Illinois Central College is an AQIP participant, accredited by the Higher Learning Commission. To contact the Higher Learning Commission, go to hlcommission.org or call (800) 621-7440. It is the policy of this College that no person, on the basis of race, color, religion, gender, national origin, age, disability, sexual orientation, or veteran’s status, shall be discriminated against in employment, in educational programs and activities, or in admission. Inquiries and complaints may be addressed to the Vice President of Diversity, International and Adult Education, ICC, 1 College Drive, East Peoria, Illinois 61615-0001, (309) 694-5561.
Academic Calendar

**Fall 2016**
- Minimester Starts: July 25
- Minimester Ends (3 cr. hr. course): August 8
- Minimester Ends (4 cr. hr. course): August 10
- Final Exams: November 14-18
- Classes Begin: August 15
- Labor Day (no classes): September 5
- Thanksgiving Break - No Classes: November 21-22
- Thanksgiving Break - College Closed: November 23-24
- Midterm: December 5
- Classes Begin: December 6

**Spring 2017**
- Minimester Starts: January 17
- Minimester Ends: February 10
- Midterm: March 27
- Spring Break (no classes): March 27-31
- Classes Begin: April 9
- Minimester Ends (3 cr. hr. course): May 5
- Minimester Ends (4 cr. hr. course): May 8
- Final Exams: May 15-19
- Classes Begin: May 22
- Holiday (no classes): May 29
- Weekend College*: Aug. 1 - Dec. 11

**Summer 2017**
- Minimester Starts: May 16
- Minimester Ends (3 cr. hr. course): June 2
- Minimester Ends (4 cr. hr. course): June 5
- Classes Begin: June 9
- Holiday (no classes): July 4
- Classes Begin: July 25
- Final Exams: July 26-28

*meets every weekend, except Nov. 25-27

*meets every weekend, except April 14-16

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.
Academic Requirements

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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 lifelong 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 9.)

**ASSOCIATE IN SCIENCE DEGREE** is a baccalaureate-oriented transfer degree focused in life or physical sciences, or professional fields with these study areas as a foundation. Degree completion may qualify the individual for junior standing at many four-year colleges and universities. Students who complete the Associate in Science degree at ICC will need to complete additional requirements at ICC or the transfer institution in order to complete the Illinois Articulation Initiative’s general education requirements. (For more information on the Illinois Articulation Initiative, see page 9.)

**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-specific 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 2, candidates for the Associate in Applied Science Degree must maintain an overall grade point average of 2.00 (C). All credits used to complete this degree must be labeled as “OC” or “TC”. The student must also present an approved program with the minimum credit hours specified for the program, including the following general education requirements:

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

**Certificates**

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

**GENERAL REQUIREMENTS FOR OCCUPATIONAL CERTIFICATES**

To become eligible for a certificate a student must:

1. Complete all courses listed for the particular certificate. Appropriate technical course substitutions may be approved by the department dean/associate dean.
2. Complete at least thirty percent (30%) of the total program of study required for the certificate in residence at Illinois Central College.
3. Maintain a cumulative grade point average of 2.00 (C) in all courses required for the certificate. Individual courses may have additional grade requirements.
4. Fulfill all financial obligations to the college.
5. Submit an Application for Certificate by the deadline for the term in which they plan to graduate to ensure the timely award of the certificate. (See page 10)

<table>
<thead>
<tr>
<th>Term</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 1</td>
<td>December graduation deadline</td>
</tr>
<tr>
<td>February 1</td>
<td>May graduation deadline</td>
</tr>
<tr>
<td>May 1</td>
<td>July graduation deadline</td>
</tr>
</tbody>
</table>

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 2, candidates for the Associate in General Studies Degree must complete the degree with an overall grade point average of 2.00 (C) for all courses counted towards graduation. Graduates must complete a minimum of 60 credit hours all labeled “TC” or “OC”, including the following:

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

**B. SOCIAL AND BEHAVIORAL SCIENCES:** (9 credit hours)
1. Economics: ECON 105, 110, 111
2. Geography: GEOG 112, 113, 116, 118, 200
3. History: HIST 117, 118, 125, 201, 202, 231
4. International Studies: INTST 130, 134
5. Political Science: POLSC 115, 119, 120, 122, 124
6. Psychology: PSY 110, 202, 210, 220
7. Social Science: SSC 111
8. Sociology: SOC 110, 114, 120, 213, 218

**C. MATHEMATICS:** (3 credit hours)
AGBUS 118, BUS 120, MAT 106, RNRS 150
Any MATH above 100, except for the following: 230, 250

**D. LABORATORY SCIENCE:** (4 credit hours)
AGRI 112, 201; ASEP 221; AUTO 115; CATTK 110; DPET 130; HORT 110
Any BIOL above 100, except for the following: 150, 210, 230
Any CHEM above 100, except for the following: 113, 122, 131, 132, 210, 220, 230
Any PHYS above 100, except for the following: 104, 121, 211, 212, 213, 214
Any EASC or PHYSC above 100

**E. HUMANITIES AND FINE ARTS:** (3 credit hours)
1. Art: ART 110, 142, 150, 151, 152
2. Dance: DANCE 115
3. Film: FILM 110
4. Foreign Language: ARA 211; CHN 211; FR 211; GER 211; SPAN 211
5. History: HIST 111, 112
6. Humanities: HUMAN 123, 124, 125, 128, 129
7. International Studies: INTST 132, 133
9. Mass Communication: MCOMM 224
10. Music: MUS 148, 149, 150
12. Theatre: THTRE 110, 111

*Either PSY 210 or SOC 218 satisfies IAI requirements

**Associate in Arts Degree (AA)**

**SPECIFIC REQUIREMENTS** (Transfer Degree)

In addition to the General Requirements for Degrees listed on page 2, candidates for the Associate in Arts Degree must complete at least 60 credit hours of TRANSFER CREDIT (TC) courses including the General Education requirements listed below. Students must maintain an overall grade point average of 2.00 (C). See pages 8 and 9 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; In order to fulfill this requirement, a student must receive a grade of “C” or better in each of the two courses.

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

**C. SOCIAL AND BEHAVIORAL SCIENCES:** (9 credit hours) These courses must be taken in at least two of the following disciplines:
1. Economics: ECON 110, 111
2. Geography: GEOG 112 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 110 or SSC 111 or INTST 140 (only one of these three may satisfy IAI requirements)
7. Sociology: SOC 110, 114, 120, 213, 218*, 219

**D. MATHEMATICS:** (3 credit hours) MATH 110, 111 or 212, 122, 134, 135, 201, 222, 223, 224

**E. PHYSICAL AND LIFE SCIENCES:** (7 credit hours) At least one of these courses must be a Life Science and one must be a Physical Science. Also, at least one of these courses must contain a laboratory experience.
1. Life Sciences (3-4 credit hours) Biology: BIOL 110, 111, 114, 115, 120, 130, 150 (non-lab), 160 or 161, 250
2. Physical Sciences (3-4 credit hours) Chemistry: CHEM 110, 113 (non-lab), 115, 120, 130 Earth Science: EASC 111, 116, 118, 250 Physical Science: PHYSC 110, 114 Physics: PHYS 110, 120

**F. HUMANITIES AND FINE ARTS:** (9 credit hours) At least one of these courses must be a Humanities course and at least one must be a Fine Arts course. The third course may be taken from either group.
1. Humanities (3-6 credit hours) Foreign Language: ARA 211 or 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, 230, 250 Philosophy: PHIL 110, 111, 112, 115, 116

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

While a foreign language is not required for graduation at ICC, students are strongly advised to check the requirements of the program at the college or university to which they intend to transfer.
Associate in Science Degree (AS)

SPECIFIC REQUIREMENTS (Transfer Degree)

In addition to the General Requirements for Degrees listed on page 2, candidates for the Associate in Science Degree must complete at least 60 credit hours of TRANSFER CREDIT courses including the General Education requirements listed below. Students must maintain an overall grade point average of 2.00 (C). See pages 8 and 9 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; In order to fulfill this requirement, a student must receive a grade of “C” or better in each of the two courses.

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

C. SOCIAL AND BEHAVIORAL SCIENCES: (6 credit hours) Courses must be taken in at least two of the following disciplines:
   1. Economics: ECON 110, 111
   2. Geography: GEOG 112 or 113, 116, 118, 200
   3. History/International Studies: HIST 117, 118, 201, 202, 231; INTST 130, 134
   4. Political Science: POLS 115, 119, 120, 122, 124
   5. Psychology: PSY 110, 202, 210*, 220
   6. Social Science: SSC 110 or SSC 111 or INTST 140 (only one of these three may satisfy IAI requirements)
   7. Sociology: SOC 110, 114, 120, 213, 218*, 219

D. MATHMATICS: (6-9 credit hours) At least one of these courses must be taken from Group I, and the others may be taken from either Group I or Group II. See chart on page 7.
   1. Group I (3-6 credit hours) MATH 110, 111 or 211, 122, 134, 135, 201, 222, 223, 224
   2. Group II (Transfer credit, but NOT IAI approved courses for General Education) MATH 115, 120, 124, 165, 190, 200, 230, 250

E. PHYSICAL AND LIFE SCIENCES: (10-11 credit hours) Students must complete at least one Physical Science and one Life Science course from Group I. The other course can be taken from Group I or Group II.
   At least two courses must also contain a laboratory component.
   1. Group I: (7-8 credit hours)
      - Life Sciences:
        - Biology: BIOL 110, 111, 114, 115, 120, 130, 150 (non-lab), 160 or 161, 250
        - Physical Sciences:
          - Chemistry: CHEM 110, 113 (non-lab), 115, 120, 130
          - Earth Science: EASC 111, 116, 118, 250
          - Physical Science: PHYS 110, 114
          - Physics: PHYS 110, 120
   2. Group II: (3-4 credit hours) Any science course designated as Transfer Credit, but NOT IAI approved courses for General Education.

F. HUMANITIES AND FINE ARTS: (6 credit hours) At least one of these courses must be a Humanities course and at least one must be a Fine Arts course.
   1. Humanities (3 credit hours)
      - Foreign Language: ARA 211 or CHN 211 or FR 211 or GER 211 or SPAN 211
      - History: HIST 111, 112
      - Humanities/International Studies: HUMAN 123, 124 or 125, 129; INTST 132 or 133
      - Philosophy: PHIL 110, 111, 112, 115, 116
   2. Fine Arts (3 credit hours)
      - Art: ART 110, 142, 150, 151, 152
      - 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 9). ICC’s courses approved by the Illinois Articulation Initiative (IAI) are posted on the transfer website: itransfer.org. While a foreign language is not required for graduation at ICC, students are strongly advised to check the requirements of the program at the college or university to which they intend to transfer.

Associate in Engineering Science Degree (AES)

SPECIFIC REQUIREMENTS

In addition to the General Requirements for a Degree listed on page 2, 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: INTST 130, 134
      - Political Science: POLS 115, 119, 120, 122, 124
      - Psychology: PSY 110, 202, 210*, 220
      - Social Science: SSS 110 or SSC 111 or INTST 140 (only one of these three may satisfy IAI requirements)
      - Sociology: SOC 110, 114, 120, 213, 218*, 219
   2. HUMANITIES/FINE ARTS
      - Art: ART 110, 142, 150, 151, 152
      - Dance: DANCE 115
      - Film: FILM 110
      - Foreign Language: ARA 211 or CHN 211 or FR 211 or GER 211 or SPAN 211
      - History: HIST 111, 112
      - Humanities: HUMAN 123, 124 or 125, 128, 129
      - International Studies: INTST 132 or 133
      - Mass Communication: MCOMM 224
      - Music: MUS 148, 149, 150
      - Philosophy: PHIL 110, 111, 112, 115, 116
      - Theatre: THTRE 110 or 111
   3. MATHEMATICS: (16 credit hours) MATH 222, 223, 224, 250
      - See chart on page 7.
   4. 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
   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 9 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 math placement scores or department approval. Group I math courses also require appropriate reading placement scores or equivalent. Consult an academic advisor for more information.
Multiple Associate Degrees/Certificates
Although a student may earn multiple Associate in Applied Science degrees and/or Certificates, he/she may earn only one of each of the following degrees:
• Associate in Arts (AA)
• Associate in Science (AS)
• Associate in Engineering Science (AES)
• Associate in General Studies (AGS)
A student may not earn:
An Associate in Arts (AA) degree after earning an Associate in Arts and Science degree (offered at ICC prior to 2010); or
An Associate in General Studies (AGS) degree after earning any other degree.

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 9) 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 356 for more information on CLEP.

If a student fulfills the entire IAI package at a school and the school so certifies, ICC will accept that the student has fulfilled the IAI general education requirements. If the student does not complete the entire IAI package, courses will be accepted on a course by course basis.
IAI/ICC General Education Course Alignment

COMMUNICATIONS (9 CREDIT HRS)
C1900 ENGL110 Composition I
C1901R ENGL111 Composition II
C2900 COMM110 Communication: Process & Practice
C2900 COMM212 Public Speaking

MATHEMATICS (3 CREDIT HRS)
M1900-1 MATH222 Calculus and Analytic Geometry I
M1900-2 MATH223 Calculus and Analytic Geometry II
M1900-3 MATH224 Calculus and Analytic Geometry III
M1900-B MATH135 Calculus for Business and Social Science
M1902 MATH111 General Education Statistics
M1902 MATH211 Statistical Analysis
M1903 MATH201 Mathematics for Elementary Teachers II
M1904 MATH110 Concepts of Mathematics
M1905 MATH122 Discrete Mathematics I
M1906 MATH134 Finite Math

PHYSICAL AND LIFE SCIENCES (7-8 CREDIT HRS)
L1900L BIOL110 Life Science
L1900L BIOL111 The Biology of Man
L1901L BIOL120 General Botany
L1902L BIOL130 General Zoology
L1904L BIOL140 Human Anatomy and Physiology
L1904L BIOL205 Principles of Human Anatomy and Physiology I
L1905L BIOL114 Environmental Biology
L1905L BIOL115 Native Plants and Animals
L1905L BIOL250 Field Biology
L1906 BIOL150 Genetics
L1910L BIOL160 Bio Principles I
L1910L BIOL161 Bio Principles II
P1900L PHYS120 General Physics
P1901L PHYS110 Foundations of Physics
P1902L CHEM115 Foundations of Chemistry
P1902L CHEM120 Principles of Chemistry I
P1902L CHEM130 General Chemistry
P1903L CHEM110 Chemistry and Society
P1905L EASC111 Survey of Earth Science
P1905L EASC118 Introduction to Weather & Climate
P1906L PHYS114 Introduction to Astronomy
P1907 EASC250 Field Geology
P1907L EASC116 Introduction to Geology
P9900L PHYS110 Energy and Environment

HUMANITIES AND FINE ARTS (9 CREDIT HRS)
F1900 MUS150 Music Appreciation
F1901 MUS149 Introduction to Music Literature
F1904 MUS148 Introduction to Jazz
F1906 DANCE115 Appreciation of Dance
F1907 THRTRE110 Theatre Appreciation
F1907 THRTRE111 Modern Drama
F2900 ART110 Art Appreciation
F2901 ART150 Art History I
F2902 ART151 Art History II
F2904 ART142 The History of Photography
F2908 FILM110 Survey of Film
F2909 MCOMM224 History of Motion Pictures
F9900 HUMAN128 Art and Music
H1900 ARA211 Intermediate Modern Arabic IV
H1900 CHN211 Intermediate Mandarin Chinese IV
H1900 FR211 Intermediate French II
H1900 GER211 Intermediate German II
H1900 SPAN211 Intermediate Spanish II
H2906 HIST111 Early World Civilizations
H2907 HIST112 Modern World Civilizations
H3900 LIT110 Introduction to Literature
H3901 LIT111 The Short Story and the Novel
H3902 HUMAN129 Literature & Theatre
H3903 LIT117 Introduction to Poetry
H3905 LIT214 Shakespeare
H3906 LIT250 Masterpieces of Western Literature
H3908 LIT124 Non-Western Literature
H3909 LIT230 Russian Life and Literature from Czarist Period to Post-Soviet Union Period
H3910D LIT122 Literature of Ethnic America
H3911D LIT119 Women’s Literature
H3912 LIT212 British Literature: Beginnings to 1800
H3913 LIT213 British Literature: 1800 to the Present
H3914 LIT215 American Literature: Beginnings to 1865
H3915 LIT216 American Literature: 1865 to the Present
H4900 PHIL110 Introduction to Philosophy
H4904 PHIL115 Ethics
H4905 PHIL116 Philosophy of Religion
H4906 PHIL111 Logic
H5901 LIT120 The Bible as Literature
H5904N PHIL112 Comparative Religions
H9901 LIT115 Mythology
HF902 HUMAN123 Classical Humanities: Beginnings Through 1650
HF903 HUMAN124 Modern Humanities: 1650-1900
HF903 HUMAN125 Contemporary Humanities
HF904N INTST132 Latin American Humanities
HF904N INTST133 Cultures and Civilizations of Sub-Saharan Africa

SOCIAL AND BEHAVIORAL SCIENCE (9 CREDIT HRS)
S1900 SOC123 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 Macroeconomics
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 POLSC115 American National Government
S5901 POLSC119 State and Local Governments
S5903 POLSC120 Political Methods and Concepts
S5904 POLSC122 Intro to International Relations
S5905 POLSC124 Comparative Political Systems
S6900 PSY110 Introduction to Psychology
S6903 PSY202 Child and Adolescent Development
S6905 PSY220 Adulthood and Aging
S7900 SOC110 Introduction to Sociology
S7901 SOC114 Social Problems
S7902 SOC120 Marriage and the Family
S7903D SOC219 The Sociology of Race and Ethnicity in America
S8900 PSY210 Human Social Behavior
S8900 SOC218 Introduction to Social Psychology
S9900 INTST140 Global Issues
S9900 SSC111 Americans and Their Culture
Applying to Graduate

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, Arbor Hall; or ICC Pekin.

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

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**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 regarding participating in commencement. This postcard will provide you with instructions on registering to walk in the commencement ceremony and ordering your cap and gown. Go online to icc.edu/students/in-graduating for more information.

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

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

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
See page 275 for program mission, goals, and student learning outcomes.
**Accounting**

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

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

**ELECTIVE COURSES:**
- ACCOUNTING/BUSINESS ELECTIVE**  

* 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

See page 275 for program mission, goals, and student learning outcomes.
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 120 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
See page 275 for program mission, goals, and student learning outcomes.
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.

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
See page 275 for program mission, goals, and student learning outcomes.
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
AIT Building
Room 118
(309) 694-5171

AGRICULTURAL BUSINESS MANAGEMENT

GENERAL COURSES:

- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 112  COMMUNICATION**  3 CR. HRS.
- ENGL 115  SOCIAL SCIENCE*  3 CR. HRS.
- ENGL 117  MATHEMATICS***  3 CR. HRS.
- AGRI 112  BASIC SOILS  4 CR. HRS.
- AGRI 113  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 or AGRI 221  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
See page 275 for program mission, goals, and student learning outcomes.
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.

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

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, 116, 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 112; AGBUS 115; AGBUS 200; AGRI 121
4th Semester: AGBUS 211, AGBUS 214, AGRI 221, Elective
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
- COMMUNICATION**
- SOCIAL SCIENCE*
- MATHEMATICS***
- AGRI 112 BASIC SOILS
- HUMANITIES*

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

ELECTIVE COURSES:
- ELECTIVE****

* 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: AGBUS 112; 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
See page 275 for program mission, goals, and student learning outcomes.
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

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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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 agricultural 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
See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
## 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

### Architectural Construction 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:
- 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

See page 275 for program mission, goals, and student learning outcomes.
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

GENEAL COURSES:

- ARCH 131 ARCHITECTURAL CONSTRUCTION I 4 CR. HRS.
- ARCH 204 ARCHITECTURAL COMPUTER AIDED I 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
See page 275 for program mission, goals, and student learning outcomes.
Automotive Technology

**GENERAL COURSES:**
- ENGL 110  COMPOSITION I  3 CR. HRS.
- COMMUNICATION*  3 CR. HRS.
- SOCIAL SCIENCE  3 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- or AGBUS 118  AGRICULTURAL COMPUTATIONS  3 CR. HRS.
- AUTO 115  FUEL AND IGNITIONS SYSTEMS FOR GASOLINE ENGINES  4 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.
- AUTO 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 1: AUTO 129; AUTO 244
3rd Semester: AUTO 234; AUTO 201; AUTO 204; HUMANITIES; COMMUNICATION
4th Semester: AUTO 243; AUTO 213; AUTO 218; AUTO 250

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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

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.
- WELD 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; WELD 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

See page 275 for program mission, goals, and student learning outcomes.
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

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.
- 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 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 220 MATH AND SCIENCE IN EARLY CHILDHOOD 3 CR. HRS.
- CHILD 222 FINE ARTS AND SOCIAL STUDIES IN EARLY CHILDHOOD 3 CR. HRS.
- CHILD 225 GUIDING SOCIAL AND EMOTIONAL DEVELOPMENT IN EARLY CHILDHOOD 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.
- EDUC 211 INTRODUCTION TO THE EXCEPTIONAL INDIVIDUAL 3 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: ENGL 110, PSY 110, CHILD 110, CHILD 120, Mathematics
2nd Semester: CHILD 130; CHILD 132; CHILD 134; CHILD 140; CHILD 142
3rd Semester: CHILD 220; CHILD 222; CHILD 225; CHILD 232, COMM 110
4th Semester: CHILD 231; CHILD 235; CHILD 240, EDUC 211, Laboratory Science

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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

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
See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
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 CABLING I 4 CR. HRS.
- 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.
- 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)

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
**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

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**Clerk Typist**

**PROGRAM COURSES:**

- ACCTG 105 BOOKKEEPING/ACCOUNTING I 3 CR. HRS.
- BUS 100 PROFESSIONAL DEVELOPMENT
  FOR EMPLOYEES 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 205 FUNDAMENTALS OF RECORDS CONTROL 3 CR. HRS.
- TYPE 120 KEYBOARD/WORD PROCESSING I 3 CR. HRS.
- TYPE 121 KEYBOARD/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 100; BUS 120; TYPE 120; TYPE 121; OFACS 126
2nd Semester: OFOCC 111; OFOCC 114; OFOCC 205; TYPE 141; ACCTG 105; WP 161

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

See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
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:

- 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 130 LIGHT COMMERCIAL REFRIGERATION AND ICE MACHINES 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; ARCTK 119
2nd Semester: REACT 139; REACT 130; REACT 131
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
See page 275 for program mission, goals, and student learning outcomes.
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 BUSINESS MATHEMATICS or MATH 115 COLLEGE ALGEBRA 4 CR. HRS.

