/R 2 HRS. (OC)
Prerequisite: REACT 110 with a grade of "C" or better or concurrent enrollment. In this course, the student will learn the principles of sheet metal as it applies to air conditioning and refrigeration.

Lecture Hours: 1 Laboratory Hours: 3

REFRACT 120 RESIDENTIAL FURNACES 4 HRS. (OC)
Prerequisite: REACT 110 and REACT 118 with a grade of "C" or better. This course develops the skills needed for the basic installation of furnaces and to understand basic wiring diagrams and sequences of operation. This course also includes hands-on experience in installing, troubleshooting, and repairing of residential forced air furnaces.

Lecture Hours: 3 Laboratory Hours: 3
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, developing nursing interventions with focus on the physiological mode. Lecture Hours: 4 Laboratory Hours: 6

RNRS 111  PHARMACOLOGY FOR NURSES  2 HRS. (OC)
Prerequisite: Concurrently enrolled in RNRS 110 or RNRS 120 or department approval. This course is a study of current pharmacological concepts using a clinical approach. Principles of drug action in relation to the nurse's responsibilities in patient care are emphasized. Lecture Hours: 2 Laboratory Hours: 0

RNRS 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. Lecture Hours: 4 Laboratory Hours: 6

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 HESI PN to ADN Mobility Exam; valid Illinois Licensed Practical Nurse (LPN) license; currently employed or has practiced nursing for a minimum of 12 months within the last 3 years or department approval; CPR certified; one year of high school chemistry, or equivalent, or completion of CHEM 115 with grade “C” or better; must have completed required program and general education courses of BIOL 205, BIOL 206, BIOL 210, RNRS 150, RNRS 111, and RNRS 210 with a grade of “C” or better; must have completed required program and general education courses of PSY 110, SOC 110, FCS 110, ENGL 110, ENGL 111 or COMM 110, HLTH 121; Humanities: 3 semester hours with a grade of “C” or better; GPA 2.5. This course is designed to orient the licensed practical nurse for admission into the second year of the Associate Degree Nursing Program. Emphasis is placed on role changes from practical nurse to professional registered nurse, nursing process, and nursing care planning. Critical thinking skills and effective communication will also be discussed. Students will receive clinical experience working with medical-surgical patients. Lecture Hours: 1 Laboratory Hours: 3

RNRS 150  PRINCIPLES OF SAFE MEDICATION ADMINISTRATION  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 use of syringes to administer medications safely. Lecture Hours: 1 Laboratory Hours: 0.5

RNRS 175  NURSE REFRESHER INTERNSHIP  5 HRS. (VSC)
Prerequisite: An active professional registered nurse license from the state of Illinois, or referral from restoration process set forth by Illinois Department of Financial and Professional Regulation. This course focuses on the study of nursing practice to enhance knowledge, skills, and professional attitudes and behaviors needed to re-enter clinical nursing practice. Lecture Hours: 3 Laboratory Hours: 6

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. Lecture Hours: 1 Laboratory Hours: .5

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. Lecture Hours: 1 Laboratory Hours: 8
Course Descriptions

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 the respiratory care profession and the organization of the service in the acute hospital setting. Legal and ethical principles will be discussed. Work site skills and professionalism will be emphasized.
Lecture Hours: 0.5 Laboratory Hours: 1.5 or equivalent

RESP 121 FUNDAMENTALS OF RESPIRATORY CARE II 5 HRS. (OC)
Prerequisite: RESP 110, RESP 112, RESP 115, and RESP 122 with a grade of "C" or better. This course is a continuation of RESP 112. Included in this course are pulmonary function testing, blood gas analysis and interpretation, airway management, and basic mechanical ventilation concepts.
Lecture Hours: 4 Laboratory Hours: 3

RESP 122 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.
Lecture Hours: 2 Laboratory Hours: 0

RESP 123 PHARMACOLOGY FOR RESPIRATORY CARE 2 HRS. (OC)
Prerequisite: RESP 110, RESP 112, RESP 115, and RESP 122 with a grade of "C" or better or department approval. This course is an introduction to the study of drugs, their properties, and classifications. Emphasis will be placed on the types of medication used in respiratory care. Also included is microbiology and sterilization techniques for respiratory care.
Lecture Hours: 2 Laboratory Hours: 0

RESP 125 RESPIRATORY CARE PRACTICUM II 3 HRS. (OC)
Prerequisite: RESP 110, RESP 112, RESP 115, and RESP 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.
Lecture Hours: 0 Laboratory Hours: 16

RESP 127 CARDIOPULMONARY DISEASES 3 HRS. (OC)
Prerequisite: RESP 110, RESP 112, RESP 115, and RESP 122 with a grade of "C" or better or department approval. This course is an introduction to the study of disease with an emphasis on cardiopulmonary disorders: their etiology, pathophysiologic, diagnosis, and treatment.
Lecture Hours: 2 Laboratory Hours: 2

RESP 201 INTRODUCTION TO MECHANICAL VENTILATION 1 HR. (OC)
Prerequisite: RESP 121 and RESP 125 with a grade of "C" or better. This course is designed to introduce the respiratory therapist student to intermediate concepts of mechanical ventilation. Emphasis will be on theory and application, measurement of airway resistance, lung/thorax compliance, and guidelines for correct ventilator-patient interface.
Lecture Hours: 5 Laboratory Hours: 1.5

RESP 210 FUNDAMENTALS OF RESPIRATORY CARE III 5 HRS. (OC)
Prerequisite: RESP 121, RESP 123, and RESP 127 all with a grade of "C" or better. This course is a continuation of RESP 121 including pulmonary rehabilitation, invasive monitoring, non-invasive monitoring, special respiratory procedures, and advanced mechanical ventilation concepts.
Lecture Hours: 4 Laboratory Hours: 3

RESP 211 FUNDAMENTALS OF RESPIRATORY CARE IV 4 HRS. (OC)
Prerequisite: RESP 210 and RESP 220 both with a grade of "C" or better. This course is a continuation of advanced respiratory care procedures. Emphasis is placed on neonatal, pediatric, and critical respiratory care. Also included are advanced physiology and review for national boards.
Lecture Hours: 3 Laboratory Hours: 3

RESP 235 RESPIRATORY CARE PRACTICUM IV 3 HRS. (OC)
Prerequisite: RESP 210 and RESP 220 both with a grade of "C" or better. This course is a continuation of RESP 220 including clinical experience in the administration of respiratory care. Emphasis is on adult critical care procedures. Supervision will be provided by qualified respiratory personnel.
Lecture Hours: 0 Laboratory Hours: 16

RESP 240 RESPIRATORY THERAPY CAPSTONE 1 HR. (OC)
Prerequisite: RESP 210 and RESP 220 both with a grade of "C" or better or department approval. This course explores the matrices of the National Board for Respiratory Care advanced practice examinations. The review and analysis of the essential components of the respiratory care competencies are presented in a lecture/computer simulation format.
Lecture Hours: 5 Laboratory Hours: 1.5

RESP 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 special study related to individual academic needs. A written plan for the independent study project is developed with a faculty member. The written plan is submitted to the associate dean for approval.
Lecture Hours: 0 Laboratory Hours: 1-5

ILLOIS CENTRAL COLLEGE
and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit. Three to fifteen laboratory hours per week or equivalent. Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Social Science

SOC 111 AMERICANS AND THEIR CULTURE (S9 900) 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.
Lecture Hours: 3 Laboratory Hours: 0

SSC 115 LEADERSHIP AND COMMUNITY SERVICE 2 HRS. (TC)
This course concentrates on the social, political and economic dimensions of community issues such as under-education, poverty and ethnic diversity. Students will also examine the impact of various personal and community responses to these issues while performing community service.
Lecture Hours: 1 Laboratory Hours: 3 or equivalent

Social Work

SOCWK 220 INTRODUCTION TO SOCIAL WORK 3 HRS. (TC)
Prerequisite: SOC 110 with a grade of "C" or better or PSY 110 with a grade of "C" or better. This course is an introduction to generalist social work within the context of social welfare service and policies, including their historical origins, conceptual framework, and contemporary foci. It also examines social work values and code of ethics, practice methods, and research and policy issues, emphasizing the unique experiences of diverse and at-risk populations.
Lecture Hours: 3 Laboratory Hours: 0

Sociology

SOC 110 AN INTRODUCTION TO SOCIOLOGY (S7 900) 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.
Lecture Hours: 3 Laboratory Hours: 0

SOC 114 SOCIAL PROBLEMS (S7 901) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. Contemporary social problems are examined from the point of view of deviant behavior and social disorganization. The major problems covered include crime and delinquency, drugs and alcohol, sexual deviance, prejudice and discrimination, poverty, and mental disorders.
Lecture Hours: 3 Laboratory Hours: 0

SOC 120 MARRIAGE AND THE FAMILY (S7 902) 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 strength.
Lecture Hours: 3 Laboratory Hours: 0

SOC 210 INTRODUCTION TO CRIMINOLOGY (CRJ 912) 3 HRS. (TC)
Prerequisite: SOC 110 with a grade of "C" or better or department approval. An introduction to the multi-disciplinary study and analysis of the nature of causes, and control of crime; measurement of crime; and the interactive roles of the system, victim, and offender.
Lecture Hours: 3 Laboratory Hours: 0

SOC 213 INTRODUCTION TO CULTURAL ANTHROPOLOGY (S1 901N) 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, economic, social structure, personality development and religion.
Lecture Hours: 3 Laboratory Hours: 0

SOC 218 INTRODUCTION TO SOCIAL PSYCHOLOGY (S9 900) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, and SOC 110 or PSY 110 either with a grade of "C" or better. This course employs the social psychological perspective to examine the behavior of the individual in society. Major emphasis is given to psychological and sociological theory and to the scientific methods employed by the social psychologist as scientist. Focal points include: self-concept, perception, communication, attraction, and socialization.
Lecture Hours: 3 Laboratory Hours: 0

SOC 219 THE SOCIOLOGY OF RACE AND ETHNICITY IN AMERICA (S7 903D) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, and SOC 110 with a grade of "C" or better. This course uses the sociological approach to explore the relationships among the various racial and ethnic groups which constitute American society, including the structure of power distribution and inequality, process of adaptation, related movements for social change, and current issues of pluralism.
Lecture Hours: 3 Laboratory Hours: 0