PROGRAM COURSES:
- CMPSC 115 CS I: 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 CS I: PROGRAMMING IN 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 CS III: 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.
- 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
See page 275 for program mission, goals, and student learning outcomes.
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

Computer Programming and Database Development

Program Courses:
- CMPSC 115 CS I: ESSENTIALS OF PROGRAMMING 3 CR. HRS.
- CMPSC 124 EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC 3 CR. HRS.
- CMPSC 125 CS I: PROGRAMMING IN C++
- CMPSC 135 CS II: PROGRAMMING IN JAVA 3 CR. HRS.
- CMPSC 140 INTRODUCTION TO RELATIONAL DATABASES 3 CR. HRS.
- CMPSC 212 CS II: ADVANCED PROGRAMMING IN C++
- CMPSC 235 CS III: 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.
- CMPSC 200 C# PROGRAMMING 3 CR. HRS.
- CMPSC 237 MOBILE APPLICATION PROGRAMMING 3 CR. HRS.

ELECTIVE COURSES:
- APPROVED ELECTIVE* 3 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; CMPSC 125 or CMPSC 135, Elective
3rd Semester: CMPSC 245; CMPSC 224; CMPSC 212 or CMPSC 235, CMPSC 237
4th Semester: CMPSC 265; CMPSC 270; CMPSC 200

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
Certificate
Total Credit Hours: 26

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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.

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.
- WELD 119 WELDING PROCESSES 3 CR. HRS.

Recommended Course Sequence:
1st Semester: MECTK 110; MECTK 138; MECTK 121; MECTK 106; MECTK 115
2nd Semester: MECTK 123; MECTK 125; WELD 119; MECTK 231
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
(309) 690-6836

Culinary Arts Management

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 125  BUSINESS COMMUNICATIONS
  or  COMM 110  COMMUNICATION: PROCESS AND PRACTICE  3 CR. HRS.
- ECONOMICS**  3 CR. HRS.
- BUS 120  BUSINESS MATHEMATICS
  or  APPROVED MATHEMATICS  3 CR. HRS.
- 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 MANGER  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
See page 275 for program mission, goals, and student learning outcomes.
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
- CA 150 PROFESSIONALCooking
- CA 151 ADVANCED SANITATION AND SAFETY
- CA 153 BAKING
- CA 155 MEAT, POULTRY, AND FISH
- CA 157 GARDE MANGER
- CA 211 FOODSERVICE MARKETING
- CA 212 FOODSERVICE COST CONTROL
- CA 213 BEVERAGE MANAGEMENT
- CA 215 FOODSERVICE NUTRITION AND MENU PLANNING
- ENGL 110 COMPOSITION I
- HOS 110 INTRODUCTION TO HOSPITALITY MANAGEMENT

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
See page 275 for program mission, goals, and student learning outcomes.
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 100 PROFESSIONAL DEVELOPMENT FOR EMPLOYEES  3 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 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; BUS 100; OFOCC 111
2nd Semester: BUS 121; MGMT 113; OFOCC 205; OFACS 132 or OFACS 211
3rd Semester: OFOCC 210; BUS 215
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 INTERNSHIP  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
See page 275 for program mission, goals, and student learning outcomes.
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 or other applicable state practice acts. Duties include cleaning teeth, exposing x-rays, providing oral healthcare instructions to patients, maintaining patient records, etc. Students receive extensive clinical experiences in the Illinois Central College Dental Hygiene Clinic and selected agencies. 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 IICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider. CPR certification 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 appropriate ENGL 110 prerequisites with a “C” or better. ACT composite score of 20 or above OR have completed 18 or more credit hours of college level courses (110 or higher) taken at ICC or equivalent courses at other colleges with a “C” or better which must include BIOL 140, BIOL 210, and CHEM 115. 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 IICC) 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” 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 PERIODONTOLOGY 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
2nd Semester: DHYGN 210; DHYGN 226; DHYGN 228; DHYGN 231; DHYGN 244; DHYGN 245; DHYGN 248
3rd Semester: DHYGN 230; DHYGN 231; DHYGN 232; DHYGN 246; DHYGN 247; DHYGN 249
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

See page 275 for program mission, goals, and student learning outcomes.
**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. Application forms, procedures and policies are available from the Program Coordinator. Applicants must submit separate application materials to 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.

**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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**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; 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

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

See page 275 for program mission, goals, and student learning outcomes.
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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.

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
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 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.
- 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
See page 275 for program mission, goals, and student learning outcomes.
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) 690-8898

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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.
- MATHEMATICS* 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

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

See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
Certify
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

E-Commerce

PROGRAM COURSES:
- ACCTG 105 BOOKKEEPING/ACCOUNTING I 3 CR. HRS.
- or ACCTG 120 FINANCIAL ACCOUNTING 4 CR. HRS.
- 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
See page 275 for program mission, goals, and student learning outcomes.
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
A/IT 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 AND TRIGONOMETRY 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
See page 275 for program mission, goals, and student learning outcomes.
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 FUNDAMENTALS OF VOICE AND DATA CABLING I 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 TRANSDUCERS 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
See page 275 for program mission, goals, and student learning outcomes.
Certificate
Total Credit Hours: 8

Program Information: The mission of the Emergency Medical Technician certificate program is to prepare graduates for licensure/certification and employment as an EMT by providing theoretical knowledge, practicing technical skills, simulation, and field practicums, and enhancing professional behaviors.

Accreditation: EMS Program courses are approved by the Illinois Department of Public Health, Division of Emergency Medical Systems and Highway Safety.

Admission To the Program: High school graduate or equivalent; ACT scores with a composite of 12 or higher (tested prior to October 28, 1989) or 16 or above (tested October 28, 1989 or later) are recommended; drug screen, criminal background check, physical examination and immunizations will be required following program acceptance.

To Remain in and Graduate From the Program: Students must attain a grade of “C” or better in the EMS 114 course in order to graduate from the program.

Contact Information:
Health Careers Department
(309) 999-4600 or icc.edu/healthcareers

Emergency Medical Technician (EMT)

PROGRAM COURSES:
EMS 114        EMERGENCY MEDICAL TECHNICIAN (EMT)        8 CR. HRS.

Recommended Course Sequence:
1st Semester: EMS 114

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 60

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

Finance

GENERAL COURSES:

- ENGL 110          COMPOSITION I
  or ENGL 125         BUSINESS COMMUNICATIONS 3 CR. HRS.
- COMM 110          COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 105          SURVEY OF ECONOMIC PRINCIPLES
  or ECON 110         PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- BUS 120           BUSINESS MATHEMATICS 3 CR. HRS.
- LABORATORY SCIENCE* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:

- ACCTG 120         FINANCIAL ACCOUNTING 4 CR. HRS.
- ACCTG 121         MANAGERIAL ACCOUNTING 4 CR. HRS.
- BANK 120          MONEY AND BANKING 3 CR. HRS.
- BANK 125          ANALYZING FINANCIAL STATEMENTS 3 CR. HRS.
- BUS 121           PRINCIPLES OF CUSTOMER SERVICE 3 CR. HRS.
- BUS 200           HUMAN RELATIONS IN BUSINESS 3 CR. HRS.
- BUS 215           LEGAL ENVIRONMENT OF BUSINESS 3 CR. HRS.
- BUS 220           INTRODUCTION TO BUSINESS FINANCE 3 CR. HRS.
- BUS 230           PRINCIPLES OF INVESTMENTS
  or BUS 260         FINANCE INTERNSHIP 3 CR. HRS.
- BUS 240           PERSONAL FINANCE 3 CR. HRS.
- CMGEN 120         COMPUTER APPLICATIONS
  or CMPSC 120       BUSINESS COMPUTER SYSTEMS 3 CR. HRS.
- MKTG 112          PRINCIPLES OF MARKETING 3 CR. HRS.
- MKTG 201          SALES 3 CR. HRS.

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

Recommended Course Sequence:
1st Semester: ENGL 110 or ENGL 125; BUS 120; ACCTG 120; Laboratory Science
2nd Semester: BUS 215; BUS 200; MKTG 201; ACCTG 121
3rd Semester: BANK 125; BUS 220; ECON 105 or ECON 110; BUS 121; BUS 240
4th Semester: BANK 120; MKTG 112; BUS 230 or BUS 260; CMGEN 120 or CMPSC 120; COMM 110

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

See page 275 for program mission, goals, and student learning outcomes.
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.
- MATHMATICS* 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**** 15 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
See page 275 for program mission, goals, and student learning outcomes.
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

See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 69

Program Information: The mission of the General Motors Automotive Service Education Program (GM-ASEP) Associate in Applied Science degree program is to prepare students for employment in the automotive repair industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and forward thinking skills to serve as the next generation of automotive technicians.

Additional Program Info: Students completing the program will meet approximately 80 percent of GM Service Training Standards. The program involves attending classroom lectures and participating in laboratory activities using General Motors products at Illinois Central College. In addition, the student will intern at a General Motors dealership or an AC Delco Professional Service Center four times. Upon graduation, the student will be prepared to assume a position as an entry-level dealer service technician in a General Motors dealership. During the course of study the students are encouraged to take the National Institute for Automotive Service Excellence (ASE) exams, an evaluation program that qualifies the student as a technician. Students must provide their own tools for use throughout the program of study.

Accreditation: Automotive Service Excellence (ASE) certified program

To Remain in and Graduate From the Program: Students must meet with an academic advisor prior to being accepted into the program. Their assigned academic advisor will plan a specific course schedule meeting Illinois Central College and personal requirements.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 118
(309) 694-5192
or (309) 694-5583

General Motors Automotive Service Educational Program (GM-ASEP)

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.
- ASE 221 INTERNAL COMBUSTION ENGINES 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.

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

* See specific requirements for Associate in Applied Science degree.

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

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

See page 275 for program mission, goals, and student learning outcomes.
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

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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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

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* 3-4 CR. HRS.
- ART 151 ART HISTORY II 3 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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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

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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

See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 63 to 64

Program Information: The mission of the Green Building Environment Associate in Applied Science degree program is to provide the student with the knowledge to work in the energy areas, the built environment, building management, and other jobs yet to be defined. The student will learn about the evolving and developing sustainability and green areas and how to become better stewards of the environment. After completing this program, graduates will be able to work as entry-level weatherization technicians, energy auditors, and indoor air quality technicians in residential and commercial buildings.

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.

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: Student must attain a grade of "C" or better 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 Hall
Room 9
(309) 694-8566

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 BUSINESS COMPUTER SYSTEMS or CMGEN 120 COMPUTER APPLICATIONS 3 CR. HRS.
- GRBCR 150 BUILDING ENVELOPE EVALUATION 3 CR. HRS.
- GRBE 110 INTRODUCTION TO GREEN BUILDING NEEDS 3 CR. HRS.
- GRBE 120 BUILDING ENERGY ANALYSIS 3 CR. HRS.
- GRBE 130 CENTRAL HEATING AND COOLING PLANT 3 CR. HRS.
- GRBE 140 INDOOR AIR QUALITY AND GREEN BUILDINGS 4 CR. HRS.
- GRBE 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: GRBE 110; GRBE 120; GRBCR 150; Laboratory Science/Mathematics; Humanities
3rd Semester: GRBE 130; GRBE 140; English; REACT 211; Social Science
4th Semester: GRBE 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

See page 275 for program mission, goals, and student learning outcomes.
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.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
Dirksen Hall
Room 09
(309) 694-8566

Green Building Environment

PROGRAM COURSES:

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

* Transfer students should take CMPSC 120

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

See page 275 for program mission, goals, and student learning outcomes.
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:

1st Semester: ENGL 110; Mathematics; AGRI 112; HORT 110; HORT 114
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
See page 275 for program mission, goals, and student learning outcomes.
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; Approved Electives
2nd Semester: AGRI 113; HORT 125; HORT 126; Approved Electives
Summer Semester 1: HORT 130; Approved Electives

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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
**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

See page 275 for program mission, goals, and student learning outcomes.
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 with 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

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.
- LABORATORY SCIENCE* 4 CR. HRS.
- MATHEMATICS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- ENGL 111 COMPOSITION II 3 CR. HRS.
- HUMSV 110 INTRODUCTION TO HUMAN SERVICES 3 CR. HRS.
- HUMSV 111 HUMAN SERVICES APPLICATIONS I 3 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 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
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 to acquire 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
See page 275 for program mission, goals, and student learning outcomes.
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
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 110; PHYSC 110; ENGL 125; COMM 110*

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

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

See page 275 for program mission, goals, and student learning outcomes.
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 web sites, 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
See page 275 for program mission, goals, and student learning outcomes.
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 4 CR. HRS.
- 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
See page 275 for program mission, goals, and student learning outcomes.
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

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**Interpreter Preparation**

**GENERAL COURSES:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110</td>
<td>COMPOSITION I</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>COMM 110</td>
<td>COMMUNICATION: PROCESS AND PRACTICE</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td></td>
<td>SOCIAL SCIENCE*</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td></td>
<td>LABORATORY SCIENCE/MATHEMATICS*</td>
<td>7 CR. HRS.</td>
</tr>
<tr>
<td></td>
<td>HUMANITIES*</td>
<td>3 CR. HRS.</td>
</tr>
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**PROGRAM COURSES:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPP 110</td>
<td>AMERICAN SIGN LANGUAGE I</td>
<td>4 CR. HRS.</td>
</tr>
<tr>
<td>IPP 111</td>
<td>AMERICAN SIGN LANGUAGE II</td>
<td>4 CR. HRS.</td>
</tr>
<tr>
<td>IPP 112</td>
<td>AMERICAN SIGN LANGUAGE III</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 115</td>
<td>DEAF CULTURE I</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 118</td>
<td>AMERICAN SIGN LANGUAGE: FINGERSPELLING AND NUMBERING I</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>IPP 120</td>
<td>INTRODUCTION TO INTERPRETING</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>IPP 121</td>
<td>PRACTICAL AND ETHICAL APPLICATIONS OF INTERPRETING</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 210</td>
<td>AMERICAN SIGN LANGUAGE IV</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 211</td>
<td>AMERICAN SIGN LANGUAGE V</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 216</td>
<td>OCCUPATIONAL INTERPRETING</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 220</td>
<td>INTERPRETING I</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 221</td>
<td>INTERPRETING II</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 230</td>
<td>VOICE INTERPRETING I</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 231</td>
<td>VOICE INTERPRETING II</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>IPP 260</td>
<td>INTERPRETING INTERNSHIP</td>
<td>3 CR. HRS.</td>
</tr>
</tbody>
</table>

* 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

See page 275 for program mission, goals, and student learning outcomes.
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/transliterating 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
See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
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 CRJ 201 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

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
See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
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

See page 275 for program mission, goals, and student learning outcomes.
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: 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 16 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.

To Remain in and Graduate From the Program: Maintain a grade of "C" or better in all required program courses.

Recommended High School Subjects: (1) three years of English (2) one year of biology (3) two years of mathematics, including one year of algebra.

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  9 CR. HRS.
- PRNRS 111  PRACTICAL NURSING II  12 CR. HRS.
- PRNRS 112  PRACTICAL NURSING III  5 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; 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

See page 275 for program mission, goals, and student learning outcomes.
LPN to RN Completion Program

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.
- 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 PHARMAOLOGY 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 an 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
See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 63

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

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 S 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.
- WELD 119 WELDING PROCESSES 3 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; WELD 119; MECTK 231; MECTK 204
4th Semester: MACTR 124; MECTK 232; WELD 119; Humanities/Fine Arts; NCTK 210

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
Certificate

Total Credit Hours: 34

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:
- 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.
- MAT 106 APPLIED ALGEBRA, GEOMETRY AND TRIGONOMETRY 4 CR. HRS.
- MECTK 138 MANUFACTURING PROCESSES I 3 CR. HRS.
- MECTK 232 MATERIALS SCIENCE AND PHYSICAL METALLURGY 3 CR. HRS.
- NCTK 110 INTRODUCTION TO NUMERICAL CONTROL SYSTEMS 1 CR. HR.
- NCTK 210 FUNDAMENTALS OF NUMERICAL CONTROL PROGRAMMING 2 CR. HRS.
- NCTK 212 CNC MACHINE OPERATION I 2 CR. HRS.
- NCTK 214 N/C MACHINING, MILL 2 CR. HRS.
- PHYS 104 PRE-TECHNICAL PHYSICS 4 CR. HRS.

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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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 fulltime 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 or COMM 110 BUSINESS COMMUNICATIONS
  or COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 105 or ECON 110 SURVEY OF ECONOMIC PRINCIPLES
  or 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
  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 or CMPSC 120 COMPUTER APPLICATIONS
  or 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

For the most up-to-date program requirements, go online to the College catalog: www.icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 68

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. This form is available in the Student Service Center, L211.

Contact Information:
Business, Hospitality, and Information Systems Department
East Peoria Campus
Technology Center
Room 206
(309) 6945558

Management - Supply Chain Management

GENERAL COURSES:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 125 BUSINESS COMMUNICATIONS or COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- ECON 105 SURVEY OF ECONOMIC PRINCIPLES 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. 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 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 or 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 OPERATIONS MANAGEMENT 3 CR. HRS.
- SCM 233 PROJECT MANAGEMENT 3 CR. HRS.
- SCM 234 STRATEGIC PLANNING 2 CR. HRS.

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

* See specific requirements for the 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

See page 275 for program mission, goals, and student learning outcomes.
Certificate
Total Credit Hours: 27 to 28

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
Technology Center
Room 205
(309) 694-5558

Management of Supply Chain

PROGRAM COURSES:
- ELECTIVES* 6-7 CR. HRS.
- MKTG 112 PRINCIPLES OF MARKETING 3 CR. HRS.
- MGMT 211 MANAGING THE SUPPLY CHAIN 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 OPERATIONS MANAGEMENT 3 CR. HRS.
- SCM 233 PROJECT MANAGEMENT 3 CR. HRS.
- SCM 234 STRATEGIC PLANNING 2 CR. HRS.

* 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
See page 275 for program mission, goals, and student learning outcomes.
**Associate in Applied Science**

**Total Credit Hours:** 60 to 63

**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 bachelors 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

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**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:**

- MATHEMATICS*                                 3-5 CR. HRS.
- MECTK 110  INTRODUCTION TO THE TOOLS OF TECHNOLOGY
  or MACTR 110  PRINT READING MECHANICAL       3 CR. HRS.
- MECTK 115  PRINCIPLES OF DIMENSIONAL METROLOGY 2 CR. HRS.
- MECTK 121  INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD
  or MECTK 125  3-D MODELING WITH PROENGINEER  4 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.
- WELD 119  WELDING PROCESSES                3 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 106 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; WELD 119
3rd Semester: MECTK 204; MECTK 231; PHYS 113; Technical Elective(s); Social Science
4th Semester: MECTK 226; MECTK 232; Humanities; ENGL 201; Technical Elective(s)

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

See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 64 to 65

Program Information: The mission of the Associate in Applied Science Marketing/Sales and Retail Management 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 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

See page 275 for program mission, goals, and student learning outcomes.
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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 68

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

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Mechanical Engineering Technology

General Courses:
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 201 TECHNICAL COMMUNICATIONS 3 CR. HRS.
- MATH 137 SOCIAL SCIENCE* 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 113 TECHNICAL PHYSICS II 4 CR. HRS.
- WELD 119 WELDING PROCESSES 3 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; WELD 119; PHYS 112; MATH 137; Humanities
3rd Semester: MECTK 231; MECTK 221; MECTK 204; MECTK 125; PHYS 113
4th Semester: MECTK 220; MECTK 222; MECTK 201; MECTK 232; ENGL 201
## 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 maintenance 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

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. HR.
- 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; 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
Certificate

Total Credit Hours: 41

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 multiskilled 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 conducts accrediting activities designed to ensure that educational programs meet minimum entry level criteria. CAAHEP grants accreditation of medical assisting programs upon the recommendations of the Medical Assisting Education Review Board. Graduates from this CAAHEP-accredited medical assisting program are eligible to take the CMA (AAMA) Certification Exam.

Admission To the Program: High school graduate 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 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. (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 See page 275 for program mission, goals, and student learning outcomes.
Certificate

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 examination, 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

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.
- **Med 112** MEDICAL OFFICE COMPUTER SKILLS** 1 CR. HR.
- **Med 115** INTRODUCTION TO ICD-10-CM AND ICD-10-PCS CODING 3 CR. HRS.
- **Med 117** INTRODUCTION TO CURRENT PROCEDURAL TERMINOLOGY (CPT) CODING 2 CR. HRS.
- **Med 118** CODING INTERNESHIP*** 2 CR. HRS.
- **Med 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; Med 112; HEOCC 220
2nd Semester: BIOL 206; HEOCC 112; Med 117; HEOCC 200
Summer Semester 1: Med 115
3rd Semester: Med 120
4th Semester: Med 118

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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

Medical Corpsman to Practical Nurse

PROGRAM COURSES:

- PRNRS 160  MEDICAL CORPSMAN TO PRACTICAL NURSE TRANSITION COURSE  6 CR. HRS.

Recommended Course Sequence:
1st Semester: PRNRS 160
Medical Laboratory Technician

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 **
  or BIOL 205 Principles of Human Anatomy and Physiology I ** 4 CR. HRS.
  and BIOL 206 Principles of Human Anatomy and Physiology II ** 4 CR. HRS.
- BIOL 210 Microbiology 4 CR. HRS.
- Humantities/Fine Arts * 3 CR. HRS.

Program Courses:

- CHEM 120 Principles of Chemistry I 3 CR. HRS.
- CHEM 121 Principles of Chemistry II 4 CR. HRS.
- CHEM 132 General Chemistry 4 CR. HRS.
- MLT 101 Intro to Medical Laboratory Science ** 1 CR. HRS.
  and MLT 102 Introduction to General Medical Laboratory Techniques * 2 CR. HRS.
- MLT 115 Fundamentals of Urinalysis and Body Fluids 3 CR. HRS.
- MLT 116 Fundamentals of Immunology and Serology 2 CR. HRS.
- MLT 210 Fundamentals of Hematology and Hemostasis 3 CR. HRS.
- MLT 214 Fundamentals of Clinical Chemistry 2.5 CR. HRS.
- MLT 216 Fundamentals of Immunohematology 4 CR. HRS.
- MLT 218 Fundamentals of Clinical Microbiology 3 CR. HRS.
- MLT 220 Advanced Clinical Hematology 2 CR. HRS.
- MLT 224 Advanced Clinical Chemistry 2 CR. HRS.
- MLT 222 Applied Clinical Experience I 4 CR. HRS.
- MLT 228 Advanced Clinical Microbiology 2.5 CR. HRS.
- MLT 230 Professional Seminar 2 CR. HRS.
- MLT 232 Applied Clinical Experience II 5 CR. HRS.

* See specific requirements for the Associate in Applied Science Degree.
** Underscored 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; MLT 102; or MLT 110
2nd Semester: CHEM 122 or CHEM 132; BIOL 210; COMM 110; PSY 110; MLT 101, MLT 102; or MLT 110
Summer Semester MLT 115; MLT 116; MLT 110
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 cooperation 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).

- MEDLBI 125 HISTOLOGY I: GENERAL TECHNIQUES 8 SEM. HRS.
- MEDLBI 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

See page 275 for program mission, goals, and student learning outcomes.
Certificate

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 book-keeping, ordering equipment and supplies, and completing medical forms. This program is a 9 month 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 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 prealgebra with a grade of "C" average or higher OR completion of MAT 092 with a grade of "C" or better OR placement into MAT 094 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. (Deadline for providing proof of current CPR certification is December 1st of the programs fall semester).

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

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

Medical Office Administrative Assistant

Program Courses:

- BIOL 106 HUMAN BIOLOGY ** 4 CR. HRS.
- or BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY ** 4 CR. HRS.
- BUS 100 PROFESSIONAL DEVELOPMENT FOR EMPLOYEES ** 3 CR. HRS.
- ENGL 125 BUSINESS COMMUNICATIONS ** 3 CR. HRS.
- HEOCC 112 INTRODUCTION TO PHARMACOLOGY ** 2 CR. HRS.
- HLTH 121 MEDICAL TERMINOLOGY ** 2 CR. HRS.
- MEDO 110 MEDICAL ASSISTANT ADMINISTRATIVE SKILLS* 4 CR. HRS.
- MEDO 112 MEDICAL OFFICE COMPUTER SKILLS* 2 CR. HRS.
- MEDO 122 MEDICAL OFFICE ADMINISTRATIVE PRACTICUM* 3 CR. HRS.
- TYPE 120 KEYBOARD/WORD PROCESSING I ** 3 CR. HRS.

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

** Underlined courses may be completed prior to admission into program.

Recommended Course Sequence:
1st Semester: MEDO 110; MEDO 112; ENG 125; TYPE 120
2nd Semester: MEDO 122; BIOL 106 or BIOL 140; HLTH 121; HEOCC 112; BUS 100

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

See page 275 for program mission, goals, and student learning outcomes.
**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
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
See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
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 205
(309) 694-5558

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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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.

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.

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

Nursing Assistant

PROGRAM COURSES:
- HLTH 112  NURSING ASSISTANT TRAINING  5 CR. HRS.
- HLTH 116  NURSE ASSISTANT: ALZHEIMER  1 CR. HR.

Recommended Course Sequence:
1st Semester: HLTH 112; HLTH 116
Associate in Applied Science

Total Credit Hours: 66 to 71

Program Information: The mission of the Associate in Applied Science Occupational Therapy Assistant Degree Program at Illinois Central College is to effectively provide education and resources within theory, laboratory, and fieldwork experiences to prepare graduates for a successful career in occupational therapy service delivery and to begin generalist practice as an entry-level occupational therapy assistant.

Additional Program Information: The certified occupational therapy assistant collaborates with the supervising occupational therapist to provide the use of occupations (everyday life activities) with individuals and/or groups across the life span. These occupations include ADLs (activities of daily living), IADLS (instrumental activities of daily living), education, work, rest, sleep, play, and social participation. Occupational therapy assistants provide services that will promote health, wellbeing, participation and engagement in occupation throughout one’s lifespan. Occupational therapy assistants apply a holistic approach and recognize the significance of the mind, body and spirit as they focus on areas of physical, cognitive, psychosocial and sensory impairment. The occupational therapy assistant may be employed in a variety of traditional and emerging practice settings. These practice settings may include but are not limited to: hospitals, skilled nursing facilities, outpatient facilities, schools, community-based health agencies, behavioral health programs, and home health agencies.

Accreditation: The Occupational Therapy Assistant Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-3122. ACOTE’s telephone number c/o AOTA is (301) 652-6AOTA. Graduates of the program will be eligible for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). Questions will be asked related to the topic of felonies. NBCOT contact information is 800 S. Frederick Ave., Suite 500, Gaithersburg MD 20877-4150, (301) 990-7979. After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). Credentialing is a function of the NBCOT, not Illinois Central College or the American Occupational Therapy Association.

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 math with a grade of "C" average or higher OR completion of an equivalent college level course with a grade of "C" or better. One year high school science with a grade of "C" average or higher OR completion of an equivalent college level course with a grade of "C" or better. 12 hours of documented observation in two different Occupational Therapy practice settings.

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

Recommended High School Subjects: (1) three years of English (2) two years of science (3) two years of mathematics (4) one year of keyboarding (5) one year art

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

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.
- MATHEMATICS * 3-4 CR. HRS.
- BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY ** 4 CR. HRS.
- or BIOL 205 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I ** 4 CR. HRS.
- and BIOL 206 PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II ** 4 CR. HRS.
- HUMANITIES * 3 CR. HRS.

PROGRAM COURSES:

- HEOCC 200 DISEASE PROCESSES IN MAN *** 3 CR. HRS.
- CHILD 120 HUMAN GROWTH AND DEVELOPMENT *** 3 CR. HRS.
- or PSY 202 CHILD AND ADOLESCENT DEVELOPMENT *** 3 CR. HRS.
- OTA 110 FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT 4 CR. HRS.
- OTA 111 OCCUPATIONAL THERAPY PROCESS FOR INDIVIDUALS AND GROUPS 4 CR. HRS.
- OTA 112 MENTAL HEALTH AND FUNCTION ACROSS THE LIFESPAN 4 CR. HRS.
- OTA 114 TASK ANALYSIS, ASSISTIVE TECHNOLOGY AND THERAPEUTIC MEDIA FOR THE OCCUPATIONAL THERAPY ASSISTANT 4 CR. HRS.
- OTA 118 APPLICATIONS OF ANATOMY AND KINESIOLOGY IN THE OCCUPATIONAL THERAPY PROCESS 4 CR. HRS.
- OTA 210 OCCUPATIONAL THERAPY PROCESS AND INTERVENTIONS IN PEDIATRICS 4 CR. HRS.
- OTA 211 OCCUPATIONAL THERAPY PROCESS AND INTERVENTIONS FOR PHYSICAL DYSFUNCTION ACROSS THE LIFE SPAN 4 CR. HRS.
- OTA 212 OCCUPATIONAL THERAPY ASSISTANT FIELDWORK PRACTICE IPEDIATRICS 5 CR. HRS.
- OTA 213 OCCUPATIONAL THERAPY ASSISTANT PRACTICE II – ACROSS THE LIFE SPAN 5 CR. HRS.
- OTA 220 MANAGEMENT AND ADMINISTRATION FOR THE OTA 3 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; OTA 110; OTA 111; OTA 118
2nd Semester: PSY 110; HEOCC 200; OTA 112; OTA 114
Summer Semester 1: CHILD 120 or PSY 202; COMM 110; Mathematics
3rd Semester: ENGL 110; 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

See page 275 for program mission, goals, and student learning outcomes.
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 the Business, Hospitality, and Information Systems department for information regarding the TYPE 120 placement exam and the TYPE 121 proficiency exam.

Contact Information:
Business, Hospitality, and Information Systems Department
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.
- 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. HRS.
- OFOCC 210 ADMINISTRATIVE OFFICE PROCEDURES 3 CR. HRS.

Recommended Course Sequence:
1st Semester: OFOCC 111; OFACS 133; 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
See page 275 for program mission, goals, and student learning outcomes.
## 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.
- **BUS 100**: PROFESSIONAL DEVELOPMENT FOR EMPLOYEES 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 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; BUS 100; 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**

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

See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
Paralegal

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.
- BUS 120 BUSINESS MATHEMATICS 3 CR. HRS.
  or
- MATHEMATICS**** 3 CR. HRS.
- HUMANITIES** 3 CR. HRS.

PROGRAM COURSES:
- CMGEN 120 COMPUTER APPLICATIONS 3 CR. HRS.
  or
- CMPSC 120 BUSINESS COMPUTER SYSTEMS 3 CR. HRS.
- CRJ 225 CRIMINAL LAW 3 CR. HRS.
- CRJ 230 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
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 from the college or university granting the degree to Enrollment Services, L211. Student must submit a separate application for the Paralegal Certificate Program to the Program Coordinator before gaining admission to the program. The form is available from the Program Coordinator at ICC North, Poplar Hall 117, by calling (309) 690-7691 or online at http://paralegal.icc.edu. At least 30 percent of the total program of study must be completed at Illinois Central College. 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

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. HR.
- 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 118; PRLGL 260; Approved Electives

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
Paramedic

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

**PROGRAM COURSES:**
- EMS 114 EMERGENCY MEDICAL TECHNICIAN (EMT) 8 CR. HRS.
- EMS 116 TRAUMA LIFE SUPPORT 1 CR. HR.
- EMS 117 ADVANCED CARDIAC LIFE SUPPORT (ACLS) 1 CR. HR.
- EMS 118 PEDIATRIC EDUCATION FOR PREHOSPITAL PROVIDERS (PEPP) 1 CR. HR.
- EMS 120 EMT PRACTICUM 1-3 CR. HRS.
- EMS 230 PARAMEDIC I 7 CR. HRS.
- EMS 231 PARAMEDIC II 7 CR. HRS.
- EMS 232 PARAMEDIC III 7.5 CR. HRS.
- EMS 233 PARAMEDIC IV 6.5 CR. HRS.
- EMS 240 PARAMEDIC PRACTICUM I 3 CR. HRS.
- EMS 241 PARAMEDIC PRACTICUM II 3 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
Summer Semester 2: EMS 240; EMS 241

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
Personal/Fitness Trainer

**GENERAL COURSES:**
- ENGL 110 COMPOSITION I 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- COMM 120 INTERPERSONAL COMMUNICATION 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATH 110 CONCEPTS OF MATHEMATICS 3 CR. HRS.
- CHEM 115 FOUNDATIONS OF CHEMISTRY 4 CR. HRS.
- 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.
- PHYED 116 INTRODUCTION TO RECREATION 3 CR. HRS.
- or PHYED 236 SCIENTIFIC BASIS OF HUMAN MOVEMENT 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 205 FITNESS AND WELLNESS 2 CR. HRS.
- PHYED 276 PERSONAL TRAINING FIELD EXPERIENCE 3 CR. HRS.
- PHYED 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, PHYED 116, 140, 145, 149, 162, 168, 169, 180, 181, 182, 183, 236

Recommended Course Sequence:
1st Semester: ENGL 110; MATH 110; PHYED 136; FCS 120; PHYED 205; Humanities
2nd Semester: HLTH 150; PHYED 175; BIOL 140; COMM 110 or 120; Social Science
Summer Semester 1: PHYED 176
3rd Semester: HLTH 120; CHEM 115; PHYED 116 or PHYED 236
4th Semester: Approved Electives; PHYED 276; PHYED 277

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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

See page 275 for program mission, goals, and student learning outcomes.
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 4 CR. HRS.
- or BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY or higher
- or higher
- MLT 112 PHLEBOTOMY CLINICAL PRACTICUM 2 CR. HRS.
- HEOCC 114 INTRODUCTION TO INTERDISCIPLINARY HEALTH CARE 4 CR. HRS.
- or MEDO 110 MEDICAL ASSISTANT ADMINISTRATIVE SKILLS** 4 CR. HRS.
- or MEDO 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

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

See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
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 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

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.
- 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

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

See page 275 for program mission, goals, and student learning outcomes.
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

Printed

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
See page 275 for program mission, goals, and student learning outcomes.
Certificate
Total Credit Hours: 7

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 in a manufacturing facility.

Additional Program Info: This certificate program of study provides minimum coursework and laboratory practice for individuals gaining MIG (GMAW) welding skills required by local employers for entry-level production welding skills. Students focus on the theory and practice associated with production welding in a manufacturing setting. Student will be required to provide their own personal safety equipment and welding hood.

Contact Information:
Agricultural and Industrial Technologies Department
East Peoria Campus
AIT Building
Room 203
(309) 694-5171 or
(309) 694-5510

Production Welder

PROGRAM COURSES:
- WELD 111 WELDING BLUEPRINT READING 3 CR. HRS.
- WELD 113 WELDING THEORY GMAW 1 CR. HR.
- WELD 131 SEMI-AUTOMATIC ARC WELDING 1 CR. HR.
- WELD 135 ADVANCED INDUSTRIAL SEMIAUTOMATIC ARC WELDING (GMAW) 1 CR. HR.
- WELD 150 WELD CERTIFICATION PREPARATION AND TESTING 1-5 CR. HRS.

Recommended Course Sequence:
1st Semester: WELD 111, WELD 113, WELD 131, WELD 135, WELD 150

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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. HEOCC 200 Disease Processes in Man 3; HEOCC 220 Legal Issues in Health Care 1; HLTH 121 Medical Terminology or HLTH 120 First Aid 2; HEOCC 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

PROGRAM COURSES:

- HLTH 121 MEDICAL TERMINOLOGY *
- RADTK 110 FUNDAMENTALS OF RADIOGRAPHY I
- RADTK 112 FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE ORIENTATION
- RADTK 120 FUNDAMENTALS OF RADIOGRAPHY II
- RADTK 121 FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE I
- RADTK 200 RADIOGRAPHY I
- RADTK 201 FUNDAMENTALS OF RADIOGRAPHY, DIRECTED PRACTICE II
- RADTK 210 RADIOGRAPHY II
- RADTK 211 RADIOGRAPHY, DIRECTED PRACTICE III
- RADTK 220 RADIOGRAPHY III
- RADTK 221 RADIOGRAPHY, DIRECTED PRACTICE IV
- RADTK 230 RADIOGRAPHY IV
- RADTK 231 RADIOGRAPHY, DIRECTED PRACTICE V
- RADTK 260 SECTIONAL ANATOMY FOR DIAGNOSTIC IMAGING
- RADTK 270 PATHOLOGY AND PHARMACOLOGY FOR THE IMAGING PROFESSIONAL
- RADTK 280 COMPUTED TOMOGRAPHY PRINCIPLES, INSTRUMENTATION AND IMAGING PROCEDURES

* 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 111 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
See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 71

Program Information: The mission of the Associate in Applied Science Registered Nurse degree is to effectually provide educational resources within theory, laboratory, and clinical experiences to prepare graduates for a successful professional nursing career as a Registered Nurse.

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 nursing information 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 of credit from other institutions: transfer courses comparable to the courses listed under "General Courses" may be accepted toward meeting the requirements of the ICC Nursing Program. No transfer credit is accepted for vocational sequence program requirement courses, nor is credit given for work experience. Qualified Practical Nurse graduates may be given advanced standing through proficiency examinations and by applying for the bridge program. To receive a "C" or better grade, the student must (1) maintain a grade average of 75% or better; (2) demonstrate satisfactory clinical performance and meet all clinical requirements in each course with a clinical practicum and (3) meet all course requirements within specified time limits.

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 ENG 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) or taken at ICC or equivalent courses at other colleges with a grade of "C" or better. ICC grade point average (GPA) of a 2.5 or above (if you have attended ICC). GPA of 2.5 or above at the last college attended (other than ICC) OR 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 within the last five years with a "C" average or higher OR 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 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.

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.
- 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 *** 4 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 210; ENGL 110; RNRS 150; RNRS 110; RNRS 210; HLTH 121
2nd Semester: BIOL 206; 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)

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

See page 275 for program mission, goals, and student learning outcomes.
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. Respiratory care personnel are instrumental in life support and emergency measures. The respiratory care practitioners must be experts in providing specialized and selective therapeutic respiratory care such as medical gas administration, humidity and aerosol medication administration, cardiopulmonary resuscitation, and ventilatory support. The respiratory care practitioner must also be capable of performing pulmonary function studies, blood gas analysis and other related physiologic monitoring. The respiratory care practitioners (advanced-practice therapist) specializes in the application of scientific knowledge and theory to practical clinical problems of respiratory care. The advanced-practice respiratory therapist is qualified to assume primary clinical responsibility for all respiratory care modalities, including responsibilities involved in supervision of respiratory therapy technician functions. Further, the advanced-practice therapist is capable of serving as a technical resource person to the physician with regard to current practices in respiratory care and to the hospital staff in regard to effective and safe methods of administering respiratory therapy. The advanced-practice respiratory therapist program is a 21-month program. Graduates of the program receive an Associate in Applied Science (A.A.S.) degree and 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 English 110 or higher 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.

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
Thomas Building
(309) 999-4600

Respiratory Therapist

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.
- 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.
- HUM 111 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 II 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. HRS.
- HLTH 121 MEDICAL TERMINOLOGY ** 2 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY ** 3 CR. HRS.
- HEOCC 114 INTRODUCTION TO INTERDISCIPLINARY HEALTH CARE ** 1 CR. HRS.
- HLTH 108 ELECTROCARDIOGRAM INTERPRETATION 1 CR. HRS.
- RESP 127 CARDIOPULMONARY DISEASES 3 CR. HRS.
- RESP 201 INTRODUCTION TO MECHANICAL VENTILATION 1 CR. HRS.
- 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. 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: 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 206; Humanities
4th Semester: SOC 110; RESP 231; RESP 235; RESP 240; HLTH 108; HEOCC 114

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.

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

See page 275 for program mission, goals, and student learning outcomes.
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
(309) 690-6836

Restaurant Management

GENERAL COURSES:

- ENGL 110          COMPOSITION I                                                               3 CR. HRS.
- ENGL 125          BUSINESS COMMUNICATIONS
  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 215               FOODSERVICE NUTRITION AND MENU PLANNING   3 CR. HRS.
- CA 217               INTRODUCTION TO CATERING                                     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.
- ECON 105, 110, or 111

Recommended Course Sequence:
1st Semester: CA 150; CA 151; ENGL 110; BUS 120; HOS 110
2nd Semester: CA 212; CA 213; HLTH 120; BUS 215
Summer Semester 1: CMGEN 120
3rd Semester: CA 215; CA 211; CA 217; MGMT 205; 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

See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 62

Program Information: The mission of the Secure Software Associate in Applied Science program is to prepare students for employment in secure software development by educating them in the fundamental concepts of computer programming, software assurance, and database development.

Additional Program Info: Program requires students to spend specific 8 week blocks of time working successfully at the sponsoring employer’s place of business.

Contact Information:
Business, Hospitality, and Information Systems
Julie Howar, Dean
East Peoria Campus
(309) 694-5558
julie.howar@icc.edu
or
Doug Peterson, Teaching Chair, Computer Science
East Peoria Campus
(309) 694-5296
dpeterson@icc.edu

Secure Software Development

GENERAL COURSES:

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

PROGRAM COURSES:

- CMPSC 115 CS I: ESSENTIALS OF PROGRAMMING 3 CR. HRS.
- CMPSC 122 INTRODUCTION TO COMPUTER SECURITY 3 CR. HRS.
- CMPSC 135 CS II: PROGRAMMING IN JAVA 3 CR. HRS.
- CMPSC 140 INTRODUCTION TO RELATIONAL DATABASES 3 CR. HRS.
- CMPSC 200 C# PROGRAMMING 3 CR. HRS.
- CMPSC 222 SECURE CODING 3 CR. HRS.
- CMPSC 235 CS III: ADVANCED PROGRAMMING IN JAVA 3 CR. HRS.
- CMPSC 237 MOBILE APPLICATION PROGRAMMING 3 CR. HRS.
- CMPSC 245 STRUCTURED QUERY LANGUAGE 3 CR. HRS.
- CMPSC 262 INTRODUCTION TO ASSURED SOFTWARE ENGINEERING 3 CR. HRS.
- CMPSC 265 DATABASE ADMINISTRATION 3 CR. HRS.
- CMPSC 270 STRUCTURED SYSTEM ANALYSIS 3 CR. HRS.

ELECTIVE COURSES:

- APPROVED ELECTIVES** 6 CR. HRS.

* See specific requirements for an Associate in Applied Science degree.
** Electives should come from the CMPSC, CMCIS, CMNET, CMWEB, or CMGEN prefixes, and should be approved by the department prior to enrollment.

Recommended Course Sequence:
1st Semester: CMPSC 115, CMPSC 122, CMPSC 135, CMPSC 140, English
2nd Semester: CMPSC 222, CMPSC 235, Communication; MATH 115 or BUS 120; Approved Elective
3rd Semester: CMPSC 200; CMPSC 245; CMPSC 262; Laboratory Science; Social Science
4th Semester: CMPSC 237; CMPSC 265; CMPSC 270; Humanities; Approved Elective
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 4 CR. HRS.
- 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
See page 275 for program mission, goals, and student learning outcomes.
Certificate
Total Credit Hours: 27

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 09
(309) 694-8566

Solar Thermal Heating Systems

PROGRAM COURSES:

- ARCTK 119 BLUEPRINT READING CONSTRUCTION 1 CR. HR.
- DECON 101 INTRODUCTION TO DECONSTRUCTION 1 CR. HR.
- DECON 102 DECONSTRUCTION METHODS AND MATERIALS 2 CR. HRS.
- EERE 130 SOLAR THERMAL HEATING SYSTEMS I 4 CR. HRS.
- EERE 135 SOLAR THERMAL HEATING SYSTEMS II 4 CR. HRS.
- REACT 110 INTRODUCTION TO REFRIGERATION 4 CR. HRS.
- REACT 118 ELECTRICITY AS IT APPLIES TO HVAC/R 4 CR. HRS.
- REACT 120 RESIDENTIAL FURNACES 4 CR. HRS.
- REACT 122 RESIDENTIAL HYDRONIC SYSTEMS 3 CR. HRS.

Recommended Course Sequence:
1st Semester: REACT 110; REACT 118; DECON 101; DECON 102
2nd Semester: REACT 120; ARCTK 119
3rd Semester: REACT 122; EERE 130
4th Semester: EERE 135

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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 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

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**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  ** 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; HEOCC 114; COMM 110
- Summer Semester 1: SURTK 122
- 3rd Semester: SURTK 210; BIOL 210; SOC 110
- 4th Semester: SURTK 211; PSY 110; Humanities

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

See page 275 for program mission, goals, and student learning outcomes.
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

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

See page 275 for program mission, goals, and student learning outcomes.
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
See page 275 for program mission, goals, and student learning outcomes.
### Web Designer

**Certification**

**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

### Program Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CMWEB 110</td>
<td>HTML AND ADVANCED INTERNET</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>CMWEB 115</td>
<td>WRITING FOR THE WWW</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>CMWEB 120</td>
<td>BUILDING WEB PAGES WITH HTML AND CSS</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>CMWEB 130</td>
<td>WEB TECHNOLOGY AND BUSINESS</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>CMWEB 135</td>
<td>BUSINESS USE OF SOCIAL MEDIA</td>
<td>3 CR. HRS.</td>
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<tr>
<td>CMWEB 150</td>
<td>WEB ACCESSIBILITY</td>
<td>3 CR. HRS.</td>
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<tr>
<td>CMWEB 155</td>
<td>WEB USER EXPERIENCE DESIGN</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>CMWEB 160</td>
<td>SCRIPTING FOR WEB DESIGNERS</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>CMWEB 220</td>
<td>WEB SITE DEVELOPMENT WITH CSS</td>
<td>3 CR. HRS.</td>
</tr>
</tbody>
</table>

**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

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

See page 275 for program mission, goals, and student learning outcomes.
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 3 CR. HRS.
- CMPSC 115 CS I: ESSENTIALS OF PROGRAMMING 3 CR. HRS.
- CMPSC 124 EVENTDRIVEN PROGRAMMING IN VISUAL BASIC 3 CR. HRS.
- CMPSC 125 CS I: PROGRAMMING IN C++ 3 CR. HRS.
- CMPSC 135 CS II: 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 3 CR. HRS.
- 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
See page 275 for program mission, goals, and student learning outcomes.
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

Web Systems

GENERAL COURSES:
- ENGL 110 COMPOSITION I
  or ENGL 125 BUSINESS COMMUNICATIONS
  or ENGL 201 TECHNICAL COMMUNICATIONS
  3 CR. HRS.
- COMMUNICATION*
  3 CR. HRS.
- SOCIAL SCIENCE*
  3 CR. HRS.
- MATHEMATICS/LABORATORY SCIENCE ***
  3-4 CR. HRS.
- BUS 120 BUSINESS MATHEMATICS
  or CMGEN 123 COMPUTER MATHEMATICS
  3 CR. HRS.
- HUMANITIES*
  3 CR. HRS.