SOC 221 DEATH AND DYING 3 HRS. (TC)
This course considers death and the dying process and grief. Students have the opportunity to read and discuss issues relevant to the major topics.
Lecture Hours: 3 Laboratory Hours: 0

Spanish

SPAN 105 CONVERSATIONAL SPANISH AND CULTURE 3 HRS. (OC)
This course will train participants to communicate effectively with Spanish-speaking personnel in horticultural and agricultural situations, and to learn to appreciate their culture and heritage. Skills will include informal conversation, identifying equipment, giving and taking directions, and discussion of work related issues.
Lecture Hours: 3 Laboratory Hours: 0

SPAN 110 ELEMENTARY SPANISH I 4 HRS. (TC)
Prerequisite: Appropriate score on placement test or "C" or better in ENGL 095 or "C" or better in ENGL 099, or department approval. This course is designed to develop through the natural approach the four language skills in Spanish: listening, speaking, reading, and writing. The course is conducted primarily in Spanish.
Lecture Hours: 4 Laboratory Hours: 0

SPAN 111 ELEMENTARY SPANISH II 4 HRS. (TC)
Prerequisite: SPAN 110 with a grade of "C" or better or equivalent. This course is a continuation of SPAN 110 with emphasis on listening, speaking, reading, and writing. The course is conducted primarily in Spanish.
Lecture Hours: 4 Laboratory Hours: 0

Spanish General Education Development

SPGED 090 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.
Lecture Hours: 1 Laboratory Hours: 0

SPGED 091 SPANISH GED REVIEW II 2 HRS. (ASE)
Prerequisite: Reading level 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College or department approval. This course is designed to prepare the student for the Spanish GED Test in the areas of literature, writing, social studies, science, and mathematics. This course is repeatable three times.
Lecture Hours: 2 Laboratory Hours: 0

SPGED 092 SPANISH GED REVIEW III 3 HRS. (ASE)
Prerequisite: Reading level 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College or department approval. This course is designed to prepare the student for the Spanish GED Test in the areas of literature, writing, social studies, science, and mathematics. This course is repeatable three times.
Lecture Hours: 3 Laboratory Hours: 0
Supply Chain Management

**SCM 111 CONTEMPORARY LOGISTICS** 3 HRS. (OC)
This course focuses on the complex and dynamic subject of logistics and its role within supply chain management, including a detailed examination of many elements of the logistics systems. The course also examines methods of analyzing, implementing, and controlling logistics as used by a firm and those firms with which it is linked.
Lecture Hours: 3 Laboratory Hours: 0

**SCM 220 BASICS OF SUPPLY CHAIN MANAGEMENT** 2 HRS. (OC)
This course is an introduction to production and inventory management personnel and certified in production and inventory management (CPIM) candidates. It provides basic definitions and concepts for planning and controlling the flow of materials into, through, and out of an organization. The course addresses types of manufacturing systems, forecasting, master planning, material requirements planning, capacity management, production activity control, purchasing, inventory management, distribution, quality management, and Just-in-Time (JIT) manufacturing.
Lecture Hours: 2 Laboratory Hours: 0

**SCM 231 QUALITY MANAGEMENT** 2 HRS. (OC)
Prerequisite: SCM 220 with a grade of "C" or better or department approval. This course focuses on quality management, control and improvement. It explains the importance of the management structure as well as the statistical and analytical tools needed to implement a successful quality management system. Discussion will include execution of quality initiatives and continuous improvement plans using tools such as Six Sigma methodologies.
Lecture Hours: 2 Laboratory Hours: 0

**SCM 232 OPERATIONS MANAGEMENT** 3 HRS. (OC)
Prerequisite: SCM 220 with a grade of "C" or better or department approval. This course focuses on material and capacity and scheduling and planning. It includes a detailed explanation of material requirements planning and introduces material-dominated scheduling. It explains capacity requirements planning in detail and introduces processor-dominated scheduling.
Lecture Hours: 3 Laboratory Hours: 0

**SCM 233 EXECUTION AND CONTROL OF OPERATIONS** 2 HRS. (OC)
Prerequisite: SCM 220 with a grade of "C" or better or department approval. This course focuses on three main areas: prioritizing and sequencing work; executing work plans, implementing controls, and reporting activity results; and evaluating and providing feedback on performance. It explains techniques for scheduling and controlling production and process operations and addresses the execution of quality initiatives and continuous improvement plans as well as the control and handling of inventories.
Lecture Hours: 2 Laboratory Hours: 0

**SCM 234 STRATEGIC PLANNING** 2 HRS. (OC)
Prerequisite: SCM 220, 231, 232, and 233 all with a grade of "C" or better or department approval. This course explores the relationship of existing and emerging processes and technologies to manufacturing strategy and supply chain-related functions. The course addresses three main topics: aligning resources with the strategic plan, configuring and integrating operating processes to support the strategic plan, and implementing change.
Lecture Hours: 2 Laboratory Hours: 0

**SCM 245 INTRODUCTION TO ENTERPRISE RESOURCE PLANNING (ERP) SYSTEMS**
This course introduces integrated business processes with Enterprise Resource Planning systems. The course is intended to explain how fundamental business processes including Accounting, Procurement, Fulfillment, Production, Inventory and Warehouse Management, and Material Planning interact with an ERP system like SAP.
Lecture Hours: 3 Laboratory Hours: 0

Surgical Technology

**SURTK 100 ORIENTATION TO SURGICAL TECHNOLOGY** .5 HRS. (OC)
This course is designed to introduce students to the profession of surgical technology. Concepts include the basic principles and techniques of surgical technology, hand-washing, scrubbing, gowning, gloving as well as preparing a sterile field.
Lecture Hours: .5 Laboratory Hours: 0

**SURTK 120 INTRODUCTION TO SURGICAL TECHNOLOGY** 4 HRS. (OC)
Prerequisite: Acceptance to the surgical technology curriculum and concurrently enrolled in BIOL 205 or completion with a grade of "C" or better 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.
Lecture Hours: 3 Laboratory Hours: 2

**SURTK 121 FUNDAMENTS OF SURGICAL TECHNOLOGY I** 7 HRS. (OC)
Prerequisite: Completion of SURTK 120 with a grade of "C" or better and completion of BIOL 205 with a grade of "C" or better and completion of BIOL 206 with a "C" or better or concurrent enrollment in BIOL 206 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: laparotomy, hernia, breast, veins, and rectal, obstetrical and gynecological surgical procedures.
Lecture Hours: 5 Laboratory Hours: 14

**SURTK 122 FUNDAMENTS OF SURGICAL TECHNOLOGY II** 6 HRS. (OC)
Prerequisite: Completion of SURTK 121 with a grade of "C" or better and completion of BIOL 205 and 206 with a grade of "C" or better and completion of BIOL 220 with a grade of "C" or better or concurrent enrollment in BIOL 220 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. Specific areas of study include: genitourinary, orthopedics, and endocrine system.
Lecture Hours: 4.5 Laboratory Hours: 12 or equivalent

**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. It will deal with all aspects of pharmacology: drug sources, forms, nomenclature, route of administration, classifications, pharmacokinetics, pharmacodynamics, drug handling techniques, identification, supplies needed, transfer of medications to the sterile field, commonly used medications, general anesthesia, nerve conduction blocks, history, and team member roles during anesthesia.
Lecture Hours: 1 Laboratory Hours: 0

**SURTK 210 FUNDAMENTS OF SURGICAL TECHNOLOGY III** 8 HRS. (OC)
Prerequisite: Completion of SURTK 122 and BIOL 205 and BIOL 206 and BIOL 220 with a grade of "C" or better and current certification in CPR. This course is a continuation of Fundamentals of Surgical Technology II with emphasis on acquiring skills of scrubbing and assisting the circulator during surgical procedures in the operating room and delivery room. Specific areas of study include: neurosurgery, thoracic, cardiovascular, burns, plastics, oral, ophthalmic, and ototorhinolaryngology.
Lecture Hours: 5 Laboratory Hours: 24 or equivalent

**SURTK 211 ADVANCED FUNDAMENTS OF SURGICAL TECHNOLOGY** 7 HRS. (OC)
Prerequisite: Completion of SURTK 210 with a grade of "C" or better and current certification in CPR. This course outlines advanced techniques in surgical technology and is a continuation of the fundamentals of surgical technology series. This course will focus on suturing and knot tying techniques, professionalism and interpersonal skills, continuing education, and resume writing.
Lecture Hours: 3 Laboratory Hours: 32

**SURTK 250 SURGICAL TECHNOLOGY BRIDGE** 4 HRS. (OC)
Prerequisite: Department approval. This course outlines advanced techniques in surgical technology and is a continuation of the fundamentals of surgical technology series. This course is a bridge between the previous surgical technology certificate and the Associate in Applied Science Surgical Technology degree. This course will focus on suturing and knot tying techniques, professionalism and interpersonal skills. This course also includes the study of human diseases and mechanisms that govern them. It will address etiology, clinical presentation and the appropriate surgical intervention that is related to that specific disease process.
Lecture Hours: 4 Laboratory Hours: 0

**SURTK 255 INDEPENDENT STUDY** 1-5 HR. (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 periodical direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15

Theatre

**THTRE 110 THEATRE APPRECIATION (F1 907)** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 61 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.
Lecture Hours: 3 Laboratory Hours: 0

THTRE 111 MODERN DRAMA (F1 907) 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.
Lecture Hours: 3 Laboratory Hours: 0

THTRE 113 INTRODUCTION TO TECHNICAL THEATRE (TA 911) 3 HRS. (TC)
This course introduces safety procedures and basic techniques of scenery and property construction, tool use, scene painting, basic lighting techniques, and backstage organization. Through the use of laboratory hours, students will have hands-on experience in conjunction with departmental productions.
Lecture Hours: 3 Laboratory Hours: 1