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 135 BUSINESS USE OF SOCIAL MEDIA
  3 CR. HRS.
- CMWEB 140 ELECTRONIC COMMERCE
  3 CR. HRS.
- CMWEB 150 WEB ACCESSIBILITY
  3 CR. HRS.
- CMWEB 160 SCRIPTING FOR WEB DESIGNERS
  or CMPSC 115 CS I: ESSENTIALS OF PROGRAMMING
  or CMPSC 124 EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC
  or CMPSC 125 CS I: PROGRAMMING IN C++
  or CMPSC 135 CS II: 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 225 FLASH FUNDAMENTALS AND ACTIONSCRIPT
  3 CR. HRS.
- CMWEB 235 RICH INTERNET APPLICATIONS WITH FLEX AND AJAX**
  or CMWEB 115 WRITING FOR THE WWW**
  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**
  or CMWEB 155 WEB USER EXPERIENCE DESIGN**
  3 CR. HRS.
- CMWEB 260 WEB INTERNSHIP
  3 CR. HRS.
- CMWEB 270 WEB APPLICATION SECURITY
  3 CR. HRS.
- CMWEB 280 WEB PAGE DEVELOPMENT FOR MOBILE DEVICES
  3 CR. HRS.
- CMWEB 290 WEB SERVER ADMINISTRATION
  3 CR. HRS.

* 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.
*** 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.

Recommended Course Sequence:
1st Semester: BUS 120 or CMGEN 123; CMWEB 110; CMWEB 135; CMWEB 150; ENGL 110 or ENGL 125 or ENGL 201
2nd Semester: CMWEB 120; CMWEB 130; CMWEB 160 or CMPSC 115 or CMPSC 124 or CMPSC 125 or CMPSC 135; Mathematics/Laboratory Science; CMWEB 140
Summer Semester 1: Communication
3rd Semester: CMWEB 200; CMWEB 220; CMWEB 280; CMWEB 290; CMWEB 235 or CMWEB 115
4th Semester: CMWEB 240 or CMWEB 241; CMWEB 250 or CMWEB 155; CMWEB 260; CMWEB 225; CMWEB 270
Summer Semester 2: Humanities; Social Science

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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

See page 275 for program mission, goals, and student learning outcomes.
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.
- 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

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

See page 275 for program mission, goals, and student learning outcomes.
Certificate

Total Credit Hours: 12 to 16

Program Information: The Welding Operator certificate program prepares students with entry-level skills in the major commercial welding processes, SMAW and GMAW. With welding skills in both processes, completers of the Welding Operator certificate might seek entry-level welder positions in the construction as well as the manufacturing industry. All courses required for the Production Welder certificate program are included in the Welding Operator program.

Additional Program Info: The Welding Operator certificate consists of twelve (12) semester hours of instruction. Upon completion of this program, the graduate is prepared for entry-level employment as a manufacturing production or construction apprentice welder.

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

<table>
<thead>
<tr>
<th>PROGRAM COURSES:</th>
<th>CR. HRS.</th>
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<tbody>
<tr>
<td>WELD 111 WELDING BLUEPRINT READING</td>
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<tr>
<td>WELD 112 WELDING THEORY-SMAW</td>
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<td>WELD 113 WELDING THEORY-GMAW</td>
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<td>WELD 121 STICK WELDING I</td>
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<td>WELD 131 SEMI-AUTOMATIC ARC WELDING</td>
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<td>WELD 135 ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW)</td>
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<td>WELD 150 WELD CERTIFICATION PREPARATION AND TESTING</td>
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<td>WELD 161 MAINTENANCE WELDING</td>
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Recommended Course Sequence:

WELD 111; WELD 112; WELD 113; WELD 121; WELD 131; WELD 122; WELD 135; WELD 150; WELD 161

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

See page 275 for program mission, goals, and student learning outcomes.
Certificate
Total Credit Hours: 27-30

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 twenty-seven (27) credit hours of study and can be completed by the full-time student in two semesters. It provides additional welding skill, as well as enrichment in related areas such as fabrication and machine trades. The graduate is prepared for entry-level employment as a production, maintenance welder, or construction trades apprentice.

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

Welding Specialist

PROGRAM COURSES:
- MACTR 121 MACHINE TOOL OPERATION I 3 CR. HRS.
- WELD 111 WELDING BLUEPRINT READING 3 CR. HRS.
- WELD 112 WELDING THEORY-SMAW 1 CR. HR.
- WELD 113 WELDING THEORY-GMAW 1 CR. HR.
- WELD 121 STICK WELDING I 1 CR. HR.
- WELD 122 STICK WELDING II 1 CR. HR.
- WELD 131 SEMI-AUTOMATIC ARC WELDING 1 CR. HR.
- WELD 135 ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW) 1 CR. HR.
- WELD 141 GAS TUNGSTEN ARC WELDING 1 CR. HRS.
- WELD 150 WELD CERTIFICATION PREPARATION AND TESTING 1-5 CR. HRS.
- WELD 161 MAINTENANCE WELDING 2 CR. HRS.
- WELD 163 WELD FABRICATION WITH THE GMAW PROCESS 2 CR. HRS.
- WELD 210 WELDING EQUIPMENT MAINTENANCE AND OPERATION 3 CR. HRS.
- WELD 223 STICK WELDING III 1 CR. HR.
- WELD 230 WELD TESTING 3 CR. HRS.
- WELD 263 WELD FABRICATION WITH THE SMAW PROCESS 2 CR. HRS.

Recommended Course Sequence:
1st Semester: WELD 111; WELD 112; WELD 113; WELD 121; WELD 131; WELD 122; WELD 135; WELD 150; MACTR 121; WELD 161
2nd Semester: WELD 141; WELD 163; WELD 223; WELD 210; WELD 230; WELD 263

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
Associate in Applied Science

Total Credit Hours: 61 to 65

Program Information: The Welding Technology Associate in Applied Science degree program is to prepare students with skill and knowledge to develop welding processes, trouble-shoot equipment, part and quality problems as welding engineering technicians for industry. The degree requirements include all the technical courses included in the Welding Specialist certificate as well as engineering technology courses and general education courses required for an associate in applied science degree.

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) 694-5171 or (309) 694-5510

Welding Technology

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

PROGRAM COURSES:
- MACTR 121 MACHINE TOOL OPERATION I 3 CR. HRS.
- MECTK 121 INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD 3 CR. HRS.
- MECTK 226 STATISTICS AND QUALITY CONTROL 3 CR. HRS.
- MECTK 232 MATERIALS SCIENCE AND PHYSICAL METALLURGY 3 CR. HRS.
- NCTK 110 INTRODUCTION TO NUMERICAL CONTROL SYSTEMS 1 CR. HR.
- NCTK 212 CNC MACHINE OPERATION I 2 CR. HRS.
- WELD 111 WELDING BLUEPRINT READING 3 CR. HRS.
- WELD 112 WELDING THEORY-SMAW 1 CR. HR.
- WELD 113 WELDING THEORY-GMAW 1 CR. HR.
- WELD 121 STICK WELDING I 1 CR. HR.
- WELD 122 STICK WELDING II 1 CR. HR.
- WELD 131 SEMI-AUTOMATIC ARC WELDING 1 CR. HR.
- WELD 135 ADVANCED INDUSTRIAL SEMI-AUTOMATIC ARC WELDING (GMAW) 1 CR. HR.
- WELD 141 GAS TUNGSTEN ARC WELDING 1 CR. HR.
- WELD 150 WELD CERTIFICATION PREPARATION AND TESTING 1-5 CR. HRS.
- WELD 161 MAINTENANCE WELDING 2 CR. HRS.
- WELD 163 WELD FABRICATION WITH THE GMW PROCESS 2 CR. HRS.
- WELD 210 WELDING EQUIPMENT MAINTENANCE AND OPERATION 3 CR. HRS.
- WELD 223 STICK WELDING III 1 CR. HR.
- WELD 230 WELD TESTING 3 CR. HRS.
- WELD 240 WELD ENGINEERING TECHNOLOGY 3 CR. HRS.
- WELD 263 WELD FABRICATION WITH THE SMAW PROCESS 2 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: English; WELD 111; WELD 112; WELD 113; WELD 121; WELD 122; WELD 131; WELD 135; WELD 161
2nd Semester: Laboratory Science/Mathematics; WELD 141; WELD 163; WELD 223; WELD 210; MACTR 121
3rd Semester: Communication; Humanities; Laboratory Science/Mathematics; MECTK 121; WELD 230; WELD 263
4th Semester: Social Science; NCTK 110; NCTK 212; MECTK 226; MECTK 232; WELD 240

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
See page 275 for program mission, goals, and student learning outcomes.
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

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

The Associate in Arts degree is designed to provide students with the foundation for transferring to a four-year college or university. The degree requires a minimum of 60 credit hours; approximately 40 of those hours are in general education coursework. (See page 2 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 2. 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 Arts

Total Credit Hours: 60 to 64

Program Information: The Accountancy program of study is designed for the student who plans to pursue a career in accounting after completion of a bachelor's degree program. Upon completion of the degree at Illinois Central College, most of the general education requirements at most state universities in Illinois will have been met as well as the usual accounting and business courses found in the typical first two years of a bachelor's degree. Public accounting, private accounting, managerial accounting, cost and governmental accounting are a sampling of the areas in which the student may specialize after transferring to a four-year bachelor's degree.

Additional Program Info: This degree program is offered online. Please contact the Virtual Campus Office for more information. (309) 694-8888 or 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
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 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES 4 CR. HRS.
- LIFE SCIENCE/PHYSICAL SCIENCE* 7 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.
- APPROVED ELECTIVES** 6 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Approved Electives: BUS 110, 111; CMPSC 120; MATH 115

Recommended Course Sequence:
1st Semester: ENGL 110; COMM 110; Life Science; Humanities; Approved Elective
2nd Semester: ENGL 111; MATH 135; Social Science; Fine Arts; Approved Elective
3rd Semester: ACCTG 120; BUS 215; ECON 110; Physical Science
4th Semester: ACCTG 121; BUS 203; ECON 111; Humanities/Fine Arts

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

Total Credit Hours: 60 to 64

Program Information: Students who have a strong interest in mathematics and business should investigate the Actuarial Science field of study. Actuaries use mathematical, statistical, and economic models to design, price, finance, and operate benefit plans which protect people from risks of injury, illness, death, property damage, and the loss of income due to unemployment or retirement. A required background in calculus, accounting, and economics can be acquired at Illinois Central College.

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

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

Actuarial Science

GENERAL COURSES:
- 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.
- ECON 111 PRINCIPLES OF MICROECONOMICS 3 CR. HRS.
- SOCIAL SCIENCE* 3 CR. HRS.
- LIFE SCIENCE/PHYSICAL SCIENCE 7 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 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.
- CMPSC 125 or ENGR 230 CS I: PROGRAMMING IN C++ PROGRAMMING ENGINEERING APPLICATIONS 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.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: MATH 222; ENGL 110; Life Science; Social Science
2nd Semester: MATH 223; ENGR 230 or CMPSC 125; ENGL 111; Physical Science; Fine Arts
3rd Semester: MATH 224; COMM 110 or COMM 212; ACCTG 120; ECON 110; Humanities
4th Semester: MATH 230; ACCTG 121; ECON 111; Humanities/Fine Arts; Electives

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

Total Credit Hours: 60 to 64

Program Information: This program of study is designed to satisfy requirements for the first two years at the University of Illinois Urbana-Champaign School of Architecture. Students who complete this sequence and are admitted to the University of Illinois typically enter as juniors.

Additional Program Info: Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. For students planning to transfer to UIUC three years of High School or three semesters of college Foreign Language, Calculus/Physics and Western/World Civilization must be completed prior to transfer.

Admission To the Program: Suggested high school courses should include four years of high school mathematics, two to three years of foreign language, one laboratory science, and one year of architectural drafting or art.

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

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 II** 5 CR. HRS.
- PHYS 120 GENERAL PHYSICS 5 CR. HRS.
- LIFE SCIENCE* 34 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 of 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
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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
Associate in Arts
Total Credit Hours: 60 to 64

Program Information: The Business Administration area of study is for students intending to transfer to a four-year institution to pursue a bachelor’s degree in business-oriented fields such as general management, marketing, advertising, finance, and production management. Students have obtained successful business careers with firms such as Caterpillar Inc., General Electric, 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 icc.edu/VirtualCampus.

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

Contact Information:
Business, 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 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 INTRODUCTION TO BUSINESS or BUS 111 INTERNATIONAL BUSINESS 3 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.

Recommended Course Sequence:
1st Semester: ACCTG 120; BUS 110 or BUS 111; ENGL 110; MATH 135
2nd Semester: ACCTG 120; BUS 110 or BUS 111; ENGL 110; MATH 135
3rd Semester: BUS 215; ECON 110; Humanities/Fine Arts; Physical Science
4th Semester: BUS 203; COMM 110; ECON 111; Life Science; Humanities

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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
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 or SSC 111 AMERICAN NATIONAL GOVERNMENT OR AMERICANS AND THEIR CULTURE 3 CR. HRS.
- SOCIAL SCIENCE* 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 or MKTG 112 INTRODUCTION TO BUSINESS OR PRINCIPLES OF MARKETING 3 CR. HRS.
- COMM 115 or COMM 120 INTRODUCTION TO PUBLIC RELATIONS OR INTERPERSONAL COMMUNICATION 3 CR. HRS.
- COMM 113 or COMM 204 BUSINESS AND PROFESSIONAL SPEAKING OR INTERCULTURAL COMMUNICATION 3 CR. HRS.
- COMM 203 or COMM 248 COMMUNICATION: GROUP DYNAMICS OR 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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
Associate in Arts
Total Credit Hours: 60 to 64

Program Information: This area of study is designed for people planning to transfer to a four-year college or university for completion of a baccalaureate degree in Computer Science with an Information Systems emphasis. The baccalaureate degree prepares the student for careers in computer programming, systems analysis, and (with experience) management positions in computer information systems.

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

Contact Information:
Business, 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 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 115 CS I: ESSENTIALS OF PROGRAMMING
  or CMPSC 125 CS I: PROGRAMMING IN C++ 3 CR. HRS.
- CMPSC 135 CS II: PROGRAMMING IN JAVA
  or CMPSC 212 CS II: ADVANCED PROGRAMMING IN C++ 3 CR. HRS.
- MATH 115 COLLEGE ALGEBRA 4 CR. HRS.
- MATH 135 CALCULUS FOR BUSINESS
  AND SOCIAL SCIENCES 4 CR. HRS.
- APPROVED ELECTIVE** 3 CR. HRS.

* See specific requirements for Associate in Arts Degree.
** Approved Elective should be selected from CMPSC or CMWEB.

Recommended Course Sequence:
1st Semester: ENGL 110; ECON 110; MATH 115; CMPSC 120; CMPSC 115 or 125
2nd Semester: ENGL 111; ECON 111; MATH 135; CMPSC 135 or 212; COMM 110
3rd Semester: ACCTG 120; Physical Science; Fine Arts; Humanities
4th Semester: MATH 122; Life Science; Humanities/Fine Arts; Social Science;
Approved Elective

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
## Associate in Arts

**Total Credit Hours:** 60 to 64

**Program Information:** This area of study is designed for people planning to transfer to a four-year college or university for completion of a baccalaureate degree in Computer Science with Technical Emphasis. The baccalaureate degree prepares the student for careers in computer programming, software design, and (with experience) management positions in software development.

**To Remain in and Graduate From the Program:**
Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. Transfer requirements at four-year colleges vary widely making meeting with an advisor imperative.

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

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## 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.
- **MATH 122** DISCRETE MATHEMATICS I 9 CR. HRS.
- **MATH 122** GENERAL CHEMISTRY 3 CR. HRS.
- **CHEM 130** LIFE SCIENCE* 4 CR. HRS.
- **FINE ARTS*** 3 CR. HRS.
- **HUMANITIES*** 3 CR. HRS.
- **HUMANITIES/FINE ARTS*** 3 CR. HRS.

### PROGRAM COURSES:

- **CMPSC 115** CS I: ESSENTIALS OF PROGRAMMING 3 CR. HRS.
- **CMPSC 125** CS I: PROGRAMMING IN C++ 3 CR. HRS.
- **CMPSC 135** CS II: PROGRAMMING IN JAVA 3 CR. HRS.
- **CMPSC 212** CS II: ADVANCED PROGRAMMING IN C ++ 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.
- **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 115 or 125; CHEM 130
2nd Semester: ENGL 111; MATH 223; CMPSC 135 or 212; PHYS 211
Summer Semester 1: Social Science
3rd Semester: COMM 110; Humanities; Social Science; MATH 224
4th Semester: MATH 122; Humanities/Fine Arts; Life Science; Social Science; Fine Arts

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
Associate in Arts
Total Credit Hours: 60 to 64

Program Information: This area of study is designed for students intending to prepare for a career in the criminal justice field. The area of study may prepare the student for employment in some areas of the field; however, many of the employment opportunities in the criminal justice field require a four-year degree. Students desiring to transfer should work very closely with their advisors.

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

Admission To the Program: Students must complete basic skills placement testing before admission into this program. Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended.

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

Contact Information:
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.
- LIFE SCIENCE/PHYSICAL SCIENCE* 7 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 130 INTRODUCTION TO INVESTIGATION 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 Arts Degree.
** Suggested electives: CRJ 111, 112, 121, 227, 230, 250

Recommended Course Sequence:
1st Semester: CRJ 110; CRJ 118; SOC 110; ENGL 110; POLSC 119
2nd Semester: CRJ 114; ENGL 111; PSY 110; Fine Arts; CRJ 130
Summer Semester 1: COMM 110
3rd Semester: POLSC 115; SOC 210; Humanities; Life Science; Elective
4th Semester: CRJ 225; Humanities/Fine Arts; Mathematics; Physical Science

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

Dance

GENERAL COURSES:
- ENGL 110  COMPOSITION I  3 CR. HRS.
- ENGL 111  COMPOSITION II  3 CR. HRS.
- COMMUNICATIONS*  3 CR. HRS.
- SOCIAL SCIENCE*  9 CR. HRS.
- MATHEMATICS*  3 CR. HRS.
- LIFE SCIENCE/PHYSICAL SCIENCE*  7 CR. HRS.
- DANCE 115  APPRECIATION OF DANCE  3 CR. HRS.
- HUMANITIES*  3 CR. HRS.
- 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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
Associate in Arts
Total Credit Hours: 60 to 64

Program Information: The Economics area of study is designed for students transferring to a four-year college or university for completion of a baccalaureate degree. Students should concentrate on building a strong foundation in mathematics, the social sciences, and the humanities.

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

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

Contact Information:
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 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- PHYSICAL SCIENCE* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- FINE ARTS* 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 111 INTERNATIONAL BUSINESS 3 CR. HRS.
- BUS 203 BUSINESS STATISTICS 4 CR. HRS.
- MATH 111 GENERAL EDUCATION STATISTICS or MATH 211 STATISTICAL ANALYSIS 4 CR. HRS.
- COMPUTER COURSE (TRANSFER) 3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; MATH 135; Social Science; Physical Science
2nd Semester: BUS 203; COMM 110; ENGL 111; Fine Arts; Life Science
3rd Semester: ACCTG 120; BUS 111; ECON 110; Computer Course (Transfer); Humanities
4th Semester: ACCTG 121; ECON 111; MATH 111 or MATH 211; Humanities/Fine Arts

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
Associate in Arts
Total Credit Hours: 60 to 64

Program Information: Requirements for admissions to four-year colleges and universities vary a great deal. However, Illinois Central College has articulated requirements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts Degree. Hence, students who comply with the terms of such articulation agreements may expect to complete baccalaureate requirements within the same period of time as if they had spent their entire academic career on the campus of the institution to which they transfer.

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

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

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.
- MATH 115  COLLEGE ALGEBRA  4 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 AMERICAN MUSIC  3 CR. HRS.
- or  MUS 150  MUSIC APPRECIATION  3 CR. HRS.

PROGRAM COURSES:
- EDUC 111  INTRODUCTION TO AMERICAN EDUCATION  3 CR. HRS.
- EDUC 212  FIELD EXPERIENCE IN EDUCATION  2 CR. HRS.
- EDUC 213  DIVERSE LEARNERS IN THE CLASSROOM  3 CR. HRS.
- PSY 200  EDUCATIONAL PSYCHOLOGY  3 CR. HRS.
- PSY 202  CHILD AND ADOLESCENT DEVELOPMENT  3 CR. HRS.
- MATH 190  MATHEMATICAL REASONING FOR THE ELEMENTARY TEACHER I  3 CR. HRS.
- or  MATH 200  MATHEMATICS FOR ELEMENTARY TEACHERS I  4 CR. HRS.
- MATH 201  MATHEMATICS FOR ELEMENTARY TEACHERS II  3 CR. HRS.

ELECTIVE COURSES:
- CHILD 231  LITERATURE FOR CHILDREN

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; PSY 110; EDUC 111; Life Science (BIOL); ART 110
2nd Semester: ENGL 111; PSY 202; INTST 132 or INTST 133; EDUC 212; MATH 115
3rd Semester: COMM 110; HIST 201 or HIST 202; MATH 190 or MATH 200; EDUC 213; CHILD 231
4th Semester: MUS 148 or MUS 150; POLSC 115; MATH 201; Physical Science; PSY 200

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
**Associate in Arts**

**Total Credit Hours:** 60 to 64

**Program Information:** Requirements for admission to four-year colleges and universities vary a great deal. However, Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts Degree. Hence, students who comply with the terms of such articulation agreements may expect to complete baccalaureate requirements within the same period of time as if they had spent their entire academic career on the campus of the institution to which they transfer.

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

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

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**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.
- INTST 132  LATIN AMERICAN HUMANITIES  3 CR. HRS.
  or  INTST 133  CULTURES AND CIVILIZATIONS OF SUB-SAHARAN AFRICA  3 CR. HRS.
- FINE ARTS*  3 CR. HRS.
- HUMANITIES/FINE ARTS*  3 CR. HRS.
- EDUC 213  DIVERSE LEARNERS IN THE CLASSROOM  3 CR. HRS.

**PROGRAM COURSES:**

- EDUC 212  FIELD EXPERIENCE IN EDUCATION  2 CR. HRS.
- EDUC 213  DIVERSE LEARNERS IN THE CLASSROOM  3 CR. HRS.
- PSY 200  EDUCATIONAL PSYCHOLOGY  3 CR. HRS.
- PSY 202  CHILD AND ADOLESCENT DEVELOPMENT  3 CR. HRS.
- MATHEMATICS**  3-4 CR. HRS.

**ELECTIVE COURSES:**

- ELECTIVES**  3-5 CR. HRS.

* See specific requirements for Associate in Arts Degree.

** Second math course can come from either Group 1 or Group 2.

**Recommended Course Sequence:**

1st Semester: ENGL 110; PSY 110; EDUC 111; POLSC 115; Fine Arts
2nd Semester: ENGL 111; INTST 132 or INTST 133; EDUC 212; Life Science; PSY 202
3rd Semester: COMM 110; HIST 201 or HIST 202; Humanities/Fine Arts; Mathematics; Physical Science
4th Semester: EDUC 213; PSY 200; Mathematics; Electives

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For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
## Associate in Arts

**Total Credit Hours:** 60 to 64

**Program Information:** Requirements for admission to four-year colleges and universities vary greatly. Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts Degree.

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

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

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### Education (Special)

**GENERAL COURSES:**

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<td>ENGL 111</td>
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<td>INTRODUCTION TO PSYCHOLOGY</td>
<td>3 CR. HRS.</td>
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<td>AMERICAN HISTORY TO 1877</td>
<td>3 CR. HRS.</td>
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<tr>
<td>or HIST 202</td>
<td>AMERICAN HISTORY SINCE 1877</td>
<td>3 CR. HRS.</td>
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<td>POLSC 115</td>
<td>AMERICAN NATIONAL GOVERNMENT</td>
<td>3 CR. HRS.</td>
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<td>BIOL 110</td>
<td>LIFE SCIENCE</td>
<td>4 CR. HRS.</td>
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<td>PHYSICAL SCIENCE*</td>
<td>4 CR. HRS.</td>
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<td>MATHEMATICS (Group I)*</td>
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<td>HUMANITIES*</td>
<td>3 CR. HRS.</td>
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<tr>
<td></td>
<td>FINE ARTS*</td>
<td>3 CR. HRS.</td>
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<td>HUMANITIES/FINE ARTS*</td>
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</tr>
<tr>
<td>PSY 200</td>
<td>EDUCATIONAL PSYCHOLOGY</td>
<td>3 CR. HRS.</td>
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<tr>
<td>PSY 202</td>
<td>CHILD AND ADOLESCENT DEVELOPMENT</td>
<td>3 CR. HRS.</td>
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**ELECTIVE COURSES:**

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<tbody>
<tr>
<td></td>
<td>ELECTIVES</td>
<td>3-5 CR. HRS.</td>
</tr>
</tbody>
</table>

*Course selection depends on discipline and transfer institution

**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 202
3rd Semester: COMM 110; Mathematics; Physical Science; EDUC 213; 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
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

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

### 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 THE SHORT STORY AND THE NOVEL 3 CR. HRS.

**ELECTIVE COURSES:**
- ELECTIVE 1 CR. HRS.

** See specific requirements for Associate in Arts degree.
** Serves as a Humanities course requirement.
*** Must be a 200-level Literature course.

Recommended Course Sequence:
1st Semester: ENGL 110; Foreign Language I; PSY 110; Mathematics; Humanities; Life Science
2nd Semester: ENGL 111; Foreign Language II; Physical Science; LIT 110 or LIT 111
3rd Semester: Intermediate Foreign Language I; Social Science; COMM 110; Literature; Science
4th Semester: Intermediate Foreign Language II; Social Science; Literature, Fine Arts
ASSOCIATE IN ARTS

Total Credit Hours: 60 to 64

Program Information: 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 4 CR. HRS.
  or INTERMEDIATE FOREIGN LANGUAGE II 4 CR. HRS.
- ELEMENTARY FOREIGN LANGUAGE I 4 CR. HRS.
  or INTERMEDIATE FOREIGN LANGUAGE I 4 CR. HRS.
  or SECOND FOREIGN LANGUAGE 4 CR. HRS.
- INTERMEDIATE FOREIGN LANGUAGE II* 4 CR. HRS.
  or SECOND FOREIGN LANGUAGE I 4 CR. HRS.
- SOCIAL SCIENCE 6 CR. HRS.

ELECTIVE COURSES:
- ELECTIVE 1 CR. HR.

* 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
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.
- MATHEMATICS* 3 CR. HRS.
- LIFE SCIENCE* 3-4 CR. HRS.
- PHYSICAL SCIENCE* 3-4 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 120 DRAWING I 3 CR. HRS.
- GRDSN 240 ADVANCED GRAPHIC DESIGN I 3 CR. HRS.
- GRDSN 140 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.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: GRDSN 140; ART 111; ENGL 110; Communication; MM 140
2nd Semester: GRDSN 142; 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 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.
- PHIL 110 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
**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

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**Interior Design**

**GENERAL COURSES:**

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<td>ENGL 111</td>
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<td>ART HISTORY II</td>
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<tr>
<td>K SOCIAL SCIENCE*</td>
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<td>3 CR. HRS.</td>
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<tr>
<td>K MATHEMATICS*</td>
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<td>3 CR. HRS.</td>
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<tr>
<td>K LIFE SCIENCE*</td>
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<td>3-4 CR. HRS.</td>
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<tr>
<td>K PHYSICAL SCIENCE*</td>
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<td>3-4 CR. HRS.</td>
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</tbody>
</table>

**PROGRAM COURSES:**

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<tr>
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<th>Credit Hours</th>
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<tr>
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<tr>
<td>INDSN 141</td>
<td>HISTORY OF FURNITURE AND FURNISHINGS</td>
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<tr>
<td>MKTG 112</td>
<td>PRINCIPLES OF MARKETING</td>
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</tr>
<tr>
<td>ART ELECTIVE</td>
<td>or</td>
<td>3 CR. HRS.</td>
</tr>
</tbody>
</table>

* * 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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
Associate in Arts
Total Credit Hours: 60 to 64

Program Information: The International Business area of study is designed to provide the initial requisite background in business, integrating foreign language as a complementary cross-cultural skill. After completing the Associate of Science degree at Illinois Central College, the student may complete a bachelor's degree in International Business or related area at a senior institution, with the goal of employment with a multinational corporation and possible foreign assignment. Students enrolled in this sequence could be considering jobs in marketing, management, public relations, banking, foreign service, exporting and importing, and other related work.

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

Admission To the Program: Students are advised to check on foreign language requirements at senior institutions. Many institutions require students to have completed the 200 level of a foreign language.

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

Contact Information:
Business 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 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.
- CMPSC 120 BUSINESS COMPUTER SYSTEMS 3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; BUS 111; COMM 110; Fine Arts; Life Science
2nd Semester: CMPSC 120; ENGL 111; MATH 135; Humanities
3rd Semester: ACCTG 120; ECON 110; BUS 215; Social Science; Humanities/Fine Arts
4th Semester: ACCTG 121; ECON 111; BUS 203; Physical Science

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
**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.
- HIST 118 MODERN WESTERN CIVILIZATION 3 CR. HRS.
- POLSC 122 INTRODUCTION TO INTERNATIONAL RELATIONS 3 CR. HRS.
- POLSC 124 COMPARATIVE POLITICAL SYSTEMS 3 CR. HRS.
- PHIL 112 COMPARATIVE RELIGIONS 3 CR. HRS.
- PHYSICAL SCIENCE* 3-4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- INTERMEDIATE FOREIGN LANGUAGE II** 4 CR. HRS.

**PROGRAM COURSES:**
- GEOG 116 GEOGRAPHY OF THE DEVELOPING WORLD 3 CR. HRS.
- HIST 111 EARLY WORLD CIVILIZATIONS 3 CR. HRS.
- HIST 112 MODERN WORLD CIVILIZATIONS 3 CR. HRS.
- INTST 130 THE SOCIETY AND CULTURE OF CHINA 3 CR. HRS.
- INTST 134 INTRODUCTION TO MIDDLE EASTERN CULTURES 3 CR. HRS.
- INTST 132 LATIN AMERICAN HUMANITIES 3 CR. HRS.
- INTST 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; INTST 132 or INTST 133
3rd Semester: PHIL 112; POLSC 122; ECON 110; Life Science; INTST 130 or INTST 134
4th Semester: GEOG 116; HIST 111 or HIST 112; Physical Science; Fine Arts; Elective

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

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### 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
Associate in Arts

Total Credit Hours: 60 to 64

**Program Information:** The Liberal Arts area of study is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. This course sequence intends to provide a strong, general foundation in the humanities. It provides breadth in a variety of disciplines rather than aiming at depth in any one. This area of study is especially appropriate for students who have as their educational goals: (1) transferring to a liberal arts college, (2) undecided plans for a major in transferring to any senior college or university, (3) a desire to understand more thoroughly the underlying principles of individual and social behavior in the environment.

**To Remain in and Graduate From the Program:** Students enrolled in the Associate in Arts degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. This degree program is also offered online. Please contact the Virtual Campus Office for more information, (309) 694-8888, or icc.edu/Virtual Campus.

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

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**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
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
Associate in Arts

Total Credit Hours: 60 to 64

Program Information: A student planning to prepare for a career in computer science, mathematics teaching at the high school level, or as a research technician will essentially earn a major in mathematics. Many mathematics majors choose to take considerable work (possibly even a second major) in an applied field such as chemistry, physics, economics, accounting, computer programming, etc. By studying in an applied area along with mathematics, students strengthen their employability, especially in industry or at a research facility. Many courses of study at Illinois Central College leading to four-year degrees require considerable mathematics. For example, the suggested courses of study for engineering, physics, and chemistry all include a minimum of three semesters of calculus. For students in accounting and business administration, a one-year sequence of mathematics is required.

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

Contact Information:
Math, Science, and Engineering Department
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
  or COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- SOCIAL SCIENCE 9 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- LIFE SCIENCE/PHYSICAL SCIENCE 7 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++
  or ENGR 230 PROGRAMMING ENGINEERING APPLICATIONS 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.
- MATH 250 DIFFERENTIAL EQUATIONS 3 CR. HRS.

ELECTIVE COURSES:

- ELECTIVE 3-4 CR. HRS.

* See specific requirements for Associate in Arts Degree.

Recommended Course Sequence:
1st Semester: MATH 222; ENGL 110; Life Science; Social Science
2nd Semester: MATH 223; ENGR 230 or CMPSC 125; ENGL 111; 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
### 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
**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.
- ONE PERFORMANCE ORGANIZATION***  4 CR. HRS.
- MUS 110  CLASS PIANO ****  2 CR. HRS.
- MUS 170  THEORY I  3 CR. HRS.
- MUS 171  THEORY II  3 CR. HRS.
- MUS 180  MUSICIANSHIP I  1 CR. HR.
- MUS 181  MUSICIANSHIP II  1 CR. HR.
- MUS 270  THEORY III  3 CR. HRS.
- MUS 271  THEORY 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
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
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
  3 CR. HRS.
  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

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

** Recomended 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
Associate in Arts

Total Credit Hours: 60 to 64

Program Information: Requirements for admission to four-year colleges and universities vary a great deal. Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts degree.

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

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

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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.
- BIOL 111 THE BIOLOGY OF MAN 4 CR. HRS.
- CHEM 110 CHEMISTRY AND SOCIETY 4 CR. HRS.
- MATH 134 FINITE MATH 4 CR. HRS.
- PHIL 110 INTRODUCTION TO PHILOSOPHY 3 CR. HRS.
- PHIL 111 LOGIC 3 CR. HRS.
- FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:

- BIOL 150 GENETICS 3 CR. HRS.
- PSY 112 PERSONALITY 3 CR. HRS.
- PSY 202 CHILD AND ADOLESCENT DEVELOPMENT 3 CR. HRS.
- PSY 210 HUMAN SOCIAL BEHAVIOR 3 CR. HRS.
- PSY 225 ABNORMAL PSYCHOLOGY 3 CR. HRS.
- PSY 250 INTRODUCTION TO RESEARCH METHODS IN THE BEHAVIORAL SCIENCES 3 CR. HRS.
- ELECTIVE** 3 CR. HRS.

* See specific requirements for Associate in Science Degree.
** Social Science Electives: PSY 112, 115, 118, 200, 215, 220; SOC 120, 210

Recommended Course Sequence:
1st Semester: ENGL 110; CHEM 110; PSY 110; PHIL 110
2nd Semester: ENGL 111; SOC 110; PSY 202; PSY 112; MATH 134
3rd Semester: COMM 110; PHIL 111; PSY 225; BIOL 111; Fine Arts
4th Semester: PSY 210; BIOL 150; PSY 250; Elective; Social Science

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

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**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:**

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

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
**Associate in Arts**

**Total Credit Hours:** 60 to 64

**Program Information:** Requirements for admission to four-year colleges and universities vary a great deal. Illinois Central College has articulated agreements with several area universities to ensure ease in transfer of credits upon completion of the Associate in Arts degree.

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

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

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**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.
- 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:**
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- ECON 111 PRINCIPLES OF MICROECONOMICS 3 CR. HRS.
- PSY 220 ADULTHOOD AND AGING 3 CR. HRS.
- SSC 111 AMERICANS AND THEIR CULTURE
  or INTST 140 GLOBAL ISSUES 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.
- SOC 219 THE SOCIOLOGY OF RACE AND ETHNICITY IN AMERICA 3 CR. HRS.

* See specific requirements for Associate in Arts Degree.

**Recommended Course Sequence:**
1st Semester: ENGL 110; SOC 110; SSC 111 or INTST 140; Life Science; Fine Arts
2nd Semester: ENGL 111; PSY 110; SOC 114; Physical Science; Humanities
3rd Semester: COMM 110; ECON 110; PSY 220; SOC 218; Mathematics
4th Semester: ECON 111; SOC 120; SOC 213; SOC 219; Humanities/Fine Arts

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
**Programs/Areas of Study**

**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.
  or  COMM 212  PUBLIC SPEAKING  3 CR. HRS.
- SOCIAL SCIENCE  9 CR. HRS.
- MATH 211  STATISTICAL ANALYSIS  4 CR. HRS.
- LIFE SCIENCE/PHYSICAL SCIENCE  7 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 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.
- 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 or COMM 212; 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
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

Program 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.
- THTRE 111 MODERN DRAMA 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- HUMANITIES/FINE ARTS* 3 CR. HRS.

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
ASSOCIATE IN SCIENCE

The Associate in Science degree is a baccalaureate-oriented transfer degree focused in life or physical sciences, or professional fields with these study areas as a foundation. Degree completion may qualify the individual for junior standing at many four-year colleges and universities. Students who complete the Associate in Science degree at ICC will need to complete additional requirements at ICC or the transfer institution in order to complete the Illinois Articulation Initiative’s general education requirements (For more information on the Illinois Articulation Initiative, see page 9.)

The following pages outline recommended coursework that will help prepare a student for continued education in their selected field of study.
Associate in Science

Total Credit Hours: 60 to 64

Program Information: 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 2. 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* 6-9 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
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

Agriculture

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.
- SOCIAL SCIENCE* 3 CR. HRS.
- MATHEMATICS* 6-8 CR. HRS.
- LIFE SCIENCE/PHYSICAL SCIENCE* 10-12 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:

- AGBUS 110 INTRODUCTORY ECONOMICS OF FOOD, FIBER, AND NATURAL RESOURCES 3 CR. HRS.
- AGBUS 115 COMPUTER TECHNOLOGY IN AGRICULTURE 3 CR. HRS.
- AGMEC 110 INTRODUCTORY AGRICULTURAL MECHANIZATION 3 CR. HRS.
- AGRI 110 PRINCIPLES OF ANIMAL SCIENCE 4 CR. HRS.
- AGRI 200 INTRODUCTORY SOIL SCIENCE 4 CR. HRS.
- AGRI 204 INTRODUCTORY CROP SCIENCE 4 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:
1st Semester: ENGL 110; Life Science; AGRI 110; ECON 110; Mathematics
2nd Semester: ENGL 111; Physical Science; AGBUS 110; AGMEC 110; Mathematics
3rd Semester: AGRI 204; Social Science; COMM 110; Humanities; Fine Arts
4th Semester: AGRI 200; AGBUS 115; Physical Science/Life Science; Social Science

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

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**Biology**

**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.
- or COMM 212  PUBLIC SPEAKING  3 CR. HRS.
- SOCIAL SCIENCE*  6 CR. HRS.
- MATH 222  CALCULUS AND ANALYTIC GEOMETRY I  5 CR. HRS.
- MATH 223  CALCULUS AND ANALYTIC GEOMETRY II  4 CR. HRS.
- or MATH 211  STATISTICAL ANALYSIS  4 CR. HRS.
- BIOL 160  BIOPRINCIPLES I  4 CR. HRS.
- BIOL 161  BIOPRINCIPLES II  4 CR. HRS.
- CHEM 130  GENERAL CHEMISTRY  4 CR. HRS.
- or BIOL 160
- HUMANITIES*  3 CR. HRS.
- or CHEM 130
- FINE ARTS*  3 CR. HRS.

**PROGRAM COURSES:**

- CHEM 132  GENERAL CHEMISTRY  4 CR. HRS.
- CHEM 220  ORGANIC CHEMISTRY  5 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
3rd Semester: CHEM 220; PHYS 120; COMM 110 or COMM 212; Social Science
4th Semester: CHEM 230; PHYS 121; Social Science; Fine Arts; Humanities

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
### 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.
- **COMM 212** PUBLIC SPEAKING 3 CR. HRS.
- **SOCIAL SCIENCE*** 6 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.
- **CHEM 132** GENERAL CHEMISTRY 4 CR. HRS.
- **LIFE SCIENCE*** 4 CR. HRS.
- **COMM 212** PUBLIC SPEAKING 3 CR. HRS.
- **HUMANITIES*** 3 CR. HRS.
- **FINE ARTS*** 3 CR. HRS.

#### Program Courses:
- **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.
- **PHYS 212** ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM 4 CR. HRS.
- **PHYS 213** ENGINEERING PHYSICS: THERMODYNAMICS 2 CR. HRS.

#### Elective Courses:
- **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
2nd Semester: CHEM 132; MATH 223; ENGL 111; PHYS 211
Summer Semester 1: Social Science; Fine Arts
3rd Semester: CHEM 220; PHYS 212; MATH 224; Life Science
4th Semester: CHEM 210; CHEM 230; COMM 110 or 212; PHYS 213; Humanities

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

Total Credit Hours: 60 to 64

**Program Information:** The Dietetics area of study has been planned to allow students to readily transfer into the junior year at a four-year institution. Possible careers in this field allow Dietitians to establish nutritional care plans, help prevent and treat illnesses through the promotion of healthy eating habits, assess and evaluate clients’ nutritional needs, and oversee institutional food service systems. They also counsel individuals and groups on nutritional practices, supervise food service personnel and large scale meal planning and preparation in health care facilities, industrial cafeterias, prisons and schools, oversee food purchases, and participate in dietetic research and education.

**Additional Program Info:** The student is encouraged to select electives that will provide additional expertise in math, business, economics, marketing and accounting. (Only transferable courses numbered 110 or higher will apply towards the 60 credit hours graduation degree requirements.) Along with or after completion of the bachelor’s degree, students must apply and obtain an internship which may be an additional 6 to 12 months long. These internships are highly competitive and require the student to maintain a good grade point average to make herself/himself more marketable. Once the bachelor’s degree and internship is completed the student is then eligible to take the Academy of Nutrition and Dietetics registration examination.

**Accreditation:** To become a Registered Dietitian (RD), a four-year degree in Dietetics/Nutrition is required. After a bachelor’s degree is aquired students will complete an internship to be eligible to take the Dietetics registration examination. All programs must meet requirements of the Academy of Nutrition and Dietetics credentialing body.

**Admission To the Program:** Students complete basic skills placement testing before administration into this program. The student enrolling in this curriculum should have academic placement test scores for reading at a college level. Completion of high school algebra and 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.

**Contact Information:**
Agricultural and Industrial Technologies Department
Dietetics Program
East Peoria Campus
AIT Building Room 118
(309) 694-5496

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**Dietetics**

**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.
- **MATHEMATICS** 6-7 CR. HRS.
- **BIOL 160** BIOPRINCIPLES I 4 CR. HRS.
- **CHEM 120** PRINCIPLES OF CHEMISTRY I 4 CR. HRS.
- **FCS 120** PRINCIPLES OF NUTRITION 3 CR. HRS.
- **FINE ARTS** 3 CR. HRS.
- **HUMANITIES** 3 CR. HRS.

**PROGRAM COURSES:**

- **FCS 120** PRINCIPLES OF NUTRITION 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.

**ELECTIVE COURSES:**

- **ELECTIVES*** 6 CR. HRS.

* See specific requirements for Associate in Science Degree.
** Life/Physical Sciences, 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; BIOL 160
2nd Semester: ENGL 111; Humanities; Mathematics; Social Science; CHEM120
Summer Semester 1; Elective
3rd Semester: BIOL 205; BIOL 210; Fine Art; Elective
4th Semester: BIOL 206; Life/Physical Science; FCS 120; Elective

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
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* 6 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.
- PHYS 211 ENGINEERING PHYSICS: MECHANICS 4 CR. HRS.
- LIFE SCIENCE* 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:
- ENGR 110 INTRODUCTION TO ENGINEERING 1 CR. HR.
- MATH 224 CALCULUS AND ANALYTIC GEOMETRY III 4 CR. HRS.
- MATH 250 DIFFERENTIAL EQUATIONS 3 CR. HRS.
- PHYS 212 ENGINEERING PHYSICS: ELECTRICITY AND MAGNETISM 4 CR. HRS.
- PHYS 213 ENGINEERING PHYSICS: THERMODYNAMICS 2 CR. HRS.
- MATH, SCIENCE, or ENGINEERING ELECTIVES 4-6 CR. HRS.

* See specific requirements for the Associate in Science Degree.

Recommended Course Sequence:
1st Semester: MATH 222; CHEM 130; ENGL 110; ENGR 110; Humanities/Fine Arts
2nd Semester: MATH 223; PHYS 211; ENGL 111; Social Science
Summer Semester 1: Math, Science or Engineering Electives
3rd Semester: MATH 224; PHYS 212; COMM 110; Humanities/Fine Arts
4th Semester: MATH 250; PHYS 213; Life Science; Social Science

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

Total Credit Hours: 60 to 64

Program Information: The Environmental Science area of study at Illinois Central College is designed for students planning to transfer to a senior college or university for completion of a baccalaureate degree. During the two years at Illinois Central College, the student concentrates on building a strong foundation in the sciences and mathematics, and meets the requirements for the Associate in Science degree. The Environmental Science program is designed to prepare the student for a wide range of career opportunities. In addition to the positions traditionally available in laboratories that engage in environmental testing, professional careers exist within governmental agencies, including: (1) state and national departments of the EPA; (2) local and state planning departments; (3) state geological and natural history surveys; (4) the National Park Service; (5) soil and water conservation districts; (6) local and state health departments; (7) U.S. Geological Survey; (8) Departments of Natural Resources; and (9) OSHA. Further, various privately funded organizations maintain a staff of professionally trained environmental scientists.