THTRE 114 FUNDAMENTALS OF THEATRICAL DESIGN 3 HRS. (TC)
Prerequisite: THTRE 113 with a grade of "C" or better or department approval. This course will provide a hands-on introduction to design elements, the design process, and the ability to communicate the progression of a theatrical design from concept to realization. Some areas covered are: script analysis, creating a vision statement, basic drafting, renderings, and model making.
Lecture Hours: 3 Laboratory Hours: 1

THTRE 115 STAGE MAKE-UP 2 HRS. (TC)
This course is hands-on introduction to the basic knowledge, techniques, and application of make-up as it applies to theatre and film. Course content will incorporate color analysis and design and application techniques for creating corrective, straight, old age, fantasy, trauma, and special effects make-up for the stage.
Lecture Hours: 1 Laboratory Hours: 2

THTRE 118 THEATRE PRACTICUM 1 HR. (TC)
This course offers the student practical experience in on-stage and off-stage theatrical production techniques. The student arranges a minimum thirty-two hours of hands-on experience workshop at times of student's convenience.
Lecture Hours: 0 Laboratory Hours: 32

THTRE 119 THEATRE PRACTICUM 1 HR. (TC)
This course offers the student practical experience in on-stage and off-stage theatrical production techniques. The student arranges a minimum thirty-two hours of hands-on experience workshop at times of student's convenience.
Lecture Hours: 0 Laboratory Hours: 32

THTRE 122 ACTING I (TA 814) 3 HRS. (TC)
This is a performance based fundamentals of acting course. The course covers the actors’ use of concentration and observation, the importance of acting choices, basics of character development and script analysis. Course topics are introduced through acting exercises, improvisations, and short scene study. A variety of acting techniques such as Stanislavski, Meisner, and Cohen will be used as a basis to help the actor acquire the tools needed to create believable characters.
Lecture Hours: 3 Laboratory Hours: 1

THTRE 123 DIRECTING I 3 HRS. (TC)
This is an introductory course to acquire the student with the study and practice of the fundamentals of directing through director terminology, brief historical development and importance of the director. The student will acquire practical knowledge and use of the director's tools, beginning script analysis, use of stage space and work with actors in a laboratory setting.
Lecture Hours: 3 Laboratory Hours: 0

THTRE 210 INTRODUCTION TO COSTUMING 3 HRS. (TC)
This introductory course focuses on planning and executing costumes for theatrical production including experience in conjunction with departmental presentations. The student learns the use of costume plots, measurements for fittings, procedures for construction, and standard works for research in historical costume periods and folk costume.
Lecture Hours: 3 Laboratory Hours: 0

THTRE 211 THEATRE INTERNSHIP 3 HRS. (TC)
Prerequisite: Department approval. This course is designed to give the student/Intern experience in their chosen field of interest under the direct supervision of a professional (Producer, Director, Designer, Stage Manager) while engaged in on-the-job training. The student/Intern will also do individual research and study on approved area of interest.
Lecture Hours: 1 Laboratory Hours: 10

THTRE 217 CREATIVE DRAMATICS AND CHILDREN'S THEATRE 3 HRS. (TC)
This course links Creative Dramatics and Children's Theatre. The focus of the first portion is leading children to develop their imaginations through the use of dramatic activities as a learning tool — in any classroom or as an end in itself. The second division, Children's Theatre, involves the analysis of playscripts and the techniques of directing, acting, and designing for the child audience.
Lecture Hours: 3 Laboratory Hours: 0

THTRE 218 THEATRE PRACTICUM 1 HR. (TC)
This course offers the student practical experience in on-stage and off-stage theatrical production techniques. The student arranges a minimum thirty-two hours of hands-on experience workshop at times of student's convenience. THTRE 218 and THTRE 219 may be taken a maximum of three times each.
Lecture Hours: 0 Laboratory Hours: 32

THTRE 219 THEATRE PRACTICUM 1 HR. (TC)
This course offers the student practical experience in on-stage and off-stage theatrical production techniques. The student arranges a minimum thirty-two hours of hands-on experience workshop at times of student's convenience. THTRE 218 and THTRE 219 may be taken a maximum of three times each.
Lecture Hours: 0 Laboratory Hours: 2

THTRE 220 SUMMER THEATRE WORKSHOP 3 HRS. (TC)
Prerequisite: Department approval. This course is for all residents of Illinois Central College District 514 who wish to participate in a summer theatre workshop. They are encouraged to enroll in this exciting venture. High school juniors and seniors may also enroll in this course. Students will work with several theatre instructors in the preparation, rehearsing, staging, and actual presentation of a major production in Illinois Central College Performing Arts Center.
Lecture Hours: 3 Laboratory Hours: 0

THTRE 221 STAGE MOVEMENT 3 HRS. (TC)
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 duo, trio, and ensemble exercises. Completion of this course will provide a basic knowledge of theatrical and dramatic stage movement.
Lecture Hours: 0 Laboratory Hours: 6

THTRE 222 ACTING II 3 HRS. (TC)
Prerequisite: THTRE 122 with a grade of "C" or better or department approval. This is a performance course and is a continuation of Acting I. In this course the student-actor will concentrate on the extended development of character and the further application of learned techniques. The student will move from exercises and improvisation to the use of the script and formal application of acting techniques through scene work.
Lecture Hours: 3 Laboratory Hours: 1

THTRE 223 DIRECTING II 3 HRS. (TC)
Prerequisite: THTRE 123 with a grade of "C" or better or department approval. This course is a continuation of Directing I. In this course the student-director will further development the director's tools, director/actor communication, and the understanding and use of acting tools and techniques necessary to the rehearsal and performance process. The student will display knowledge and ability to use techniques through class exercises, text analysis, and extended scene work.
Lecture Hours: 3 Laboratory Hours: 1

Typing Skills

TYPE 120 KEYBOARD/WORD PROCESSING I 3 HRS. (OC)
This course will provide instruction in touch typing and basic commands using current word processing software. This course is repeatable up to three times.
Lecture Hours: 2 Laboratory Hours: 2

TYPE 121 KEYBOARDING/WORD PROCESSING II 3 HRS. (OC)
Prerequisite: TYPE 120 with a grade of "C" or higher or touch typing ability at a minimum of 20 correct words a minute. This course will provide keyboard reinforcement and instruction in basic word processing formatting commands for preparing tables, correspondence, and reports. This course is repeatable up to three times.
Lecture Hours: 2 Laboratory Hours: 2

TYPE 130 TYPING SPEED ENROLLMENT COURSE 1 HR. (OC)
Prerequisite: Credit or equivalency in TYPE 121. This course is for all students wanting to register in a typing speed development course (TYPE 140, 141, 142, 143, 144, or 145). The student should enroll in this master course number regardless of speed goal desired. Placement into a specific speed course number will be by the instructor after classes begin and students are tested to confirm speed ability.
Lecture Hours: 0 Laboratory Hours: 0

TYPE 140 TYPING SPEED DEVELOPMENT TO 40 NWPM 1 HR. (OC)
Prerequisite: Touch typing ability and typing speed of 30 wpm. This course will provide students with help in analyzing their typing weaknesses to develop proper techniques and increase speed to 40 NWPM.
Lecture Hours: .5 Laboratory Hours: 1
Welding Technology

WLDTR 111 WELDING BLUEPRINT READING 3 HRS. (OC)
This is a course designed for welding blueprint reading for related job improvement. Drawings studied include views, sectional views, auxiliary views, dimensioning, fasteners, material symbols, and working drawings. Problems which will enable students to apply information concerning commonly accepted welding standards will be assigned. Lecture Hours: 3 Laboratory Hours: 0

WLDTR 112 WELDING THEORY I 1 HR. (OC)
Prerequisite: Concurrent enrollment in WLDTR 121 or departmental approval. This course is designed to acquaint the student with materials and equipment used in oxyacetylene and stick welding, heat effects and how to counteract them, safety hazards and their avoidance, the theory of oxyacetylene and stick welding, and techniques practiced in corresponding laboratory courses WLDTR 115 and WLDTR 121. Lecture Hours: 1 Laboratory Hours: 0

WLDTR 118 MAINTENANCE WELDING 2 HRS. (OC)
Prerequisite: WLDTR 121 and WLDTR 225 both with a grade of “C” or better or departmental approval. This course is designed to instruct the student in the theory and practice of maintenance welding. Subjects discussed include equipment selection, filler metal selection, metallurgy, preventative maintenance techniques to increase mean time between failures, and failure analysis. Laboratory practice will include instruction in stick, oxyacetylene, metal inert gas welding, and low temperature joining. Lecture Hours: 1 Laboratory Hours: 3

WLDTR 119 WELDING PROCESSES 2 HRS. (OC)
This course emphasizes welding procedures, techniques, and equipment currently used in industry. Consideration is given to welding equipment design and implementation, shielded metal arc welding, metal inert gas welding, tungsten inert gas welding, resistance welding, hard-surfacing, metallizing, air arc gouging, automated welding and cutting, robot welding, and weldment design. Lecture Hours: 1 Laboratory Hours: 3

WLDTR 120 WELDING 2 HRS. (OC)
This course is designed to acquaint the student with common welding techniques and equipment currently used in both trades and industry. Consideration is given to welding processes and equipment in the various positions, hard surfacing, brazing, cutting, electrode selection, and metal identification. The student is expected to develop basic skills in general welding. Lecture Hours: 1 Laboratory Hours: 3

WLDTR 121 STICK WELDING I 1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in WLDTR 112 or departmental 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 metal arc welding processes in the flat position to meet commercial quality standards. Lecture Hours: 0 Laboratory Hours: 3

WLDTR 122 STICK WELDING II 1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in WLDTR 121 or departmental approval. This course is a continuation of WLDTR 121. The student will develop proficiency in the safe operation of the manual shielded metal arc welding process in horizontal position to meet commercial quality standards. Lecture Hours: 0 Laboratory Hours: 3

WLDTR 123 STICK WELDING III 1 HR. (OC)
Prerequisite: WLDTR 122 with a “C” or better or departmental approval. This course is a continuation of WLDTR 122. The student will develop proficiency in the safe operation of the manual shielded metal arc welding process in vertical position to meet commercial quality standards. Lecture Hours: 0 Laboratory Hours: 3

WLDTR 124 STICK WELDING IV 1 HR. (OC)
Prerequisite: WLDTR 122 with a “C” or better or departmental approval. This course is a continuation of WLDTR 123 Stick Welding III. The student will develop proficiency in the safe operation of the manual shielded metal arc welding process in overhead position to meet commercial quality standards. Lecture Hours: 0 Laboratory Hours: 3

WLDTR 150 WELD CERTIFICATION PREPARATION AND TESTING 1-5 HRS. (OC)
Prerequisite: Department approval. This course introduces students to specific weld certification requirements and the practice necessary to complete the weld test. Lecture and laboratory hours will vary depending upon the course content and the credit assigned to the course. This course is repeatable up to a maximum of five semester hours of credit. Lecture Hours: 5 - 3 Laboratory Hours: 2 - 9 or equivalent

WLDTR 210 WELDING EQUIPMENT MAINTENANCE AND OPERATION 3 HRS. (OC)
Prerequisite: WLDTR 112, 212, 121, and 225 with a grade of “C” or better or departmental approval. This course is designed to broaden the knowledge and skill of the experienced production welder by developing proficiency in the safe operation of the semi-automatic arc welding processes. Extensive practice in continuous wire gas shielded arc welding, 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. Lecture Hours: 0 Laboratory Hours: 3

WLDTR 225 SEMI-AUTOMATIC ARC WELDING 1 HR. (OC)
Prerequisite: Concurrent enrollment in WLDTR 212 or departmental approval. This course is designed to broaden the knowledge and skill of the student in the theory and practice of semi-automatic arc welding processes. Extensive practice in continuous wire gas shielded arc welding, flux cored gas shielded and unshielded arc welding, arc cutting and surfacing to meet commercial quality standards for welding of structural grade steels will be included in the course. Lecture Hours: 0 Laboratory Hours: 3

WLDTR 226 GAS TUNGSTEN ARC WELDING 1 HR. (OC)
Prerequisite: WLDTR 121 with a grade of “C” or better or departmental approval. This course is designed to broaden the knowledge and skill of the student in the theory and practice of 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. Lecture Hours: 0 Laboratory Hours: 3

WLDTR 227 ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW) 1 HR. (OC)
Prerequisite: WLDTR 225 with a grade of “C” or better and WLDTR 111 with a grade of “C” or better or departmental approval. This course is designed to advance the knowledge and skill of the experienced production welder by developing proficiency in the safe operation of the semi-automatic arc welding processes. A review of wire gas shielded arc welding, flux cored gas shielded and unshielded welding, and arc cutting and surfacing to meet commercial quality standards for welding of structural grade steels will be included in the course. Lecture Hours: 0 Laboratory Hours: 3

WLDTR 230 WELD TESTING 3 HRS. (OC)
Prerequisite: WLDTR 111, WLDTR 112, WLDTR 121, WLDTR 225 with a grade of “C” or better, or department consent. This course is a survey of welding inspection methods and technology, welding metallurgy, and welding codes. Included in the course are visual, destructive, and non-destructive inspection and testing techniques commonly used in industry to assure quality in welded products. The course includes an overview of the inspector’s responsibilities, ethical concerns, and
relationships with welding personnel. Laboratory assignments require the use of welding processes to construct test samples, inspection and testing of welded samples, research, and report writing.

Lecture Hours: 2 Laboratory Hours: 3

WLDTR 240 ADVANCED WELDING 3 HRS. (OC)
Prerequisite: MECTK 138, MAT 106, WLDTR 212, 225, 226, and 230 all with a grade of “C” or better, or department approval. This course provides the student with an opportunity to utilize the skill and knowledge gained through the Welding Technology program to solve industrial welding problems, assess weld quality, and improve manufacturing systems employing welding. It is a combination of lecture, team projects, and laboratory assignments simulating the job requirements of a welding technician.

Lecture Hours: 2 Laboratory Hours: 3

WLDTR 255 INDEPENDENT STUDY 1-5 HR. (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 dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Word Processing

WP 122 KEYBOARD/WORD PROCESSING III 4 HRS. (OC)
Prerequisite: TYPE 121 with a grade of “C” or better. This course is a continuation of the word processing commands and formatting learned in TYPE 121. The course utilizes word processing commands such as merging, styles, columns, and tables with math calculations as they are used to prepare business documents. This course is repeatable up to three times.

Lecture Hours: 3 Laboratory Hours: 2

WP 152 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.

Lecture Hours: 1 Laboratory Hours: 0

WP 181 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.

Lecture Hours: 0 Laboratory Hours: 1

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.

Lecture Hours: 2 Laboratory Hours: 2

Work Skills

WRKSK 092 JOB PREPAREDNESS I 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.

Lecture Hours: 2 Laboratory Hours: 0

WRKSK 093 JOB PREPAREDNESS II 2 HRS. (ASE)
Prerequisite: Reading level of 9.0-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course assists students in developing and/or updating job readiness skills.

Lecture Hours: 2 Laboratory Hours: 0

Non Credit Classes

CRAFT C13 DRAWING AND PAINTING I 0 HRS. (NC)
Eight two and one-half hour sessions.

Lecture Hours: 1 Laboratory Hours: 0

CRAFT C15 CERAMICS 0 HRS. (NC)
Eight two-hour sessions.

Lecture Hours: 1 Laboratory Hours: 0

CRAFT C16 OIL PAINTING 0 HRS. (NC)
Eight two-hour sessions.

Lecture Hours: 1 Laboratory Hours: 0

CRAFT C41 CERAMICS PRACTICUM 0 HRS. (NC)
Prerequisite: ART 204 and 205. Eight two and one-half hour sessions.

Lecture Hours: 0 Laboratory Hours: 1

CRAFT C42 SCULPTURE PRACTICUM 0 HRS. (NC)
Prerequisite: ART 112 and 206. Eight two and one-half hour sessions.

Lecture Hours: 0 Laboratory Hours: 1

CRAFT C43 PAINTING PRACTICUM 0 HRS. (NC)
Prerequisite: ART 200 and 201. Three laboratory hours per week for eight weeks.

Lecture Hours: 0 Laboratory Hours: 1.5

CRAFT C44 DRAWING PRACTICUM 0 HRS. (NC)
Prerequisite: ART 006 and 007. Eight two and one-half hour sessions or equivalent.

Lecture Hours: 0 Laboratory Hours: 1.5 or equivalent

REC C05 SPORTS ACTIVITIES AND FITNESS 0 HRS. (NC)
Participation in various activities designed to promote physical fitness. Activities include volleyball, badminton, and other conditioning activities and games.

Lecture Hours: 1 Laboratory Hours: 0

REC C06 TENNIS 0 HRS. (NC)
This course includes instruction of the rules, strategy, and scoring and etiquette of the game. Students are introduced to the fundamentals of the basic strokes and singles and doubles competition. Eight two-hour sessions or equivalent.

Lecture Hours: 1 Laboratory Hours: 2 or equivalent

REC C26 AEROBIC EXERCISE 0 HRS. (NC)
This physical fitness class is designed to improve the cardiovascular system as well as body muscle flexibility. Eight two-hour sessions or equivalent.

Lecture Hours: 0 Laboratory Hours: 1

REC C27 ADVANCED AEROBIC FITNESS 0 HRS. (NC)
Prerequisite: REC C26. This course is designed for students seeking a more advanced fitness program. Students begin at their own pace, then increase along with the help of the instructor to improve cardiovascular (heart and lungs) muscular strength, flexibility, coordination, body composition and balance. Eight two-hour sessions.

Lecture Hours: 1 Laboratory Hours: 0

REC C36 BALLET PRACTICUM 0 HRS. (NC)
Prerequisite: DANCE 120 with a “C” or better. This course is specifically structured to meet the needs of those ballet students who have (1) completed both DANCE 110 and 120, and (2) desire to continue with ballet lessons, but are unable to either enroll in a day section of DANCE 210 or successfully audition for the Tazwood Dance Company. Sixteen two-hour sessions or equivalent.

Lecture Hours: 2 Laboratory Hours: 0

REC C37 PRAIRIE WIND ENSEMBLE 0 HRS. (NC)
Prerequisite: Two semesters of MUS 131 and two semesters of MUS 231. This course is available to all students who have successfully completed four semesters in the Concert Band (MUS 131 and 231). Sixteen three-hour sessions and performances as may be scheduled.

Lecture Hours: 3 Laboratory Hours: 0

REC C50 RACQUETBALL 0 HRS. (NC)
This course provides progressive development of skill in arm strokes, footwork, serve, volley, kill shots, rules and general strategy, and types of competition.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent

REC C51 SOFTBALL 0 HRS. (NC)
This course stresses individual skills in batting, bunting, base running, sliding, fielding, throwing, pitching, infield skills, and outfield skills. The individual is introduced to basic concepts of offensive and defensive team play.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent

REC C52 BOWLING 0 HRS. (NC)
This course gives instruction in footwork and the fundamental movement in delivery. Rules, terminology, scoring and etiquette are also covered.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent

REC C53 GOLF 0 HRS. (NC)
This course stresses the techniques of driving, fairway shots, pitching and putting. The student is introduced to general rules and match and stroke play.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent
This course provides the student with the basic techniques of driving, fairway shots, pitching and putting. The class receives instruction on shot selection that would be utilized in actual competition.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent

This course gives instruction to beginners and low intermediates who need additional practice in shallow water. The five basic strokes and beginning diving are taught.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent

This course gives instruction in the front and back crawl, elementary back-stroke, side-stroke, and breast-stroke for improved efficiency. Diving and rescue skills are also included.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent

This course provides concepts and application of exercise and nutrition toward total fitness.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent

This course involves using calisthenics and weight training to promote physical fitness.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent

In this course, the student will learn concepts and application of selectized resistance equipment and/or free weights to promote strength and physical fitness plus aerobic exercise.

Lecture Hours: 0 Laboratory Hours: 1 or equivalent

This ensemble is open to persons with previous choral experience. Membership is based on audition.

Lecture Hours: 0 Laboratory Hours: 2 or equivalent

This ensemble is for students with previous choral experience and interest in female barbershop style singing. Membership is through audition.