To Remain in and Graduate From the Program:

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

Contact Information:
Math, Science, and Engineering Department
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
  or  COMM 212  PUBLIC SPEAKING  3 CR. HRS.
- ECON 110  PRINCIPLES OF MACROECONOMICS  3 CR. HRS.
- BIOL 114  ENVIRONMENTAL BIOLOGY  4 CR. HRS.
- BIOL 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.
- SOCIAL SCIENCE*  3 CR. HRS.
- ENVIRONMENTAL BIOLOGY  4 CR. HRS.
- BIOPRINCIPLES I  4 CR. HRS.
- GENERAL CHEMISTRY  4 CR. HRS.
- STATISTICAL ANALYSIS  4 CR. HRS.
- CALCULUS AND ANALYTIC GEOMETRY I  5 CR. HRS.
- HUMANITIES*  3 CR. HRS.
- FINE ARTS*  3 CR. HRS.

**PROGRAM COURSES:**

- BIOL 161  BIOPRINCIPLES II  4 CR. HRS.
- CHEM 132  GENERAL CHEMISTRY  4 CR. HRS.
- CHEM 220  ORGANIC CHEMISTRY
  or  PHYS 120  GENERAL PHYSICS  5 CR. HRS.
- CHEM 210  FUNDAMENTALS OF ANALYTICAL CHEMISTRY
  or  CHEM 230  ORGANIC CHEMISTRY
  or  PHYS 121  GENERAL PHYSICS  5 CR. HRS.
- PHYSC 110  ENERGY AND ENVIRONMENT  4 CR. HRS.

* See specific requirements for Associate in Science Degree.

Recommended Course Sequence:

1st Semester: BIOL 114; PHYSC 110; ENGL 110; MATH 222
2nd Semester: BIOL 160; CHEM 130; MATH 211; ENGL 111
Summer Semester 1: CHEM 132
3rd Semester: CHEM 220 or PHYS 120; COMM 110 or COMM 212; Humanities; ECON 110
4th Semester: BIOL 161; CHEM 210 or CHEM 230 or PHYS 121; Social Science; Fine Arts

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
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 (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.
- MATHEMATICS*** 3 CR. HRS.
- MATHEMATICS*** 3 CR. HRS.
- LIFE SCIENCE*** 4 CR. HRS.
- PHYSICAL SCIENCE*** 4 CR. HRS.
- LIFE SCIENCE/PHYSICAL SCIENCE*** 3-4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- SOC 120 MARRIAGE AND THE FAMILY 3 CR. HRS.
- 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.

ELECTIVE COURSES:
- ELECTIVES** 10-11 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.
***Mathematics and Sciences should be chosen with the help of an advisor to meet requirements for transfer.

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, BUS 110, PSY 202, Electives
4th Semester: Life/Physical Science, SOC 120; FCS 120, Electives

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

### 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.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- MATH 115 COLLEGE ALGEBRA 4 CR. HRS.
- MATHEMATICS* 3-4 CR. HRS.
- EASC 116 INTRODUCTION TO GEOLOGY 4 CR. HRS.
- EASC 118 INTRODUCTION TO WEATHER AND CLIMATE 4 CR. HRS.
- LIFE SCIENCE* 3-4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES** 3 CR. HRS.

### PROGRAM COURSES:
- GEOG 116 GEOGRAPHY OF THE DEVELOPING WORLD 3 CR. HRS.
- GEOG 118 GEOGRAPHY OF THE DEVELOPED WORLD 3 CR. HRS.
- GEOG 200 ECONOMIC GEOGRAPHY 3 CR. HRS.

### ELECTIVE COURSES:
- ELECTIVES 12 CR. HRS.

*See specific requirements for Associate in Science Degree.

**Recommended Humanities course: INTST 132 or INTST 133.

### Recommended Course Sequence:
1st Semester: EASC 116; ENGL 110; GEOG 112; MATH 115
2nd Semester: ENGL 111; GEOG 116; ECON 110; Humanities; Mathematics
3rd Semester: COMM 110; GEOG 118; Life Science; Electives
4th Semester: EASC 118; GEOG 200; Fine Arts; Humanities; Electives

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

Geology

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.
- or COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- SOCIAL SCIENCE* 6 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.
- EASC 116 INTRODUCTION TO GEOLOGY 4 CR. HRS.
- HUMANITIES* 3 CR. HRS.
- FINE ARTS* 3 CR. HRS.

PROGRAM COURSES:

- CHEM 132 GENERAL CHEMISTRY 4 CR. HRS.
- EASC 118 INTRODUCTION TO WEATHER AND CLIMATE 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: EASC 116; CHEM 130; ENGL 110; MATH 222
2nd Semester: MATH 223; CHEM 132; ENGL 111; Humanities
3rd Semester: PHYS 120; BIOL 130; Fine Arts; Social Science
4th Semester: PHYS 121; COMM 110 or COMM 212; EASC 118; Social Science

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

* See specific requirements for Associate in Science degree.

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

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.
- 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.
- EASC 118  INTRODUCTION TO WEATHER AND CLIMATE  4 CR. HRS.
- LIFE SCIENCE (BIOL)*  4 CR. HRS.
- FINE ARTS*  3 CR. HRS.
- HUMANITIES*  3 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.

Recommended Course Sequence:
1st Semester: CHEM 130; MATH 222; ENGL 110; EASC 118
2nd Semester: MATH 223; ENGL 111; PHYS 211; GEOG 112 or 113; Life Science
3rd Semester: PHYS 212; MATH 224; Humanities; Life Science
4th Semester: PHYS 213; PHYS 214; MATH 250; COMM 110; Fine Arts; Social Science
Associate in Science

Total Credit Hours: 60 to 64

Program Information: This area of study is intended for students planning to transfer to a senior college or university for a baccalaureate degree in physical education. Upon successful completion of the baccalaureate degree in Physical Education, graduates are qualified for positions as teachers, coaches or specialists in public and private elementary or secondary schools, colleges and universities as well as other social and recreational agencies which promote physical activity programs.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. Students who plan to pursue a 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) 694-5427

Physical Education

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.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- MATH 110 CONCEPTS OF MATHEMATICS 3 CR. HRS.
- MATH 111 GENERAL EDUCATION STATISTICS 3 CR. HRS.
- BIOL 110 LIFE SCIENCE 4 CR. HRS.
- BIOL 140 HUMAN ANATOMY AND PHYSIOLOGY 4 CR. HRS.
- CHEM 115 FOUNDATIONS OF CHEMISTRY 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:

- EDUC 111 INTRODUCTION TO AMERICAN EDUCATION** 3 CR. HRS.
- FCS 110 BASIC NUTRITION 2 CR. HRS.
- HLTH 150 FOUNDATIONS OF HEALTH 3 CR. HRS.
- PHYED 116 INTRODUCTION TO RECREATION 2 CR. HRS.
- PHYED 136 FOUNDATIONS OF HUMAN MOVEMENT 3 CR. HRS.
- PHYED 205 FITNESS AND WELLNESS 2 CR. HRS.
- PHYED 210 SPORT PSYCHOLOGY 3 CR. HRS.
- PHYED 236 SCIENTIFIC BASIS OF HUMAN MOVEMENT 3 CR. HRS.

ELECTIVE COURSES:

- HLTH 120 FIRST AID 2 CR. HRS.

* See specific requirements for Associate in Science.
** Athletic Trainers, take HLTH 121 and an additional PHYED activity course (Spring Semester, Freshmen Year) instead of EDUC 111

Recommended Course Sequence:
1st Semester: ENGL 110; PHYED 136; PSY 110; BIOL 110; PHYED 116
2nd Semester: CHEM 115; FCS 110; ENGL 111; MATH 110; EDUC 111
3rd Semester: COMM 110; BIOL 140; PHYED 210; MATH 111; Fine Arts
4th Semester: SOC 110; PHYED 205; PHYED 236; Humanities; HLTH 150

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

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**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**  6 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.
- **PHYS 211**  ENGINEERING PHYSICS: MECHANICS  4 CR. HRS.
- **LIFE SCIENCE**  4 CR. HRS.
- **FINE ARTS**  3 CR. HRS.
- **HUMANITIES**  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 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; Life Science
2nd Semester: CHEM 132; MATH 223; ENGL 111; PHYS 211
3rd Semester: PHYS 212; MATH 224; COMM 110; Social Science; Humanities
4th Semester: PHYS 213; PHYS 214; MATH 230; MATH 250; Fine Arts; Social Science

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

Total Credit Hours: 60 to 64

Program Information: Students planning to enter a professional school should seek specific information from the school they wish to attend since admission requirements vary considerably. Accredited chiropractic colleges require a minimum of 90 credit hours before entrance into the medical school, of which a minimum of 30 hours must come from upper-level courses. A bachelor’s degree is not required but is encouraged. Although a major in any academic field is usually acceptable, majors in biology and chemistry are especially suitable since major requirements in these fields overlap with pre-professional requirements.

Additional Program Info: Students enrolled in the Associate in Science degree program must meet with their assigned academic advisor to plan a specific course schedule meeting Illinois Central College and personal requirements in addition to requirements for the institution to which transfer is intended. It is recommended that a student whose plans include completing a bachelor’s degree before entrance into a chiropractic college complete math through calculus at ICC before transferring to the university.

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

Pre-Chiropractic

GENERAL COURSES:

- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- or COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOCIAL SCIENCE 3 CR. HRS.
- BIOL 111 THE BIOLOGY OF MAN 4 CR. HRS.
- or BIOL 160 BIOPRINCIPLES I 4 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.
- FINE ARTS 3 CR. HRS.
- HUMANITIES 3 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.
- or PHYS 120 GENERAL PHYSICS* 5 CR. HRS.
- CHEM 230 ORGANIC CHEMISTRY* 5 CR. HRS.
- or PHYS 121 GENERAL PHYSICS* 5 CR. HRS.

* Both sequences will be needed before entering into a DC program

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
**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

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**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.
- **MATH 222** CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- **MATH 223** CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- **MATH 211** STATISTICAL ANALYSIS 4 CR. HRS.
- **BIOL 160** BIOPRINCIPLES I 4 CR. HRS.
- **BIOL 161** BIOPRINCIPLES II 4 CR. HRS.
- **CHEM 130** GENERAL CHEMISTRY 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
3rd Semester: COMM 110; CHEM 220; PHYS 120; PSY 110
4th Semester: CHEM 230; PHYS 121; SOC 110; Humanities

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

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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.
- COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOC 110 AN INTRODUCTION TO SOCIOLOGY 3 CR. HRS.
- ECON 110 PRINCIPLES OF MACROECONOMICS 3 CR. HRS.
- ECON 111 PRINCIPLES OF MICROECONOMICS 3 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- MATH 211 STATISTICAL ANALYSIS 4 CR. HRS.
- BIOL 160 BIOPRINCIPLES I 4 CR. HRS.
- BIOL 161 BIOPRINCIPLES II 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES* 3 CR. HRS.

PROGRAM COURSES:
- CHEM 132 GENERAL CHEMISTRY 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 220 ORGANIC CHEMISTRY 5 CR. HRS.
- CHEM 230 ORGANIC CHEMISTRY 4 CR. HRS.
- PHYS 120 GENERAL PHYSICS 5 CR. HRS.

ELECTIVE COURSES:
- 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; ECON 110 or ECON 111
3rd Semester: CHEM 220; BIOL 205; PHYS 120; COMM 110 or COMM 212

For the most up-to-date program requirements, go online to the College catalog: icc.edu/catalog
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, East Peoria Campus
(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
  or COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOCIAL SCIENCE 3 CR. HRS.
- MATH 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES
  or MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 5 CR. HRS.
- MATH 211 STATISTICAL ANALYSIS 4 CR. HRS.
- BIOL 160 BIOPRINCIPLES I 4 CR. HRS.
- BIOL 161 BIOPRINCIPLES II 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- FINE ARTS* 3 CR. HRS.
- HUMANITIES 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 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 or COMM 212; Humanities
4th Semester: BIOL 206; PHYS 121; Fine Arts; Social Science

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

Total Credit Hours: 60 to 64

Program Information: This area of study is designed for the student who, after receiving their bachelors 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:
East Peoria Campus
Agricultural and Industrial Technologies Building
Room 118, (309) 694-5171
or
Math, Science, and Engineering Department
Room 320B, (309) 694-5365

Pre-Veterinary

**GENERAL COURSES:**
- ENGL 110 COMPOSITION I 3 CR. HRS.
- ENGL 111 COMPOSITION II 3 CR. HRS.
- COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- or COMM 212 PUBLIC SPEAKING 3 CR. HRS.
- PSY 110 INTRODUCTION TO PSYCHOLOGY 3 CR. HRS.
- SOCIAL SCIENCE 3 CR. HRS.
- MATH 222 CALCULUS AND ANALYTIC GEOMETRY I 4 CR. HRS.
- or MATH 135 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES 4 CR. HRS.
- MATH 223 CALCULUS AND ANALYTIC GEOMETRY II 4 CR. HRS.
- or MATH 211 STATISTICAL ANALYSIS 4 CR. HRS.
- BIOL 160 BIOPRINCIPLES I 4 CR. HRS.
- BIOL 161 BIOPRINCIPLES II 4 CR. HRS.
- CHEM 130 GENERAL CHEMISTRY 4 CR. HRS.
- FINE ARTS 3 CR. HRS.
- HUMANITIES 3 CR. HRS.

**PROGRAM COURSES:**
- CHEM 132 GENERAL CHEMISTRY 4 CR. HRS.
- CHEM 220 ORGANIC CHEMISTRY 5 CR. HRS.
- PHYS 120 GENERAL PHYSICS 5 CR. HRS.
- PHYS 121 GENERAL PHYSICS 5 CR. HRS.

**ELECTIVE COURSES:**
- CHEM 230 ORGANIC CHEMISTRY 4 CR. HRS.
- AGRI 110 PRINCIPLES OF ANIMAL SCIENCE** 4 CR. HRS.

* See specific requirements for Associate in Science Degree.
** AGRI 110 is not required for students transferring into a biology curriculum

Recommended Course Sequence:
1st Semester: BIOL 160; CHEM 130; ENGL 110; MATH 222 or MATH 135
2nd Semester: BIOL 161; CHEM 132; ENGL 111; Humanities, MATH 223 or MATH 211
3rd Semester: CHEM 220; PHYS 120; COMM 110 or COMM 212
4th Semester: PHYS 121; PSY 110; Fine Arts; Social Science

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

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 3 CR. HRS.
- or COMM 110 COMMUNICATION: PROCESS AND PRACTICE 3 CR. HRS.
- 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
Course Descriptions

Courses are in listed alphabetical order by subject.

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<tr>
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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>Number of Semester Hours</th>
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<td>ACCTG</td>
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<td>3 HRS. (OC)</td>
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</tbody>
</table>

Prerequisite: ACCTG 000 or department approval. This course is a practical study of business and individual income tax accounting principles. 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 9.

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

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<th>Credits (OC/TG)</th>
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<td>ACCTG 108</td>
<td>ACCOUNTING USING QUICK BOOKS</td>
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<td>ACCTG 208</td>
<td>COST ACCOUNTING</td>
<td>3 (TC)</td>
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</tbody>
</table>

### Agricultural Business

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits (OC/TG)</th>
<th>Lecture Hours</th>
<th>Laboratory Hours</th>
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<tbody>
<tr>
<td>AGBUS 110</td>
<td>INTRODUCTORY ECONOMICS OF FOOD, FIBER, AND NATURAL RESOURCES (AG 901)</td>
<td>3 (TC)</td>
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<tr>
<td>AGBUS 111</td>
<td>ECONOMICS OF AGRICULTURE</td>
<td>3 (TC)</td>
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<tr>
<td>AGBUS 112</td>
<td>AGRICULTURAL SALES</td>
<td>2 (OC)</td>
<td>2</td>
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<tr>
<td>AGBUS 115</td>
<td>COMPUTER TECHNOLOGY IN AGRICULTURE</td>
<td>3 (TC)</td>
<td>3</td>
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<tr>
<td>AGBUS 118</td>
<td>AGRICULTURAL COMPUTATIONS</td>
<td>3 (OC)</td>
<td>3</td>
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</tbody>
</table>
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

AGBS 256  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 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 many facets of precision agriculture including: Global Positioning Systems (GPS), Geographical Information Systems (GIS), yield monitors, remote sensing, drones, grid soil sampling, variable rate application, and vehicle guidance to effectively use data to make informed production management decisions.
Lecture Hours: 2  Laboratory Hours: 2 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
Lecture Hours: 4  Laboratory Hours: 0

Designed to develop integrated skills in reading, writing, listening, and speaking. Prerequisite: ARA 111 with a grade of "C" or higher or equivalent. This course is a continuation of ARA 110 with emphasis on listening, speaking, reading, and writing. Prerequisite: ARA 110 with a grade of "C" or better or department approval. This course is a continuation of Livestock Evaluation I and II and provides for continued study of the relationship between form and function in the live evaluation and selection of beef cattle, swine, sheep and goats. The student studies how to make accurate decisions about livestock quality and to defend those decisions with logical reasons. Lecture Hours: 1  Laboratory Hours: 2

AGRI 234          LIVESTOCK EVALUATION IV   1 HR. (OC)
Prerequisite: AGRI 233 with a grade of "C" or better or department approval. This course is designed for students participating extensively in livestock judging competitions. It is a continuation of Livestock Evaluation III and provides for continued study of the relationship between form and function in the live evaluation and selection of beef cattle, swine, sheep and goats. The student learns how to make accurate decisions about livestock quality and to defend those decisions with logical reasons. Lecture Hours: 1  Laboratory Hours: 2

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 (H1 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 or equivalent

Architectural Construction Technology

ARCTK 001      SOLAR APPLICATIONS FOR YOUR HOME  3 HRS. (GSC)
This course is intended to survey the present status of different ways in which solar energy can be used directly, to summarize present trends and opportunities in research, and to allow the student to gather the latest references to build on previous efforts. The course is designed to inform local alternative energy seekers as to the state of the art of becoming more energy self-sufficient on a decentralized level. Lecture Hours: 3  Laboratory Hours: 0

ARCTK 007      RESIDENTIAL PLANNING AND DRAWING  1.5 HRS. (GSC)
This course is intended to provide the basic background, knowledge and skills for the individual to design and prepare plans and specifications for a home. The course deals with site selection, landscaping, building construction elements, cost comparisons, mechanical and electrical considerations, different types of architectural treatment, code requirements, and preparation of contract documents. Lecture Hours: 1  Laboratory Hours: 1

ARCTK 106      BASIC ARCHITECTURAL DRAFTING  2 HRS. (OC)
This is an introductory course in architectural drafting for students without previous architectural drafting course or courses. Students with a minimum of one semester of architectural drafting should enroll in ARCTK 111. Lecture Hours: 1  Laboratory Hours: 3

ARCTK 111      ARCHITECTURAL DRAFTING  3 HRS. (OC)
Prerequisite: ARCTK 106 with a grade of "C" or better or equivalent. This introductory course includes general drafting techniques, such as lettering, line work, orthographic projection, two-dimensional representation, perspectives, sections, and architectural conventions. Lecture Hours: 1  Laboratory Hours: 5

ARCTK 112      STRUCTURAL DRAFTING  3 HRS. (OC)
Prerequisite: ARCTK 111 with a grade of "C" or better or department approval. This course introduces the student to structural drafting. Study is made of structural shop drawings and their interrelationship to the entire building, emphasizing the need for the complete structural drawing to be developed logically, completely, and according to currently accepted practices. Lecture Hours: 1  Laboratory Hours: 5

ARCTK 113      ELEMENTARY SURVEYING  2 HRS. (OC)
Prerequisite: MAT 098 with a grade of "C" or better or MAT 099 with a grade of "C" or better or credit or concurrent enrollment in MAT 106. This is an elementary course in surveying, including the fundamentals of plane surveying, and use and care of equipment. The student becomes familiar with transits, levels, chains, tapes, level rods, and other equipment used in plane surveying. The fundamentals of legal land descriptions are included. Lecture Hours: 1  Laboratory Hours: 3

ARCTK 114      SURVEYING  2 HRS. (OC)
Prerequisite: ARCTK 113 with a grade of "C" or better. This course develops skills in differential level surveying, profile and cross-section leveling, transit surveying, construction surveying, and surveying calculations. An introduction to GPS and GIS is included. Lecture Hours: 1  Laboratory Hours: 3

ARCTK 115      ARCHITECTURAL PHOTOGRAPHY  2 HRS. (OC)
This course is offered to study, experiment, and demonstrate procedural skills to capture the character, purpose and human scale of architecture through small-format photography and to study photography as a tool in the design process, presentation of drawings, architectural models, and other technical aspects of the field of architecture. Lecture Hours: 1  Laboratory Hours: 2

ARCTK 116      HISTORY OF ARCHITECTURE AND CONSTRUCTION  3 HRS. (TC)
This course allows a student to experience a comprehensive study of the evolution of architectural form and use of materials and methods of construction. This course is a chronological study ranging from primitive formulative architecture to complex contemporary engineered architecture and computer controlled building construction. Lecture Hours: 3  Laboratory Hours: 0

ARCTK 118      BUILDING RESTORATION AND REHABILITATION PLANNING  2 HRS. (OC)
This course provides opportunities to study, define, and apply applicable period design style principles and methods for rescue and revitalization of period built single/multiple buildings. The student will select and use an actual situation to develop comprehensive design and planning skills and will be expected to apply theoretical and methodological principles outlined in class. The student is expected to establish individual approaches to preservation design and demonstrate ability to find a suitable compromise between aesthetic and environmental goals. Lecture Hours: 1  Laboratory Hours: 2
ARCTK 119  BLUEPRINT READING - CONSTRUCTION  1 HR. (OC)
This course provides a basic understanding of architects' drawings and specifications. Emphasis is on giving broad practical instruction in content and meaning of blueprints, the types of drawings used and an explanation of terms and symbols commonly employed by architects. This course is usually taught in eight three-hour sessions.
Lecture Hours: .5 Laboratory Hours: 1 or equivalent

ARCTK 125  SOILS AND FOUNDATION MATERIALS  3 HRS. (OC)
Prerequisite: MAT 098 with a grade of "C" or better or concurrent enrollment. This is an introductory course in which the student will become familiar with soil testing and mechanics for construction. Also covered are topics in foundation material with emphasis given to properties of materials and quality control.
Lecture Hours: 2 Laboratory Hours: 3

ARCTK 201  ARCHITECTURAL DRAFTING  4 HRS. (OC)
Prerequisite: ARCH 131 with a grade of "C" or better. In this course the student will learn how to prepare working drawings of residential and commercial structures from schematic and preliminary sketches. Principles of residential and commercial construction are introduced for preparation of working documents for the assigned building type.
Lecture Hours: 2 Laboratory Hours: 6

ARCTK 203  MECHANICS OF MATERIALS  3 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in PHYS 112. This course covers statics strength of materials, selections of materials for particular applications, and inspection of materials. Materials testing methods are stressed in the laboratory.
Lecture Hours: 2 Laboratory Hours: 3

ARCTK 210  INTERNSHIP  3 HRS. (OC)
Prerequisite: Department approval. This course is designed to give the intern experience in a chosen field of interest under the direct supervision of an architect, engineer or contractor while engaged in on-the-job training. The student will also do individual research and study on an approved area of interest.
Lecture Hours: 2 Laboratory Hours: 16 or equivalent