Lecture Hours: 0 Laboratory Hours: 2 or equivalent

Prerequisite: Two semesters of MUS 134 and two semesters of MUS 234. This course is for all students who are interested in singing, and who have successfully completed four semesters in the Concert Choir (MUS 134 and 234). Sixteen three-hour sessions and performances as may be scheduled.

Lecture Hours: 0 Laboratory Hours: 3

Prerequisite: Department approval and two semesters each of MUS 130 and 230. This course allows voice majors to enroll in this ensemble which is open to a limited number of auditioned singers. Three laboratory hours per week for eight weeks.

Lecture Hours: 0 Laboratory Hours: 1.5

Prerequisite: PHYED 183. This course is a continuation of PHYED 183 and is designed to further the student's understanding of total physical fitness.

Lecture Hours: 0 Laboratory Hours: 2

This course will emphasize the utilization of various aerobic techniques to promote physical fitness. The student will receive instruction in the basic concepts and techniques of mixed impact aerobics, step, kickboxing and muscle toning activities in order to develop personal wellness and fitness.

Lecture Hours: 0 Laboratory Hours: 2

Prerequisite: DANCE 131 with a grade of "C" or better. This course is designed to allow advanced dance students who have completed DANCE 130 and 131 the opportunity to continue advanced training. Students may enroll in Jazz Dance Practicum, REC C77, any number of times.

Lecture Hours: 1 Laboratory Hours: 2

Prerequisite: DANCE 151 with a grade of "C" or better. This course is designed to allow advanced dance students who have completed DANCE 150 and 151 the opportunity to continue advanced training. Students may enroll in Tap Dance Practicum, REC C79, any number of times.

Lecture Hours: 1 Laboratory Hours: 2 or equivalent

Prerequisite: PHYED 183. This course is an annual non-credit course that allows full-time faculty, staff, retirees and their spouses who have successfully completed PHYED 180-183 to continue to expand their health and fitness knowledge and behavior.

Lecture Hours: 0 Laboratory Hours: 2

Prerequisite: PHYED 183. This course is an annual non-credit course that allows students over 65 years of age who have successfully completed PHYED 180-183 to continue to expand their health and fitness knowledge and behavior.

Lecture Hours: 0 Laboratory Hours: 2

Prerequisite: PHYED 183. This course is an annual non-credit course that allows students between 16 and 64 years of age who have successfully completed PHYED 180-183 to continue to expand their health and fitness knowledge and behavior.

Lecture Hours: 0 Laboratory Hours: 2

Prerequisite: PHYED 183. This is an annual non-credit course that allows adjunct faculty and part-time staff who have successfully completed PHYED 180-183 to continue to expand their health and fitness knowledge and behavior.

Lecture Hours: 0 Laboratory Hours: 2

This course is available to persons with previous jazz experience. Membership is by audition only.

Lecture Hours: 0 Laboratory Hours: 2 or equivalent

This non-credit course is designed for adults over age 60 who wish to expand their knowledge of health and wellness for seniors. Aspects of physical, psychological and social wellness are covered. Other topics include historical and cultural perspectives of wellness, as well as application of lifestyle choices which can lead to improved health and wellness.

Lecture Hours: 5 Laboratory Hours: 0

Prerequisite: Two semesters of MUS 132 and two semesters of MUS 232. This course is available to all students who have successfully completed four semesters in the Jazz Band (MUS 132 and 232). Sixteen three-hour sessions and performances as may be scheduled.

Lecture Hours: 0 Laboratory Hours: 2 or equivalent

This course is available to all individuals that play wind or percussion instruments that have successfully auditioned for the ensemble.

Lecture Hours: 0 Laboratory Hours: 2 or equivalent

This course is designed to allow advanced dance students the opportunity to continue advanced training. Membership is awarded through audition.

Lecture Hours: Laboratory Hours: 2
Special Programs/Classes

Academic Discovery Program ........................................... 308
Dual Credit Classes .......................................................... 308
GED Review Classes ......................................................... 308
Honors Program ............................................................... 308
International Education Program ..................................... 308
Online Certificate and Degree Options ............................... 308
Weekend College ............................................................. 308
Professional Development Institute ................................. 308
Youth Programs ............................................................... 308
Academic Discovery Program
The Academics Discovery Program is designed for new, "undecided" students. It combines two college transfer courses, "College Success" (ORIEN 110), and "Career Choices" (ORIEN 111). This combination of classes develops student success skills and transfer level study techniques along with selecting a college major. In addition, "Learning Strategies" (ORIEN 099) assists students who need study skills but are not at transfer level. For more information, contact Advisement and Counseling Services at (309) 694-5281.

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
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 icc.edu/academics/honors-program.

International Education Program
East Peoria Campus • (309) 694-8817 or (309) 694-8947
The purpose of the international education program is to promote the development of internationally competent citizens. This objective is addressed by assistance to faculty in internationalizing the content and perspective of the curriculum, by developing and promoting of opportunities for students, faculty and staff to study abroad, by welcoming international students, faculty, and visitors to ICC and by sponsoring events emphasizing cultural awareness on campus.

Students may choose a semester program in China; Canterbury, England; Carlow, Ireland; Spain; Salzburg, Austria; or summer sessions in San Jose, Costa Rica, and France. A student is not limited to these programs specifically. There are programs to match his/her needs. Most programs are endorsed by the Illinois Consortium of International Study Programs (ICISP) and provide ICC credit. To be eligible for these programs, students must have completed a minimum of 15 hours with a cumulative grade point average of at least 2.75. Final determination of acceptance rests with ICC.

Online 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 icc.edu/students/virtual-campus.

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.

Professional Development Institute (PDI)
ICC North, Hickory Hall • (309) 690-6900
The Professional Development Institute at Illinois Central College is a comprehensive training organization whose mission is to serve businesses and individuals by providing both open enrollment and customized, in-house, on-site or online educational experiences. With a dedicated staff, state-of-the-art technology, and community and academic resources, PDI seeks to continuously improve programs and services to their customers. For more information, visit icc.edu/pdi.

Youth Programs
ICC North, Hickory Hall • (309) 690-6914
The College for Kids program offers a wide variety of non-credit classes to students entering grades four through nine.

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.
Student Services and Organizations

Academic Advisement ................................................................. 310
Academic Placement Testing ..................................................... 310
Athletics and Recreational Activities ....................................... 310
Bookstore .............................................................................. 310
Campus Dining ....................................................................... 311
Career Services ....................................................................... 311
The Children’s Center ............................................................. 311
Counseling Services ............................................................... 311
Dental Hygiene Clinic ............................................................... 312
Enrollment Services .............................................................. 312
Fitness Center ......................................................................... 312
Health Services ....................................................................... 312
Housing ................................................................................. 312
Information Center ................................................................. 312
Learning Labs ......................................................................... 313
Learning Resource Centers ...................................................... 313
Massage Therapy Clinic .......................................................... 313
Office for Access Services ....................................................... 313
Student Leadership and Engagement .................................... 313
Student Education and Service Ambassadors ...................... 314
Student Employment ............................................................. 314
Student Insurance ................................................................. 314
Technology Services ............................................................. 314
Testing Center .......................................................................... 314
Transfer Center ....................................................................... 314
Transportation .......................................................................... 315
TRiO Student Support Services ............................................... 315
Veterans .................................................................................. 315
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 the appropriate classes each semester for their program of study. Advisors provide guidance concerning specific program requirements and serve as a source of information regarding general education requirements, College policies and procedures, and transferring to a college or university.

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

All full-time students are required to obtain academic advisement and must have an advisor’s approval each semester to enroll in twelve or more credit hours. Part-time students are strongly encouraged to seek advisement each semester before enrolling. The student is responsible for scheduling an appointment with his/her advisor. Students can obtain their advisor’s name and contact information from eServices, departmental offices, or the Advisement and Counseling Services Office, CC220.

Academic Placement Testing

East Peoria Campus • L220 • (309) 694-5234
Downtown Peoria, Thomas Bldg • 103B • (309) 999-4500
ICC North, Arbor Hall • (309) 690-6870
ICC Pekin • (309) 642-6601

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 on the Testing Center website at icc.edu/around-campus/testing-center/placement-testing or online at act.org/compass/sample or 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 icc.edu/around-campus/testing-center/placement-testing.

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 icc.edu/around-campus/testing-center/placement-testing.

Athletics and 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 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 are interested in sports and meet eligibility requirements established by the college and by the NJCAA are encouraged to contact 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 additional information visit the ICC website at 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, located in the CougarPlex, 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.  
icc.edu/bookstore F 7:30 a.m. - 4:30 p.m.

ICC North, Cedar Hall • (309) 690-6804

Hours of operation vary – (Check the ICC website). 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 website. 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 website 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%. 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. 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.

Campus Dining

<table>
<thead>
<tr>
<th>East Peoria Campus Très Café • 208D • (309) 694-5206</th>
<th>icc.edu/foodServices</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hours – Academic Year:</strong> M-TH 7:00 a.m. - 6:30 p.m.</td>
<td>F 7:00 a.m. - 1:30 p.m.</td>
</tr>
<tr>
<td><strong>Hours – Summer Semester:</strong> M-TH 7:00 a.m. - 6:30 p.m.</td>
<td>F 7:00 a.m. - 1:00 p.m.</td>
</tr>
<tr>
<td><strong>Check website for holiday hours</strong></td>
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</tbody>
</table>

Trés Café is the main hub of all Campus Dining operations.

Trés Café offers daily entrees, grill items, hot and cold deli sandwiches, chips, snack items, desserts, soups, and a wide assortment of beverages. Check our website 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. - 7:30 p.m. | F 7:00 a.m. - 1:00 p.m. |
| **Hours – Summer Semester:** M-TH 7:00 a.m. - 7:00 p.m. | closed fridays |
| **Check website for holiday hours** | |

The Café Breve 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.

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. - 2:00 p.m. | closed fridays |
| **Hours – Summer Semester:** M-TH 10:00 a.m. - 2:00 p.m. | closed fridays |
| **Check website for holiday hours** | |

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 Campus Dining locations.

CaféCa$h is ideal for anyone who spends time and money in any of ICC’s Campus Dining areas. This prepaid debit account is easy to set up, easy to use, easy to maintain, and accessible through your ICC ID card. There are no membership fees, no service charges, and no minimum balances. Go online to icc.edu/around-campus/campus-dining and click “Payment Methods”.

Career Services

| East Peoria Campus • CC200 • (309) 694-5281 |
| **ICC North • (309) 690-6893** |

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 including resume assistance and interview tips. A detailed brochure of options is available.

The Children’s Center

| East Peoria Campus • (309) 694-5116 |

The Children’s 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 Children’s Center Manager. The number of children we can accommodate is limited and parents sign up for the semester.

A Summer Explorer Camp is available for children 6-12 years of age for 10 weeks each summer. Registration 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 Children’s Center’s activities, go online to icc.edu/childcenter or call (309) 694-5116.

Counseling Services

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

- Professional counseling services are available to enrolled students who are experiencing emotional problems which interfere with their ability to function in an educational environment.
• Services are completely confidential and available free of charge; however, students may be referred to other agencies for more in-depth services.
• Appointments regarding career planning and skills assessment based on previous education or work experience are available on an individual basis and should be scheduled through this office.
• The Counseling Office offers individual assistance to students who are dealing with issues such as test anxiety, procrastination, and other areas that may be interfering with their educational success.

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 who are enrolled in classes at ICC. 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 for clients five years of age and older, for a minimal fee, regardless of actual care provided (current charge is $20). Dental cleaning, x-rays, fluoride treatment, sealants, and oral hygiene instruction are services provided at the Downtown Campus, Thomas Building. Appointments vary among morning, afternoon, and evenings. Call (309) 999-4616 to schedule an appointment.

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

Some services provided by Enrollment Services include:
• Admission 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 co-op or 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.

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.

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.

Housing
East Peoria Campus • (309) 698-2088 or 694-8959

On campus student housing offers a range of apartment choices including efficiencies, two- and four-bedroom units. Apartments include all utilities as well as extended basic cable and Internet. All apartments have full service kitchens complete with stove, refrigerator, dishwasher, and built-in dining study area. Two- and four-bedroom units are completely furnished and each private bedroom is equipped with cable and telephone outlets. Some of the amenities include an outdoor swimming pool, picnic pavilion, and a sports court for volleyball and basketball. Additional on-site services include laundry facilities, computer lab, clubhouse, maintenance worker, and courtesy officer.

Information Center
East Peoria Campus • Main Entrance (Atrium) (309) 694-5-ICC (694-5422)

Questions? Where? When? Who? Students and guests can find out more about College events, and other events held on campus, at the Information Center located inside the Main Entrance on the East Peoria Campus. Get directions to department offices, a copy of the class schedule, or information on the bus schedule.
Learning Labs

**LEARNING LABS**

**East Peoria Campus • 236A • (309) 694-5768**

**Downtown Peoria, Thomas Bldg • 103B • (309) 999-4514**

**ICC North, Cedar Hall • 136 • (309) 690-6833**

The Learning Labs offer free academic assistance to all ICC students. Services include tutoring in a variety of subjects, computer assisted learning, assistance with internet research, Blackboard (ICC’s online course management 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. Networked computers are available for students’ online mathematics learning activities.

**THE STUDIO**

**East Peoria Campus • 238A • (309) 694-5292**

**ICC North, Cedar Hall • C144 • (309) 690-6809**

The Studio offers consultations during all stages of the writing process. The Studio also offers reading consultations. Stop by to schedule an appointment, or make an appointment through The Studio’s website at thestudio.icc.edu. 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.

** Massage Therapy Clinic**

**North Campus, Arbor Hall • (309) 690-6822**

Supervised student massage is provided at the Therapeutic Massage Clinic. The service consists of student assessing client health information, performing a 50 minute massage with mild to moderate pressure, and providing wellness instructions for a $20 fee. Appointments may be scheduled via schedulicity.com for adults, 18 years of age and older, in general good health. For more information, call (309) 690-6822.

**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, as amended, 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 Enrollment Services
694-5223 Campus Police Department
694-5475 Health Services
999-4518 Downtown Peoria Campus
694-5721 Office for Access Services

**Student Leadership and Engagement**

**East Peoria Campus • 305B • (309) 694-5201**

Student Leadership and Engagement provides opportunities for students to gain leadership skills and experiences outside of the classroom. This department coordinates New Student Orientation, Welcome Days, L.E.A.D., and provides advisement for Student Government Association and Campus Activities Board. Students interested in volunteering for campus and community events, should come to the office to learn about service opportunities through the SESA program. Students who have been involved in
community service and other leadership activities can work with Student Leadership and Engagement on a co-curricular transcript, which helps students maintain a validated record of all their out-of-class activities during their academic career at 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 events that extend academic learning into life experiences. Students are encouraged to stop by Student Leadership and Engagement to explore all that is available.

**STUDENT ORGANIZATIONS**

Over 50 student organizations are active on campus and represent a diverse range of academic, social, political, recreational, and cultural interests. Student organizations are led by students and are always looking for new members to join. All student organizations have a faculty or staff advisor. Students are encouraged to stop by Student Leadership and Engagement to find a match. If a student’s particular interest is not being met by existing student organizations, and there are other students with similar interests, then Student Leadership and Engagement work with students on forming a new 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 Leadership and Engagement.

**Student Employment Off Campus**

See “Career Services” page 311.

**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 7).

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, Thomas Bldg • 103B • (309) 999-4500**

**ICC North, Arbor Hall • Reg Desk • (309) 690-6870**

**ICC 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 Campus and/or ICC North Testing Center. All testing is by appointment.

**Transfer Center**

**East Peoria Campus • 303B • (309) 694-5330**

The Transfer Center provides students with direction and support for their college transfer experience. The Transfer Center works to ensure the success of ICC transfer students, helping them to graduate and seamlessly transfer to four-year institutions throughout the state and country. A reference library is available within the Transfer Center providing up-to-date information on a variety of colleges/universities; including: university catalogs, applications, program brochures, viewbooks, and scholarship information.

Illinois Central College students are given the opportunity to visit various four-year institutions, speak with college representatives, and attend open houses to help identify and apply to the four-year school that meets their needs. The staff is available to answer questions about transfer procedures, admission requirements, housing, and scholarship information in order to assist students through the transfer process. Additionally, information about the Illinois Articulation Initiatives is available in the Transfer Center or visit the Illinois Articulation Initiative website at iTransfer.org.
The Transfer Center also includes CONNECT – the transfer connection program that sponsors transfer-related programming and events in five areas (academic enrichment, college exploration, leadership, service, and culture). This program provides additional resources that are strategically designed to help students transition from high school to ICC and from ICC to their four-year institution.

Transportation
Students are responsible for their own transportation to the College. Currently, CityLink, Peoria's bus transportation, has routes to and from our East, North and Downtown sites. Schedules may be obtained from the bus company or the College Information Center in the East Peoria Campus Atrium.

Designated parking areas are provided for visitors, students and staff. Handicapped spaces are available for people with physical disabilities. Display of proper staff/faculty as well as handicapped parking permits is mandatory. Violators will be ticketed. “Traffic and Parking Regulations” information booklets are available at the campus Information Centers and Campus Police Department Offices. Questions regarding traffic and parking regulations can be answered by any Campus Police Officer or by the Campus Police Chief at (309) 694-5225.

TRiO Student Support Services

TRiO Student Support Services 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

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

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

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

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

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

The Department of Veterans Affairs requires military education to be evaluated, credited, and posted to Illinois Central College records. Official transcripts from The Community College of the Air Force or the Army (AARTS) must be sent directly to the College from the appropriate institution. Joint Services transcripts can be obtained at https://jst.doded.mil/smart/signin.do, or a student can submit a DD214 for military credit.

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

WITHDRAWAL DUE TO CALL TO ACTIVE DUTY

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

Departmental Administration and Faculty ......................... 318
Board of Trustees .................................................................. 320
Administration ..................................................................... 320
Departmental Administration and Faculty

English, Humanities, and Language Studies

Interim Associate Dean
Vance, Margot
PhD
Illinois State University

Arklen, Nicole
PhD
Illinois State University

Arnes, Megan
MA
University of Chicago

Baldridge, Elizabeth
PhD
University of Illinois

Birk, Lois
MA
Bradley University

Bonvici, Andrew
MA
University of Loyola Chicago

Decker, James
PhD
Northern Illinois University

Dinkins, Shari
MA
San Francisco State University

Guertin, Stephanie
MA
Bradley University

Hillabold, Susan
PhD
University of Alberta

Hopp, Jennifer
MA
Eastern Illinois University

Jordan, Edwina
MSE
Northern Illinois University

Krause, Helen
MA
Bradley University

Parlier, Sarah
PhD
Illinois State University

Reznick, Paul
MA
Truman State University

Richrath, Jennifer
MA
Southern Illinois Univ.-Edwardsville

Sanders, Susan
EdM
University of Illinois-Urbana

Shurtleff, Craig
MA
Utah State University

Sullivan, James
PhD
University of Illinois

Social Sciences and Public Services

Associate Dean
Spiller, Marian
PhD
University of Illinois-Urbana

Wilson, Deborah
PhD
University of California-Irvine

Busch, Nicholas
MS
The Ohio State University

Christian, Eric
MS
Oklahoma State University

Cordell-Bruntont, Maxine
PhD
University of Illinois-Urbana

Dougherty, Deborah
MS
Illinois State University

Ensley, Colleen
MS
St. Louis University

Frautschki, Laurel
MA
Appalachian State University

Fulcher-Fricke, Rebekah
PsyD
Fuller Theological Seminary

Graft, G. Nicholas
MS
University of Illinois-Springfield

Higgins, Thomas
JD
John Marshall Law School

Huff, Judy
MA
Bradley University

Kelts, Daniel
MA
Bradley University

Mendenhall, Stan
MS
Illinois State University

Morrow, Therese
MS
Western Illinois University

Phipps-Clayton, Mary
MS
Southern Illinois Univ.-Edwardsville

Simms, Adrienne
MA
University of Northern Colorado

Stamm, Jon
MA
University of Illinois-Chicago

Stauthammer, Denise
MS
Illinois State University

Thigpen, Gail
MA
Bradley University

Thomas, Barbara
MS
Illinois State University

Thompson, David
PhD
The Ohio State University

White, Earl Anthony
PhD
Capella University

Agricultural and Industrial Technologies

Dean
Sloan, Michael
MS
Illinois State 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