ARCTK 225  SITE DEVELOPMENT  2 HRS. (OC)
Prerequisite: ARCTK 113 with a grade of "C" or better. This course is designed to study considerations of site selection, including land survey, survey computations, contours, uses of contour leveling, computation of cut and fill, drainage and grading, and staking out of buildings and roads.
Lecture Hours: 1 Laboratory Hours: 3

ARCTK 227  ENVIRONMENTAL SYSTEMS OF BUILDINGS  3 HRS. (OC)
Prerequisite: Sophomore standing or department approval. This course is designed to survey different types of environmental systems and their application relevant to human occupancy of buildings, which includes heat, atmospheric control, light, electric power, solar energy, transportation, communication, sanitation, acoustics and related equipment.
Lecture Hours: 3 Laboratory Hours: 0

ARCTK 228  CONSTRUCTION MANAGEMENT  3 HRS. (OC)
Prerequisite: Sophomore standing or department approval. This course acquaints the student with general aspects and organization of the construction industry. Emphasis is placed on construction planning and scheduling, including critical path method (CPM), resource leveling and control.
Lecture Hours: 2 Laboratory Hours: 3

ARCTK 229  COST ESTIMATING AND CONSTRUCTION PRACTICE  3 HRS. (OC)
Prerequisite: ARCTK 201 with a grade of "C" or better. This course acquaints the student with contract documents for architectural construction, utilizing the latest recommendations of Construction Specifications Institute and the American Institute of Architects. It familiarizes the student with estimating of building construction costs utilizing the quantity, survey, and approximate methods and also the "systems" approach.
Lecture Hours: 3 Laboratory Hours: 0

ARCTK 255  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 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

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 or equivalent

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 129 with a grade of "C" or better. This course is an introduction to fundamentals of architectural design: object, perception and light. Vocabulary includes: figure-ground composition, balance and movement, proportion and rhythm, mass-space organization, multiple viewing positions, one- and two-point perspective, orthographic projection and freehand drawing.
Lecture Hours: 1 Laboratory Hours: 6
ARCH 202 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: ARCTK 111 or ARCH 137 both with a grade of "C" or better. This course is intended to be the first in a series of courses to introduce the architectural student or professional to the basic concepts of computer aided design and drafting using AutoCAD software. The student will be introduced to the basic commands of the systems in developing three-dimensional modeling and two-dimensional drawings. Students will gain experience in generating, manipulating and editing graphics and 3-D modeling along with creating library parts for graphic display. Additional topics in text and dimensioning will be introduced. This course may be repeated twice; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.
Lecture Hours: 2 Laboratory Hours: 3

ARCH 205 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 state-plan grid coordinates. Discussion of contours and generation of 3-D digital terrain models will be covered. This course may be repeated twice; however, it may be used only once to fulfill the requirement for an Associate in Applied Science degree.
Lecture Hours: 2 Laboratory Hours: 3

Art

ART 110 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 112 3D DESIGN 3 HRS. (TC)
This course is a study of three-dimensional concepts and terminology utilizing studio projects related to sculpture, architecture and industrial design.
Lecture Hours: 0 Laboratory Hours: 6

ART 120 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 an 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 or equivalent

ART 141 PHOTOGRAPHY II 3 HRS. (TC)
Prerequisite: ART 140 with a grade of "C" or better or department approval. This course builds on and refines experiences of Photography I, emphasizing creative and aesthetic applications of photography explored through the study of advanced techniques in digital and/or darkroom format. The student will gain expertise in all phases of photography, including but not limited to camera functions, image manipulation, studio practice, lighting, and development of a professional portfolio.
Lecture Hours: 0 Laboratory Hours: 6 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 experiences. 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 wheel-thrown pottery.
Lecture Hours: 0  Laboratory Hours: 6

ART 206  SCULPTURE I  3 HRS. (TC)
Prerequisite: ART 112 with a grade of "C" or better or department approval. This beginning sculpture course acquaints the student with both traditional and contemporary sculpture techniques and materials, involving skills in carving, casting, construction and assemblage.
Lecture Hours: 0  Laboratory Hours: 6

ART 210  PRINTMAKING  3 HRS. (TC)
Prerequisite: ART 111 with a grade of "C" or better or ART 121 with a grade of "C" or better. This course is an introduction to a variety of basic printmaking techniques with an emphasis on collograph, linoleum, woodblock, engraving and etching processes.
Lecture Hours: 0  Laboratory Hours: 6

ART 221  FIGURE DRAWING II  3 HRS. (TC)
Prerequisite: ART 121 with a grade of "C" or better or department approval. This course builds on and refines experiences of Figure Drawing I, emphasizing creative and aesthetic applications of figure drawing explored through additional studio experience with the model. Emphasis will be placed on personal creative development through further experimentation with materials and techniques, on a wider variety of surfaces, papers, and scale.
Lecture Hours: 0  Laboratory Hours: 6 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 HR. (TC)
Prerequisite: Department approval. This course is designed to give the student/intern experiences in his/her chosen field of interest under the direct supervision of a professional (Director, Assistant Director, Artist) while engaged in on-the-job training. The student/intern will also do individual research and study on approved area of interest and will attend biweekly lectures. The student/intern will be responsible for maintaining five laboratory hours per week per credit.
Lecture Hours: 0  Laboratory Hours: 5 - 15 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 218**  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 234**  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 means. Problems in design and application are solved. The laboratory experience includes inspection, dis-assembly, and repair of automatic transmissions, torque converters and trans-axles.
Lecture Hours: 2  Laboratory Hours: 3

**AUTO 243**  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

**AUTO 244**  EMISSIONS AND DRIVEABILITY  3 HRS. (OC)
Prerequisite: AUTO 115 with a grade of "C" or better. This course covers the emission control systems used in modern gasoline engines. The use of test equipment
and proper repair procedures are emphasized. Drive-ability of the automobile is also covered by studying the interaction of fuel, ignition, and emission systems. Lecture Hours: 2  Laboratory Hours: 3

AUTO 250  AUTOMOTIVE INTERNSHIP  4 HRS. (OC)
Prerequisite: Department approval. This supervised experience is required of students enrolled in the Automotive Technology program. Students’ needs and objectives determine major emphasis of this course.
Lecture Hours: 0  Laboratory Hours: 20 or equivalent

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 economies. 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: ACCCTG 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

BIOI 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

BIOI 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 BIOI 111, it can be considered equivalent to a one-year sequence in General Biology.
Lecture Hours: 3  Laboratory Hours: 2

BIOI 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 BIOI 110, it can be considered equivalent to a one-year sequence in General Biology.
Lecture Hours: 3  Laboratory Hours: 2

BIOI 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. Topics of study include aspects of ecology, pollution and other environmental issues, with emphasis on current events and possible solutions for the future. Laboratory experiences will employ hands-on exercises and some field experiences.
Lecture Hours: 3  Laboratory Hours: 2

BIOI 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: 2  Laboratory Hours: 4

BIOI 120  GENERAL BOTANY (L1 900L)  4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course includes a study of the basic principles of plant structure, growth, physiology, reproduction and evolution.
Lecture Hours: 3  Laboratory Hours: 2

BIOI 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

BIOI 140  HUMAN ANATOMY AND PHYSIOLOGY (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 systems level of development. It is intended as a survey of basic anatomy and physiology principles and relationships appropriate for students in certain degree programs. Please check your specific program requirements.
Lecture Hours: 3  Laboratory Hours: 2

BIOI 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

BIOI 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 BIOI 160-161 sequence is intended for science majors or other students with department approval.
Lecture Hours: 3  Laboratory Hours: 3

BIOI 161  BIOPRINCIPLES II (BIO 910 L1 910L)  4 HRS. (TC)
Prerequisite: BIOI 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 BIOI 160-161 sequence is intended for science majors or other students with department approval.
Lecture Hours: 3  Laboratory Hours: 3

BIOI 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 BIOI 111 or BIOI 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. BIOI 205 covers introductory cell biology and cellular physiology and the Integumentary, Nervous, Endocrine, and Reproductive Systems.
Lecture Hours: 3  Laboratory Hours: 2.5

BIOI 206  PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II  4 HRS. (TC)
Prerequisite: BIOI 205 or equivalent with a grade of “C” or better. This course is a continuation of BIOI 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

BIOI 210  MICROBIOLOGY  4 HRS. (TC)
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, AND completion of BIOI 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 4 hrs. (TC)
Prerequisite: BIOL 110, 111, 130, or 160 with a “C” or better or department approval. This course is a study of fish, amphibians, reptiles, birds, and mammals, and covers their anatomy, evolution, physiological ecology, and classification. The laboratory provides intensive anatomical work on several representative species. Lecture Hours: 3 Laboratory Hours: 3

Biol 250 field biology (L1 950L) 4 hrs. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course includes field studies of the biology in various sections of North America. Stress is placed on interdependency of life forms and their association with physical and climatic features of their environment. Students are required to prepare a notebook stressing biological concepts studied. A student must be physically fit for camping and hiking. Often taught concurrently with EASC 250. The three-week period will include lecture as well as field studies. Ten hours of class presentation followed by three weeks of field study. Lecture Hours: 2 Laboratory Hours: 4

Bridge

Brdge 081 bridge transitions: career and postsecondary education - ABE 2 hrs. (ABE)
Prerequisite: Reading level of 7.0 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course helps students examine the components of career choice, acquire the skills necessary to obtain employment and succeed in the workplace, and learn how to navigate college services and processes. It is generally offered in conjunction with a contextualized basic skills bridge course and BRDGE 080. Lecture Hours: 1 Laboratory Hours: 2

Brdge 082 manufacturing bridge - ABE 3 hrs. (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 BRDGE 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

Brdge 091 bridge transitions: career and postsecondary education - ASE 2 hrs. (ASE)
Prerequisite: Reading level of 9.0 or higher on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course helps students examine the components of career choice, acquire the skills necessary to obtain employment and succeed in the workplace, and learn how to navigate college services and processes. It is generally offered in conjunction with a contextualized basic skills bridge course and BRDGE 090. Lecture Hours: 1 Laboratory Hours: 2

Brdge 092 manufacturing bridge - ASE 3 hrs. (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 BRDGE 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 100 professional development for employees 3 hrs. (OC)
This course prepares the student for initial entry into a career through the study of professional dress, etiquette, customer service, professional behavior and integrity, workplace adjustments, team membership, meeting professional responsibilities, letters of application and resumes, job interviews, and employment tests. Lecture Hours: 3 Laboratory Hours: 

Bus 110 introduction to business 3 hrs. (TC)
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 3 hrs. (TC)
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 1 hr. (OC)
This course helps the student to understand the principles and practices of business careers. Lecture Hours: 1 Laboratory Hours: 0

Bus 115 business law 3 hrs. (TC)
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 3 hrs. (TC)
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 3 hrs. (TC)
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 MAT 099 with a grade of "C" or better; or department approval. This course develops skills in handling mathematics in business transactions, fundamental percentages, percentage, discount, interest, profit and loss, payroll, 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 3 hrs. (OC)
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 0.5 hr. (OC)
This special topics course will vary to allow an examination of various topics of interest in the business area. Each section offered will present a unique topic of value to students in business. This course may be repeated three times if the topic and content are different. Lecture hours per week will vary depending upon the credit given and course content in each section offered. Lecture Hours: 0 - 3 Laboratory Hours: 0

Bus 151 job orientation 2 hrs. (OC)
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 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 3 hrs. (OC)
This course examines the problems of discipline, motivation, communications, authority, social change, and teamwork through case studies. Lecture Hours: 3 Laboratory Hours: 0

Bus 203 business statistics (bus 901) 4 hrs. (TC)
Prerequisite: MATH 115 with a grade of "C" or better or MATH 134 with a grade of "C" or better. This course includes the basic concepts of statistical analysis used in business decision making, including probability and how uncertainty is dealt with in real life. The student will learn some basic statistical techniques and work out simple problems and should be able to recognize applications of different statistical techniques, interpret the results of analyses, and recognize instances in which statistical techniques have been misused. The following concepts and statistical techniques are included: measures of central tendency and variability; random variables and probability distributions; binomial, normal and sampling distributions; estimation; test of hypotheses; chi square tests; linear regression and correlation; and one-way analysis of variance. Lecture Hours: 4 Laboratory Hours: 0
### Course Descriptions

**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. 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 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, synchromesh, and the newer transmissions involving planetary sets. An understanding of the operation, maintenance, and adjustment of the clutch and brakes will be an integral part of this course.
Lecture Hours: 2  Laboratory Hours: 3

**CATTK 117 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 200 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 114 with a grade of "C" or better and department approval. This course provides the background needed to diagnose and repair the sophisticated electronics and computerized circuits found on Caterpillar equipment and engines. Basic system operation, electronic concepts, and component function are covered. Caterpillar procedures are taught to identify malfunctions and to test the systems properly.
Lecture Hours: 2  Laboratory Hours: 3

**CATTK 202 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: 2  Laboratory Hours: 3

**CATTK 203 DIAGNOSTIC TESTING**  1 HR. (OC)
Prerequisite: CATTK 110 and CATTK 114 both with a grade of "C" or better. This is a course that studies the practical use of diagnostic equipment for analyzing and repairing Caterpillar machines and engine systems. Emphasis is placed on Applied Failure Analysis.
Lecture Hours: 1  Laboratory Hours: 0

**CATTK 204 MACHINE SPECIFIC SYSTEMS**  4 HRS. (OC)
Prerequisite: CATTK 117 and 201 with a grade of "C" or higher and department approval. This is a course to develop knowledge and skills used to test and adjust specific Caterpillar machine systems.
Lecture Hours: 2  Laboratory Hours: 6
CATTK 250 INTERSHIP III 4 HRS. (OC)
Prerequisite: CATTK 151 with a grade of "C" or higher and department approval. This supervised experience is required of students enrolled in the Caterpillar Dealer Service Technology curriculum. The placement experience is obtained through the cooperation of an employer. Student's needs and objectives determine major emphasis. Forty hours per week.
Lecture Hours: 0 Laboratory Hours: 40

CATTK 251 INTERSHIP IV 4 HRS. (OC)
Prerequisite: CATTK 250 with a grade of "C" or better and department approval. This supervised experience is required of students enrolled in the Caterpillar Dealer Service Technology curriculum. The placement experience is obtained through the cooperation of an employer. Student's needs and objectives determine major emphasis. Forty hours per week.
Lecture Hours: 0 Laboratory Hours: 40

CATTK 255 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 a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted for approval and remains on file within the department, together with a final report submitted to the faculty member by the student. This course is repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Chemistry

CHEM 094 INTRODUCTION TO CHEMISTRY 3 HRS. (BEC)
Prerequisite: Concurrent enrollment in MAT 098 or higher. This course is designed as an introduction to basic chemistry principles as preparation for additional course work in chemistry. Recommended for students with minimal math preparation and without a year of high school chemistry. The course includes the use of the scientific calculator, the solution of basic chemical problems, the study of the metric system, fundamental atomic structure, chemical formulas, and chemical equations. This course is repeatable up to a maximum of three times.
Lecture Hours: 3 Laboratory Hours: 1

CHEM 110 CHEMISTRY AND SOCIETY (P 903L) 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and completion of MAT 098 with a grade of "C" or better or a score of 66 on the algebra COMPASS test or department approval. This course is intended to establish an understanding of the role of chemistry in modern society by developing the principles of chemistry involving sustainability, environmental impact. Typical discussions will include: energy sources and transformations, drugs and health care, agricultural and food chemicals, air and water pollution, toxic wastes and their disposal. At a technical level, it surveys basic principles of chemistry: experimental measurements, matter, chemical symbols, atomic and molecular structure, the chemical bond, temperature, heat and energy conversions, the gas laws, solution chemistry, and basic chemical calculations. Credit will not be granted to those students who have already earned credit in a previous college level chemistry course of comparable or higher level. Recommended as a general education course for liberal arts majors.
Lecture Hours: 3 Laboratory Hours: 2

CHEM 113 CHEMISTRY AND GLOBAL ISSUES (P 1903) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course will examine the science behind important, relevant, and sometimes controversial issues facing today's society, such as climate change, food chemistry, agriculture, and energy. The material will be approached from the perspective of a non-science major but will be of interest and value to science majors and non-majors alike.
Lecture Hours: 3 Laboratory Hours: 0

CHEM 115 FOUNDATIONS OF CHEMISTRY (P 902L) 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and completion of MAT 098 or MAT 099 or MATH 115 or higher with a grade of "C" or better or a Math COMPASS Test score of 66 or on the Algebra section or any score on the College Algebra or Trigonometry section, or department approval. This course is a one-semester survey of General, Organic, and Biological Chemistry. It covers atomic structure, chemical bonding, solutions, organic functional groups, compounds of physiological importance, and metabolic pathways. Mathematical treatment and problem solving are expected in the first part of the course. Recommended for students in dental hygiene and other health-related occupations.
Lecture Hours: 3 Laboratory Hours: 2

CHEM 120 PRINCIPLES OF CHEMISTRY I (P 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, prerequisite for general chemistry sequence (CHEM 130 / CHEM 132), or as a general education course. The important mathematical skills involved in basic chemistry are developed, but overall there is less mathematical emphasis than in CHEM 130.
Lecture Hours: 3 Laboratory Hours: 0

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: 0

CHEM 130 GENERAL CHEMISTRY (CHEM 911 P 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 ionic equilibrium, electrochemistry, thermochromy, nuclear chemistry, and survey of the elements.
Lecture Hours: 3 Laboratory Hours: 0 or equivalent

CHEM 132 GENERAL CHEMISTRY (CHEM 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 ionic equilibrium, electrochemistry, thermochemistry, nuclear chemistry, and a survey of the elements. Laboratory includes semi-micro qualitative analysis.
Lecture Hours: 3 Laboratory Hours: 3

CHEM 210 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 (CHEM 913) 5 HRS. (TC)
Prerequisite: CHEM 122 or 132 with grade of "C" or better. This is the first semester of a two-semester sequence. It includes a study of the structure, nomenclature, reactivity, and synthesis of organic compounds. Reaction mechanisms and stereochemistry are emphasized. The laboratory includes macro and micro scale techniques and synthesis. Gas and liquid chromatography as well as infrared instrumentation are used to identify synthesized compounds.
Lecture Hours: 4 Laboratory Hours: 3

CHEM 230 ORGANIC CHEMISTRY (CHEM 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, dealkalized pi systems and benzene, carbonyl and carboxylate systems and concludes with amino chemistry. The laboratory includes multi-step synthesis, the utilization of NMR and GC-MS instrumentation to aid in structure elucidation, and the continued emphasis on chromatographic techniques.
Lecture Hours: 3 Laboratory Hours: 3

Child Development

CHILD 110 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 3 HRS. (TC)
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 3 HRS. (OC)
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 3 HRS. (OC)
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 3 HRS. (OC)
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 gained to plan curriculum that is responsive to and supportive of children's learning and development. Students will have the opportunity to engage in assessment processes through means of classroom observations, providing each student with a stronger understanding of child development skills. Students learn about and explore a variety of age, individually, linguistically, and culturally appropriate formal and informal assessments to gather and share information on each child's skills, abilities, interests and needs, birth through age 8. Includes field experiences outside of class time.
Lecture Hours: 3 Laboratory Hours: 0

CHILD 140 FAMILY, CHILD, AND COMMUNITY 3 HRS. (OC)
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 3 HRS. (OC)
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 3 HRS. (OC)
Prerequisite: CHILD 120 with a grade of "C" or better or department approval. This course focuses on techniques for working with children with special needs in early childhood settings. Students will apply their knowledge of child development and relate it to assessment, intervention, and evaluation procedures for children with special needs. The course includes characteristics of young children (birth through eight years) with special needs and their families, and modifications in curriculum, routines, and classroom management.
Lecture Hours: 3 Laboratory Hours: 0

CHILD 220 MATH AND SCIENCE IN EARLY CHILDHOOD 3 HRS. (OC)
Prerequisite: CHILD 130 and CHILD 134 both with a grade of "C" or better. This course is an exploration and examination of developmental theory and research, as well as principles, methods, and materials as they apply to mathematics and science teaching and learning in early childhood settings, birth through kindergarten. This course includes field experiences to be completed outside of class time. Successful completion of this course includes field experiences to be completed outside of class time.
Lecture Hours: 3 Laboratory Hours:

CHILD 221 FINE ARTS AND SOCIAL STUDIES IN EARLY CHILDHOOD 3 HRS. (OC)
Prerequisite: CHILD 130 and CHILD 134 both with a grade of "C" or better. This course is an exploration and examination of developmental theory and research, as well as principles, methods, and materials as they apply to fine arts and social studies teaching and learning in early childhood settings, birth through kindergarten. This course includes field experiences to be completed outside of class time.
Lecture Hours: 3 Laboratory Hours:

CHILD 225 GUIDING SOCIAL AND EMOTIONAL DEVELOPMENT IN EARLY CHILDHOOD 3 HRS. (OC)
Prerequisite: CHILD 130 and CHILD 134 both with a grade of "C" or better. This course focuses on developmentally appropriate, evidence-based approaches and positive guidance strategies for supporting the psychosocial development and prosocial behaviors of each child. The course emphasizes supportive interactions and developmentally appropriate environments; uses assessment to analyze and guide behaviors; and studies the impact of diversity (cultural, linguistic, and ability) and intervention on the guidance of children, birth to age 8. This course includes field experiences outside of class time. Successful completion of this course applies toward Gateways ECE Level 4 Credential.
Lecture Hours: 3 Laboratory Hours:

CHILD 230 PROGRAM PLANNING 3 HRS. (OC)
Prerequisite: CHILD 130 with a grade of "C" or better or department approval. This course provides knowledge and skills necessary to plan a program which maximizes best practices in child development. Included in the course are: curriculum development, program planning, design and use of materials and equipment, instruction techniques, and the role of the teacher.
Lecture Hours: 3 Laboratory Hours: 0

CHILD 231 LITERATURE FOR CHILDREN 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course examines genres of children's literature. It considers plot, narration, character development, setting, and theme in age-appropriate literature.
Lecture Hours: 3 Laboratory Hours: 0

CHILD 232 LANGUAGE AND LITERACY DEVELOPMENT IN EARLY CHILDHOOD 3 HRS. (TC)
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 3 HRS. (TC)
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 3 HRS. (OC)
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 6 HRS. (OC)
Prerequisite: CHILD 240 with a grade of "C" or better or department approval. This course is a continuation of CHILD 240. This course deals with curriculum planning and program development. It considers the roles of the early childhood professionals in meeting the needs of individual children in group settings. Supervised observations and experiences in early childhood programs are included.
Lecture Hours: 2 Laboratory Hours: 12 or equivalent
Chinese

CHN 110 ELEMENTARY MANDARIN CHINESE I 4 HRS. (TC)
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or “C” or better in ENGL 095 or “C” or better in ENGL 099 or department approval. This course is an introduction to Mandarin Chinese. It is designed to develop four basic skills in Mandarin Chinese: listening, speaking, reading, and writing.
Lecture Hours: 4 Laboratory Hours: 0

CHN 111 ELEMENTARY MANDARIN CHINESE II 4 HRS. (TC)
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 4 HRS. (TC)
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) 4 HRS. (TC)
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