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

Gehrke, Stacy
MS
Eastern Illinois University

Greene, Grant
MS
University of Illinois

Gunter, Robert
BA
University of Illinois - Springfield

Huisenga, Donna
MS
Saint Joseph College

Imm, Trevor
AAS
Illinois Central College

Matthews, R. Mark
MA
Illinois Central College

Morgenstern, David
AAS
John A. Logan College

Polanin, W. Richard
EdD
University of Illinois

Rippey, Curt
AAS
Illinois Central College

Thomas, Kevin
MS
Southern Illinois Univ.-Carbondale

Weaver, Brian
BS
Ferris State University

Wester, Thomas
MS
Pittsburg State University

Arts and Communication

Dean
Gray, Christopher
MA
Illinois State University

Bagget, John
MS
Western Illinois University

Bean, Roger
MS
Illinois State University

Berkeley, 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

Fulton, Robert
MFA
Illinois State University

Goken, M. Brent
BA
Eastern Illinois University

Hale, Gary
MA
Southern Illinois Univ.-Carbondale

Harms, Lawrence
MM
Illinois State University

Hedemann, Debra
MS
Indiana State University

Who’s Who COLLEGE CATALOG 2015-2016

Howell, Ronald
MA
Auburn University

Johnson, Scott
MFA
Governors State University

Jones, Anthony
MA
Western Illinois University

McMorrow, 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

Schimmel, Karl
MA
Northern Illinois University

Smit, David
MA
Bradley University

Tuccillo, Anita
MFA
University of Notre Dame

Tuccillo, John
MA
University of New Mexico

Business, Hospitality, and Information Systems

Dean
Howar, Jule
MBA
William Woods University

Ashwood, Susan
AGS
Spoon River College

Dean, Dorothy
MED
Northern Illinois University

Dewey, Pamela
MBA
University of Illinois-Springfield

DuBois, Mark
MA
University of Kansas

Hawthorne, Kimberly
MSE
Illinois State University

Kelly, Dan
MS
Notre Dame University

Paulsen, Scott
JD
University of Iowa
Peterson, Douglas
MLS
Bradley University

Robertson, Charles
AAS
Kendall College

Saatkamp, Adam
MS
Bradley University

Shank, Keith
BS
Western Illinois University

Sibrel, Paulette
MS
Florida State University

Son, Youngju
PhD
Wayne State University

Spengler, Jennifer
MS
Southern Illinois Univ.-Carbondale

Swanson, Paul
MS & MBA
Bradley University

Tripp, Shari
MBA
Illinois State University

Wells, Kevin
MSE
Illinois State University

College & Career Readiness
Dean
Sutton, Kay
MEd
University of Illinois

Health Careers
Dean
Guth, Wendee
MS
University of Illinois-Chicago

Associate Dean
Kruckenberg, Denise
MS
University of St. Francis

Arnett, Lisa
MS
University of St. Francis

Axelson, Desiree
MS
University of Illinois-Chicago

Bender, James
BS
Midstate College

Bisanz, Liane
MS
University of Illinois-Chicago

Brown, Ronald
MSN
Walden University

Condit, Cydney
BS
Midstate College

Crawford-Jones, Carole
MS
University of St. Francis

Dart, Michael
AAS
Illinois Central College

Empson, Cathy
AA
Illinois Central College

Feeny, Julie
MS
University of Indianapolis

Galagher, Michael
MS
St. Francis College of Nursing

Gold-Pearce, Alice
BS
State University of New York

Haines, Jennifer
MS
University of St. Francis

Hammer, William
MA
University of Phoenix

Hohstadt, LeeAnn
BA
Western Illinois University

Klodt, Michele
MSN
Southern Illinois Univ.-Edwardsville

Kokotek, Sandy
MS
Walden University

Korondi, Cathleen
MS
University of Illinois

Mauer, Lynn
MEd
University of Illinois

Moore, Annette
MSN
St. Francis Medical Center College of Nursing

Moore, Valerie
MS
University of Illinois-Chicago

Owens, Kara
MS
University of Illinois-Chicago

Reese, Beth
MSN
St. Francis Medical Center College of Nursing

Punke, Terri
BSN
Mennonite College of Nursing

Ritchhart, Kimberly
MPA
Southern Illinois Univ.-Edwardsville

Sams, Mary
MSN
University of Phoenix

Siebert, Cindy
MSN
Mennonite College of Nursing

Stokowski, Joan
MS
University of Illinois-Chicago

Strow, Anh
MPH
University of Illinois-Springfield

Tatham, April
MS
Western Illinois University

Wounded Arrow, Annette
MSN
Walden University

Math, Science, and Engineering
Dean
Bergman, Joseph
MS
Illinois State University

Ames, Kathy
MS
Illinois State University

Armon, John
MS
University of Missouri-Rolla

Baila, Carmen
MS
Portland State University

Bomer, Megan
MS
Illinois State University

Carrico, Elizabeth
MS
Southern Illinois Univ.-Carbondale

Constable, Jeffrey
MS
Mississippi State University

Eckstein, Kenneth
MSME
Bradley University

Gavino, Pia
PhD
Cornell University

Goode, Amy
MS
University of Massachusetts

Griffiths, Thomas
PhD
University of Massachusetts

Halvorsen, Troy
PhD
University of Florida

Haner, Thomas
PhD
University of Oklahoma

Harris, Philip
MS
Purdue University

Hohulin, Mary
MS
Illinois State University

Jacobson, Kristin
MS
Illinois State University

Larson, Steven
MLS
Bradley University

Love, John
MS
University of Illinois

Mays, Elizabeth
MS
Illinois State University

Meillendorf, Kenneth
PhD
University of Illinois

Oliver, Michael
MS
Western Illinois University

O’Brien, Cara
MS
Illinois State University

Peterson, Dawn
MA
Illinois State University

Portscheller, Steven
MS
Bradley University

Resnick, Cheryl Emerson
MS
Northern Arizona University

Rush, Yolanda
MS
Michigan Technological University

Savas, Meral
PhD
Northern Illinois University

Scoby, Jennifer
MS
Bradley University

Sirbu, Ioana
PhD
State University of New York at Buffalo

Spielman, Joseph
MA
Eastern Illinois University

Stermer, Edward
MS
University of Iowa

Tahir, Fereja
MA
University of Wisconsin-Madison

Thanum, Kelly
MS
Illinois State University

Vietti, Kimberly
MS
Bradley University

Ward, Patrick
MA
University of Kentucky

Welsch, Deanna
MS
Southeast Missouri State University

Woodis, Lena
PhD
University of Wisconsin-Madison

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East Peoria Campus .......................................................... 322
Downtown ................................................................. 322
ICC North ................................................................. 323
ICC Pekin ................................................................. 324
East Peoria Campus
1 College Drive, East Peoria, IL 61635-001

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
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: icc.edu
ICC Pekin
Riverway Business Park
225 Hanna Drive, Pekin, IL 61635-0001
INDEX
<table>
<thead>
<tr>
<th>INDEX</th>
<th>COLLEGE CATALOG 2015-2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>185, 246</td>
</tr>
<tr>
<td>The Children’s Center</td>
<td>311</td>
</tr>
<tr>
<td>Child Development</td>
<td>59, 246</td>
</tr>
<tr>
<td>Child Development - Advanced</td>
<td>60</td>
</tr>
<tr>
<td>Child Development - Basic</td>
<td>61</td>
</tr>
<tr>
<td>Chinese</td>
<td>247</td>
</tr>
<tr>
<td>Cisco Certified Network Associate</td>
<td>62</td>
</tr>
<tr>
<td>Cisco Certified Network Professional</td>
<td>63</td>
</tr>
<tr>
<td>Cisco Networking Specialist</td>
<td>64</td>
</tr>
<tr>
<td>Class Attendance</td>
<td>7</td>
</tr>
<tr>
<td>Class Format</td>
<td>8</td>
</tr>
<tr>
<td>CLEP - College-Level Examination Program</td>
<td>316</td>
</tr>
<tr>
<td>Clerk Typist</td>
<td>65</td>
</tr>
<tr>
<td>CNC Machine Operator</td>
<td>66</td>
</tr>
<tr>
<td>College for Kids &amp; Young Adults</td>
<td>see Youth Programs</td>
</tr>
<tr>
<td>Commencement</td>
<td>35</td>
</tr>
<tr>
<td>Commercial Refrigeration Technician</td>
<td>67</td>
</tr>
<tr>
<td>Communication</td>
<td>248</td>
</tr>
<tr>
<td>Communication - General</td>
<td>186</td>
</tr>
<tr>
<td>Communication - Public Relations</td>
<td>187</td>
</tr>
<tr>
<td>Computed Tomography</td>
<td>68</td>
</tr>
<tr>
<td>Computer-Aided Mechanical Drafting</td>
<td>71</td>
</tr>
<tr>
<td>Computer Information Systems - Business</td>
<td>198</td>
</tr>
<tr>
<td>Computer Information Systems - Technical</td>
<td>189</td>
</tr>
<tr>
<td>Computer Management - CISCO</td>
<td>248</td>
</tr>
<tr>
<td>Computer Management - General</td>
<td>249</td>
</tr>
<tr>
<td>Computer Management - Networking</td>
<td>250</td>
</tr>
<tr>
<td>Computer Management - Web</td>
<td>251</td>
</tr>
<tr>
<td>Computer Programming and Database Development</td>
<td>69, 70</td>
</tr>
<tr>
<td>Computer Science</td>
<td>252</td>
</tr>
<tr>
<td>Core Values</td>
<td>2</td>
</tr>
<tr>
<td>Counseling Services</td>
<td>311</td>
</tr>
<tr>
<td><strong>Course Descriptions</strong></td>
<td>235</td>
</tr>
<tr>
<td>Course Identification</td>
<td>236</td>
</tr>
<tr>
<td>Credit Hour</td>
<td>16</td>
</tr>
<tr>
<td>Credit for Prior Learning</td>
<td>13</td>
</tr>
<tr>
<td>Credit for Service &amp; Education in the Armed Forces</td>
<td>14</td>
</tr>
<tr>
<td>Crime Scene Technology</td>
<td>253</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>190, 253</td>
</tr>
<tr>
<td>Culinary Arts</td>
<td>254</td>
</tr>
<tr>
<td>Culinary Arts Management</td>
<td>72, 73</td>
</tr>
<tr>
<td>Customer Service Professional</td>
<td>74</td>
</tr>
<tr>
<td><strong>D</strong></td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>191, 255</td>
</tr>
<tr>
<td>Data Entry Clerk</td>
<td>75</td>
</tr>
<tr>
<td>Deconstruction</td>
<td>76, 256</td>
</tr>
<tr>
<td>Degrees</td>
<td>26</td>
</tr>
<tr>
<td>Degree Specific Admission Requirements</td>
<td>27</td>
</tr>
<tr>
<td>Dental Hygiene</td>
<td>256</td>
</tr>
<tr>
<td>Dental Hygienist</td>
<td>77</td>
</tr>
<tr>
<td>Dental Hygiene Clinic</td>
<td>312</td>
</tr>
<tr>
<td>D.E.T.A.I.L.S. Transcript</td>
<td>9</td>
</tr>
<tr>
<td>Diesel Powered Equipment Technology</td>
<td>78, 257</td>
</tr>
<tr>
<td>Dietetics</td>
<td>192</td>
</tr>
<tr>
<td>Digital Imaging</td>
<td>79</td>
</tr>
<tr>
<td>Digital Publishing</td>
<td>80</td>
</tr>
<tr>
<td>Diversity Pledge</td>
<td>2</td>
</tr>
<tr>
<td>District Map</td>
<td>12</td>
</tr>
<tr>
<td>Dropping Classes/Refunds</td>
<td>19</td>
</tr>
<tr>
<td>Drug and Alcohol Counselor Training</td>
<td>81, 82, 258</td>
</tr>
<tr>
<td>Dual Credit Classes</td>
<td>308</td>
</tr>
<tr>
<td><strong>E</strong></td>
<td></td>
</tr>
<tr>
<td>E-Commerce</td>
<td>83</td>
</tr>
<tr>
<td>Earth Science</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>258</td>
</tr>
<tr>
<td>Education</td>
<td>193, 239</td>
</tr>
<tr>
<td>Educational Guarantees</td>
<td>9</td>
</tr>
<tr>
<td>Educational Rights and Responsibilities</td>
<td>9</td>
</tr>
<tr>
<td>Electronics Servicing</td>
<td>84, 259</td>
</tr>
<tr>
<td>Electronics Technology</td>
<td>85, 259</td>
</tr>
<tr>
<td>Emergency Management</td>
<td>86</td>
</tr>
<tr>
<td>Emergency Medical Technician</td>
<td>260</td>
</tr>
<tr>
<td>Energy Efficiency Renewable Energy</td>
<td>262</td>
</tr>
<tr>
<td>Engineering</td>
<td>197, 263</td>
</tr>
<tr>
<td>English</td>
<td>198, 263</td>
</tr>
<tr>
<td>English Language Learners</td>
<td>265</td>
</tr>
<tr>
<td>English as a Second Language</td>
<td>264</td>
</tr>
<tr>
<td>English Skills</td>
<td>265</td>
</tr>
<tr>
<td>Enrollment Procedure</td>
<td>14</td>
</tr>
<tr>
<td>Enrollment Services</td>
<td>312</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>199</td>
</tr>
<tr>
<td>Equal Opportunity/Affirmative Action</td>
<td>3</td>
</tr>
<tr>
<td>Evaluation of Transfer Credit</td>
<td>13</td>
</tr>
<tr>
<td><strong>F</strong></td>
<td></td>
</tr>
<tr>
<td>Faculty</td>
<td>318-319</td>
</tr>
<tr>
<td>Faculty Senate Officers</td>
<td>319</td>
</tr>
<tr>
<td>Family and Consumer Sciences</td>
<td>200, 265</td>
</tr>
<tr>
<td>Feedback to ICC</td>
<td>3</td>
</tr>
<tr>
<td>Fees</td>
<td>19</td>
</tr>
<tr>
<td>Film</td>
<td>265</td>
</tr>
<tr>
<td>Finance</td>
<td>87</td>
</tr>
<tr>
<td>Financial Assistance</td>
<td>21, 22</td>
</tr>
<tr>
<td>Fire Science Technology</td>
<td>88, 265</td>
</tr>
<tr>
<td>Fitness Center</td>
<td>312</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>201</td>
</tr>
<tr>
<td>French</td>
<td>267</td>
</tr>
<tr>
<td><strong>G</strong></td>
<td></td>
</tr>
<tr>
<td>GED Preparation</td>
<td>267</td>
</tr>
<tr>
<td>GED Review Classes</td>
<td>308</td>
</tr>
<tr>
<td>General Education Goals</td>
<td>26</td>
</tr>
<tr>
<td>General College Information</td>
<td>1</td>
</tr>
<tr>
<td>General Motors Automotive Service</td>
<td></td>
</tr>
<tr>
<td>Educational Program (GM-ASEP)</td>
<td>90, 268</td>
</tr>
<tr>
<td>General Requirements for Degrees</td>
<td>26</td>
</tr>
<tr>
<td>Geographic Information Systems</td>
<td>268</td>
</tr>
<tr>
<td>Geography</td>
<td>202, 268</td>
</tr>
<tr>
<td>Geology</td>
<td>203</td>
</tr>
<tr>
<td>German</td>
<td>269</td>
</tr>
<tr>
<td>GM-ASEP</td>
<td>90, 268</td>
</tr>
<tr>
<td>Grade Point Average</td>
<td>8</td>
</tr>
<tr>
<td>Grading System</td>
<td>8</td>
</tr>
<tr>
<td>Graphic Communications</td>
<td>91, 269</td>
</tr>
<tr>
<td>Graphic Design</td>
<td>92, 93, 270</td>
</tr>
<tr>
<td>Greek</td>
<td>271</td>
</tr>
<tr>
<td>Green Building Environment</td>
<td>94, 95</td>
</tr>
<tr>
<td><strong>H</strong></td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td></td>
</tr>
<tr>
<td>Health Career Professions</td>
<td>205</td>
</tr>
<tr>
<td>Health Occupations</td>
<td>271</td>
</tr>
<tr>
<td>Health Services</td>
<td>312</td>
</tr>
<tr>
<td>Help Desk</td>
<td>314</td>
</tr>
<tr>
<td>History</td>
<td>206, 272</td>
</tr>
<tr>
<td>History (of the College)</td>
<td>2</td>
</tr>
<tr>
<td>Honors Program</td>
<td>308</td>
</tr>
<tr>
<td>Horticulture</td>
<td>272</td>
</tr>
<tr>
<td>Horticulture Landscape Management</td>
<td>96</td>
</tr>
<tr>
<td>Horticulture-Landscape Design</td>
<td>97</td>
</tr>
<tr>
<td>Horticulture- Turfgrass Management</td>
<td>98</td>
</tr>
<tr>
<td>Horticulture- Turfgrass Operations</td>
<td>99</td>
</tr>
<tr>
<td>Hospitality</td>
<td>273</td>
</tr>
<tr>
<td>Housing</td>
<td>312</td>
</tr>
<tr>
<td>Human Services</td>
<td>273</td>
</tr>
<tr>
<td>Human Services - Child Development</td>
<td>100</td>
</tr>
<tr>
<td>Human Services - Family/Youth Services</td>
<td>101</td>
</tr>
<tr>
<td>Human Services - Generalist</td>
<td>102</td>
</tr>
<tr>
<td>Human Services - Mental Health Services</td>
<td>103</td>
</tr>
<tr>
<td>Human Services - Psychiatric Rehabilitation</td>
<td>104</td>
</tr>
</tbody>
</table>
Explanations of Terms

Academic Advisor – faculty member or counselor assigned to help students select courses and plan their educational programs.

Associate Degree – awarded to a student who has completed at least 60 semester hours in a particular field of study as outlined in the college catalog.

Auditing – enrolling for and attending class(es) regularly without having to take tests. No grade or credit hours are earned.

Baccalaureate Degree – awarded after completion of required semester hours, usually four years of full-time academic study. Usually referred to as bachelor's degree.

Certificate – awarded to students who complete requirements for a specific program of more than one course as listed in the College Catalog, but less than 50 semester hours.

Certificate of Participation – awarded for completion of single course programs such as “Stress Management” offered by our Professional Development Institute.

Class Schedule – 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).

Credit Hour – a unit of credit awarded for completion of a course. Typically it is expected that a course will meet for 45 hours of combined classroom/laboratory and study time for each semester hour.

Curriculum – a group of courses making up an area of specialization.

Dean/Associate Dean – person responsible for the administration of an academic department or academic support department.

Department – an administrative unit of an academics division, giving instruction in a particular subject or group of subjects, such as Social Sciences Department.

District 514 – Illinois Central College District official designation for ICC.

Diversity pledge – statement of ICC’s commitment to diversity in all its dimensions.

Dropping a Course – If you’re signed up for a course and no longer want to take the course, you cannot just stop coming to class. You must fill out the correct Add/Drop Form in Enrollment Services or drop in eServices online. Be sure to check Class Schedule for details and deadlines.

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.

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 any of our ICC campuses.

Online classes – classes delivered entirely online through the internet.

Open-Door Policy – any person 18 years of age or older may enroll as a part-time student for credit classes (if class does not require a pre-requisite) at Illinois Central College even if they do not have a high school diploma or GED certificate. But, to enroll for classes with the goal of earning an Associate Degree, specific entrance requirements must be met.

Prerequisite – course that must be completed before another course can be taken, such as MATH 134 must be completed prior to MATH 135.

Semester – usually 16 weeks at Illinois Central College; one-half of the academic year. Note: Summer sessions are usually 8 weeks long.

Transcript – copy of a student’s academic record. Can be obtained from Enrollment Services, East Peoria Campus, Room L211.

Tuition – cost of one semester hour multiplied by the number of semester hours in which enrolled. ($125 x 3 semester hours = $375 tuition for the average course)

WEB classes (www) – refer to online classes