Communication

COMM 110 COMMUNICATION: PROCESS AND PRACTICE (C2 900) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course provides the foundations for theoretical understanding about interpersonal communication, intercultural communication, group communication, nonverbal communication, verbal communication, intrapersonal communication, and rhetorical strategies. The course also provides practical application in public speaking and group membership.
Lecture Hours: 3 Laboratory Hours: 0

COMM 113 BUSINESS AND PROFESSIONAL SPEAKING 3 HRS. (TC)
This course is designed to help students by providing them with a variety of practical communication experiences. Such experiences may include: informative presentations, persuasive presentations, sales proposals, problem-solving discussions, group presentations, employment interviews, information seeking-interviews, interpersonal communication and informal conversations.
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 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 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 203 COMMUNICATION: GROUP DYNAMICS 3 HRS. (TC)
Prerequisite: COMM 110 with a grade of “C” or better or department approval. This course introduces the student to the principles and skills of effective group communication. The course will give the student practical experience in working within the group framework and executing group presentations. The student is expected to acquire and demonstrate the basic knowledge and skills necessary for effective group communication.
Lecture Hours: 3 Laboratory Hours: 0

COMM 204 INTERCULTURAL COMMUNICATION 3 HRS. (TC)
Prerequisite: 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 (C2 900) 3 HRS. (TC)
Prerequisite: 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 HR. (TC)
Prerequisite: COMM 115 with a grade of "C" or better or department approval. This course is designed to introduce students to the practice of public relations. Public relations involves chasing stories, researching topics, interviewing, writing, editing, and producing a wide variety of materials for public consumption.
Lecture Hours: 0  Laboratory Hours: 0

COMM 255  COMMUNICATION INTERNSHIP II  1 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.
Lecture Hours: 0  Laboratory Hours: 5 - 20 or equivalent

Computer Management - Cisco

CMCIS 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. It will help prepare the student for the BICSI Registered Installer, Level I certification. Instruction includes, but is not limited to: 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. 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.
Lecture Hours: 3  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 in advanced routing and switching 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. This is the fourth 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 155  CCNA CERTIFICATION REVIEW  1 HR. (OC)
Prerequisite: CMCIS 154 with a grade of "C" or better. 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 configurations. The current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field. Instruction includes, but is not limited to a continuation of all router and switch configurations with a specific focus on the Voice 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 271 with a grade of "C" or better or CCNA certification or department approval. This course is designed to provide students with classroom and advanced laboratory experience focusing on routing technologies. Instruction includes, but is not limited to scalable internetworks, advanced IP addressing management, advanced routing protocol configurations, single and multi-area OSPF, EIGRP, BGP, route optimization, and integrating BGP into ISP networks. This course assists in the preparation for the CCNP certification by further developing networking skills in CCNA core routing technologies while also expanding knowledge and experience in advanced enterprise-level network configurations.
Lecture Hours: 3  Laboratory Hours: 2

CMCIS 273  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. Instruction includes, but is not limited to campus networks, switching, legacy media types, VLANs, trunking, spanning-tree, redundant links, multilayer switching, first-hop redundancy protocols, multicastrcasting, 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 laboratory experience in current and emerging networking technologies that will empower them to enter employment and/or further education and training in the computer networking field.
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 CMPSC 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 HRS. (OC)
The contents of this special topics course will vary to allow an examination of various topics, such as software updates or new software. Each section offered will present a unique topic of value to students in the field of computers. This course may be repeated three times if the topic and content are different. Lecture and laboratory hours per week will vary depending upon the credit given and course content in each section offered.
Lecture Hours: 3 Laboratory Hours: 0

CMGEN 255 INDEPENDENT STUDY 1 HR. (OC)
Prerequisite: Department approval. This course provides the student the opportunity to work on a technical project, research, or other specialized study related to his/her individual academic needs. A written plan for the independent-study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department together with a final written report submitted to the faculty member by the student. This course is repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

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 Microsoft 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. (TG)
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 security issues will be discussed. Students will learn the importance of digital evidence and how to process crime and incident scenes. Finally, they will learn the fundamentals of data acquisition, computer forensic analysis, email investigations, image file recovery, investigative report writing, and expert witness requirements.
Lecture Hours: 2 Laboratory Hours: 2

CMNET 160 INTRODUCTION TO NETWORK SECURITY 3 HRS. (OC)
Prerequisite: CMWEB 110 with a grade of "C" or better or CMCIS 151 with a grade of "C" or better, or concurrent enrollment or department approval. This course will provide an introduction to network security issues. Intended as a survey course, the material covered in this class will provide broad-based knowledge necessary to prepare students for further study in specialized areas of security. Topics covered will include but not be limited to authentication, remote access, intrusion detection, disaster recovery planning, security forensics, and security issues involved in email, web, and wireless networks.
Lecture Hours: 2 Laboratory Hours: 2

CMNET 165 HELP DESK CONCEPTS 3 HRS. (OC)
In this course, students are introduced to the organizational role and operation of the help desk function as it merges technology with communication and customer support services.
Lecture Hours: 2 Laboratory Hours: 2

CMNET 190 WIRELESS NETWORKING 3 HRS. (OC)
Prerequisite: CMCIS 151 with a grade of "C" or better or department approval. The purpose of this course is to provide training for individuals who wish to administer, install, design, and support IEEE 802.11-compliant networks. Students will learn about the fundamental concepts behind wireless networking such as radio frequency basics, network architecture, and access methods as well as to apply this information in practical labs that range from configuration of access points to site-surveys.
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 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 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 260 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 one time; however, it may be used only once to fulfill
the requirement for an Associate in Applied Science degree.
Lecture Hours: 1  Laboratory Hours: 15 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

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 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 requirements
(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

CMWEB 120  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 the fundamentals of server side scripting 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 220  JAVA SCRIPT FOR WEB DEVELOPERS  3 HRS. (OC)
Prerequisite: CMWEB 120 with a grade of “C” or better and one of the following: CMWEB 160 or CMPCS 115, CMPCS 124, or CMPCS 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 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 ECMA Script based languages and libraries will be reviewed in detail (including debugging).
Lecture Hours: 2  Laboratory Hours: 2

CMWEB 235  RICH INTERNET APPLICATIONS  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 architected on current RI A 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 on web servers, to interface legacy applications and to develop new web applications. Use of the Visual Studio Integrated Development Environment will be stressed. Web pages will be developed for multiple browser environments (including mobile devices). Students will be exposed to error handling and debugging techniques. Validation of data submitted via web forms will be reviewed along with interactions with databases and XML data stores. Web services will also be discussed.
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 asDTDs, Schemas, and RELAX NG schemas). There will be emphasis on DOM, AJAX, and related technologies. Web services will be created and consumed using various tools. Formatting of XML documents with XSL (including XSLT and XSL-FO) and CSS will be reviewed. Current technologies and emerging technologies based on XML will be reviewed.
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 required provided (or the equivalent hours of experience working on approved web projects). This can be working either at a for-profit or not-for-profit organization. The student will need to work with someone other than himself or herself on this project. The student’s work will include those experiences that involve actual web design and development activities. This course may be repeated two times, however it may be used only once to fulfill the requirement for an Associate in Applied Science degree.
Lecture Hours: 2  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 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 complete this course by developing web sites with appropriate tools and methodologies. Tools that automate these processes will be discussed.
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 viewport. 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 160 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

Computer Science

CMPCS 115  CS I: ESSENTIALS OF PROGRAMMING  3 HRS. (TC)
This course is designed to give students exposure to essential object-oriented programming concepts. The primary goal is to familiarize students to a disciplined approach to programming logic, problem-solving methods, algorithm development, and software security awareness. The course teaches: program design, coding, testing, debugging, and documentation at the introductory level. When completed, the student will be able to solve programming tasks in socially responsible disciplined fashion. Students are expected to be Windows proficient prior to this course.
Lecture Hours: 2  Laboratory Hours: 2

CMPCS 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

CMPCS 122  INTRODUCTION TO COMPUTER SECURITY  3 HRS. (OC)
Prerequisite: CMPCS 115 or concurrent enrollment with department approval. This course provides an overview of the fundamentals of computer security. Topics include security standards, policies, and best practices, principles, mechanisms, and implementation of computer security and data protection; security policy, encryption, and authentication; access control and integrity models and mechanisms; network security, secure systems; programming and vulnerabilities analysis; principles of ethical and professional behavior; regulatory compliance and legal issues;
information assurance; risk management and threat assessment; business continuity and disaster recovery planning; and security across the life cycle (requirements, architecture and design, construction, testing, operation, maintenance, acquisition, and services). Lecture Hours: 2 Laboratory Hours: 2

**CMPS 124 EVENT-DRIVEN PROGRAMMING IN VISUAL BASIC 3 HRS. (TC)**

This introductory course in event-driven programming will introduce the student to real world applications for the world’s most widely used operating system, Microsoft Windows. The student will become familiar with how computers are programmed, the Visual Basic editor (IDE), control structures, procedures and functions, arrays, data types, graphics and graphical user interfaces, event-driven programming (task/object/event), error handling, and sequential and random access file processing. Concentration will be on writing well-structured and user-friendly programs. MS Windows proficiency is expected of students desiring to take this course. 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 II: PROGRAMMING IN JAVA 3 HRS. (TC)**

Prerequisite: MAT 098 or higher, with a grade of “C” or better, or equivalent. This intermediate course is the second in a sequence of Java object-oriented programming courses. The student is introduced to a disciplined approach to problem-solving with emphasis on algorithm development, in addition to an introduction to procedural and data abstraction. This course will cover control structures; program design, testing, and documentation using software assurance and ethical conduct. Lecture Hours: 2 Laboratory Hours: 2

**CMPS 140 INTRODUCTION TO RELATIONAL DATABASES 3 HRS. (OC)**

Prerequisite: CMPS 115 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 normalized 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 covering 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 programming design, implementation, testing, documentation using COBOL, arrays, records, string processing, and files are covered. Sorting and searching techniques and interactive programming will also be introduced. Specifically, direct access file techniques, master file update, and control break logic are covered. Program linkage and parameter processing are also introduced. Lecture Hours: 3 Laboratory Hours: 2

**CMPS 222 SECURE CODING 3 HRS. (OC)**

Prerequisite: CMPS 135 with a grade of “C” or better or concurrent enrollment in CMPS 135 with department approval. This course covers security vulnerabilities of programming in weakly typed languages like C and in more modern languages like Java. Common weaknesses exploited by attackers are discussed, as well as mitigation strategies to prevent those weaknesses. Students practice programming and analysis of software systems through testing and static analysis. Lecture Hours: 2 Laboratory Hours: 2

**CMPS 224 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-structured and user-friendly applications for business. Lecture Hours: 2 Laboratory Hours: 2

**CMPS 225 DATABASE ADMINISTRATION 3 HRS. (OC)**

Prerequisite: CMPS 245 with a grade of “C” or better or CMNET 210 with a grade of “C” or better or department approval. This course is designed to give the database administrator (DBA) a firm foundation in basic administrative tasks and provide the necessary knowledge and skills to set up, maintain, and troubleshoot a relational database management system.
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

**CMPSC 270  STRUCTURED SYSTEM ANALYSIS**  3 HRS. (OC)
Prerequisite: CMPSC 215 or CMPSC 212 or CMPSC 235, any with a grade of "C" or better or department approval. This course presents to the student the SDLC, System Development Life Cycle, as the basis for the development of computer systems. Various analysis tools will be taught to aid students in the preparation of all aspects of system development.
Lecture Hours: 2  Laboratory Hours: 2

**Criminal Justice**

**CRJ 110  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 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 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, policy making ethics, and forensic issues that relate specifically to the criminal justice system. The course will also cover topical studies and take advantage of current news stories as an opportunity to explore moral mistakes and triumphs in modern life in criminal justice. This will enable students to explore their own ethical and moral systems and how they make ethical/moral decisions.
Lecture Hours: 3  Laboratory Hours: 0

**CRJ 130  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 190  9-1-1 TELECOMMUNICATOR I**  3 HRS. (OC)
This course covers the fundamentals of calling-taking and dispatching emergency calls, specifically for the police, fire and emergency medical service (EMS) departments.
Lecture Hours: 3  Laboratory Hours: 0

**CRJ 191  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 as a "cadet" while engaged in on-the-job training with experienced criminal justice personnel. The student will also do individual research and study in the student's field of interest as approved and directed by the instructor.
Lecture Hours: 1  Laboratory Hours: 10 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 213  GENDER AND CRIME**  3 HRS. (TC)
This course examines the historical and contemporary issue and response of gender and its interrelation to crime. It explores how the social acception that define gender have impacted the study of women and crime. The course surveys the general and feminist theories that attempt to explain female offending and the patterns of offending. It further explores female victimization. Women professionals in the judiciary, corrections and law enforcement will also be discussed.
Lecture Hours: 3  Laboratory Hours:

**CRJ 222  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 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 periodic direction of the instructor. It is limited to three credit hours per semester.
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

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 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 sauces and soups, salads, sandwiches and the wholesome and sanitary preparation of sausage, terrines, cured and smoked meats and cheese.
Lecture Hours: 2 Laboratory Hours: 3

CA 157  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 food service 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: 2

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 906 )  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 warmups, barre and center technique, simple turns, leaps, and combinations emphasizing the use of the body’s center.
Lecture Hours: 1 Laboratory Hours: 1

DANCE 131  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 warmups, 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: 3

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: 1

DANCE 160 MUSICAL THEATRE DANCE 1 HR. (TC)  
This course is a study of dance in musical theatre 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 theatre performers with regards to dance.  
Lecture Hours: 0 Laboratory Hours: 2

DANCE 210 ADVANCED TECHNIQUES OF CLASSICAL BALLET 2 HRS. (TC)  
Prerequisite: DANCE 120 with a grade of “C” or better or audition. The student will learn advanced skills and techniques with emphasis on pure classical dance and performing experience. One lecture and three laboratory hours per week.  
Lecture Hours: 1 Laboratory Hours: 3

DANCE 211 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 ARCTK 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 INTERNSHIP 2 HRS. (OC)  
Prerequisite: DECON 101 with a grade of “C” or better, and either DECON 102 with a grade of “C” or better or ARCTK 203 with a grade of “C” or better. This course will provide hands-on deconstruction experience in the laboratory and/or in the field.  
Lecture Hours: 0 Laboratory Hours: 10

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: DHYGN 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: 0

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: DHYGN 110, 113, 115, 117, BIOL 210, and FCS 110 (or concurrently), all with a grade of “C” or better or department approval. This course will introduce students to the study of dental deposits and their etiology in dental diseases, personal control of dental disease, periodontal charting, and the discussion of ancillary procedures, such as power-driven scalers and polishers, generalized patient assessment, appointment sequencing, and post-operative instruction.  
Lecture Hours: 2 Laboratory Hours: 0

DHYGN 133 PRECLINICAL DENTAL HYGIENE 2 HRS. (OC)  
Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of “C” or better, or department approval. This course is a continuation of instrumentation skills necessary for oral prophylaxis, aseptic procedures, and dental equipment care and maintenance. Student partners, mannequins, and selected patients are used in the laboratory to demonstrate instrumentation techniques.  
Lecture Hours: 0 Laboratory Hours: 6

DHYGN 135 DENTAL RADIOLOGY 3 HRS. (OC)  
Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of “C” or better, or department approval. This course is a comprehensive study of dental radiation physics, radiation hygiene practices, factors affecting radiographic quality, theory and practice of intraoral and panoramic radiographic techniques, interpretation of normal landmarks, abnormal conditions, and patient education. Laboratory practice on a teaching mannequin is followed by experience with selected patients.  
Lecture Hours: 2 Laboratory Hours: 3

DHYGN 137 MEDICAL EMERGENCIES 1 HR. (OC)  
Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of “C” or better, or department approval. This course is a study of recognition, evaluation, treatment, and prevention of medical emergency situations that may occur in dental office settings.  
Lecture Hours: 1 Laboratory Hours: 0

DHYGN 139 SPECIAL POPULATIONS 1 HR. (OC)  
Prerequisite: DHYGN 110, 113, 115, and 117, all with a grade of “C” or better, or department approval. Discussion in this course will focus on the signs and symptoms,
features of numerous types of oral diseases as well as their diagnosis and treatment. Lecture Hours: 3 Laboratory Hours: 0

DHYGN 212 DENTAL MATERIALS 2 HRS. (OC)
Prerequisite: DHYGN 111, 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 220 NITROUS OXIDE ANALGESIA 0.5 HR. (OC)
Prerequisite: DHYGN 110, 111, 131, 133, 135, 137, and 139, all with a grade of "C" or better, or department approval. This course is an introduction to anxiety and pain control using nitrous oxide/oxygen (N2O2) sedation in dental hygiene treatments. The use of student partners will be utilized to demonstrate the usage of selected materials.
Lecture Hours: 0.5 Lab Hours: 0.5 or equivalent

DHYGN 222 PREVENTIVE MODALITIES 3 HRS. (OC)
Prerequisite: DHYGN 111, 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: DHYGN 110, 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: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better, or department approval. This course is a study of the emerging trends in dental hygiene. The students will acquire knowledge and perform skills associated with new technology in the field of dentistry and dental hygiene. The use of student partners will be utilized to demonstrate the usage of selected materials.
Lecture Hours: 1 Laboratory Hours: 2

DHYGN 230 DENTAL HYGIENE CLINIC I 2 HRS. (OC)
Prerequisite: DHYGN 111, 131, 133, 135, 137, and 139, all with a grade of "C" or better, or department approval. This course is a continued study of clinical dental hygiene, including: scaling, polishing, radiographic surveys, desensitization, oral inspection, charting, health histories, health education, and appointment planning.
Planner and supervisor experiences are arranged in the dental hygiene clinic.
Lecture Hours: 0 Laboratory Hours: 6

DHYGN 231 DENTAL HYGIENE CLINIC II 5 HRS. (OC)
Prerequisite: DHYGN 212, 220, 222, 230, and 243, all with a grade of "C" or better, or department approval. This course is a continuation of DHYGN 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, 220, 222, 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, 131, 133, 135, 137, and 139, all with a grade of "C" or better, or department approval. This course covers the clinical and microscopic features of numerous types of oral diseases as well as their diagnosis and treatment.
Lecture Hours: 1 Laboratory Hours: 0
Course Descriptions

**DPET 133  ENGINE REBUILDING, THEORY AND PRACTICE** 3 HRS. (OC)
Prerequisite: WELD 120 or concurrent enrollment, or proficiency in welding, and 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 or equivalent

**DPET 229  HYDRAULICS** 3 HRS. (OC)
Prerequisite: Department approval. This course is a practical study of basic principles and components of hydraulic circuits and the application of these principles to the agricultural and industrial construction equipment industry. Major emphasis is on developing student competencies in the areas of servicing and maintaining hydraulic equipment. Laboratory practices include dis-assembly and reassembly of components and circuits.
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 course is a study of basic mechanical principles involved in the design and operation of planting equipment for crops of local importance. Emphasis is on assembly, field operation, adjustment, maintenance, and safety.
Lecture Hours: 1  Laboratory Hours: 3

**DPET 232  TRANSMISIONS 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 planetaries. 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 in 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: 1  Laboratory Hours: 6

**DPET 238  OCCUPATIONAL INTERNSHIP AND SEMINAR II** 4 HRS. (OC)
Prerequisite: Department approval. This supervised experience is required of students enrolled in the Diesel Powered Equipment Technology program. Student needs and objectives determine major emphasis.
Lecture Hours: 0  Laboratory Hours: 25

**DPET 239  POWER TRAIN DIAGNOSTICS** 2 HRS. (OC)
Prerequisite: Department approval. This course will acquaint the student with power train diagnostics. Special emphasis will be given to diagnostic procedures. A comprehensive study will be made of each malfunction and test data interpretation. Laboratory practices will include proper use of diagnostic equipment, troubleshooting procedures, adjustment and repair of power train units.
Lecture Hours: 1  Laboratory Hours: 3

**DPET 240  SERVICE CENTER MANAGEMENT** 1 HR. (OC)
Prerequisite: Department approval. This course is a study of the organization and operation of a profitable heavy equipment service department. Emphasis is placed on facilities, pricing service labor, accounting, warranty, reports, and supervising personnel.
Lecture Hours: 1  Laboratory Hours: 0

**DPET 241  MECHANICAL DIESEL FUEL SYSTEMS** 3 HRS. (OC)
Prerequisite: Department approval. This course provides a thorough understanding of mechanical diesel fuel injection systems. Emphasis on skills and knowledge necessary to locate and correct operation malfunctions.
Lecture Hours: 2  Laboratory Hours: 3

**DPET 242  ELECTRONIC FUEL SYSTEMS** 3 HRS. (OC)
Prerequisite: Department approval. This course will acquaint the student with the mechanical and electronic operation of diesel electronic fuel systems. Special emphasis will be placed upon proper use of electronic service tools.
Lecture Hours: 2  Laboratory Hours: 3

**DPET 243  ENGINE PERFORMANCE ANALYSIS** 2 HRS. (OC)
Prerequisite: Department approval. This course is designed to provide a thorough understanding of the necessary diagnostic skills required for troubleshooting the diesel engine and fuel system. Emphasis will be placed upon knowledge and skills necessary to assure product reliability and performance.
Lecture Hours: 1  Laboratory Hours: 3

**DPET 244  GUIDANCE SYSTEMS** 2 HRS. (OC)
Prerequisite: Department approval. This course includes introductory concepts of machine auto guidance and telematics systems used on diesel powered equipment.
Lecture Hours: 2  Laboratory Hours:

**DPET 245  TRUCK SUSPENSION, BRAKES AND CHASSIS** 3 HRS. (OC)
Prerequisite: Department approval. This course is designed to study the suspension components of heavy trucks and tandem axle trailers. The course content will cover brakes, suspension and steering components.
Lecture Hours: 2  Laboratory Hours: 3

**DPET 246  INDUSTRY QUALIFICATIONS** 2 HRS. (OC)
Prerequisite: Department approval. This course will demonstrate students' proficiency relative to the Cummins engine product.
Lecture Hours: 2  Laboratory Hours: 0

**DPET 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 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. Repeatability up to a maximum of five semester hours of credit.
Lecture Hours: 0  Laboratory Hours: 3 - 15 or equivalent

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**Drug and Alcohol Counselor Training**

**DACT 105  INTRODUCTION TO SUBSTANCE ABUSE AND RECOVERY** 3 HRS. (OC)
Prerequisite: Department approval. In this course students will be introduced to basic concepts and issues in substance abuse/dependence, treatment, and recovery. The student will also learn about assessment regarding substance use disorders and gain information related to both professional and nonprofessional (eg; AA, NA) options and methods for recovery from substance use disorders.
Lecture Hours: 3  Laboratory Hours: 0

**DACT 110  FOUNDATIONS I** 3 HRS. (OC)
Prerequisite: Department approval. This course introduces the student to the history, modes, rules and regulations of alcohol and drug treatment. Specific topics of discussion will include evolution of response systems for treatment, delivery systems such as out-patient and residential treatment and accepted procedures for intake, discharge, confidentiality and client rights.
Lecture Hours: 3  Laboratory Hours: 0

**DACT 111  ADDICTION COUNSELING I** 3 HRS. (OC)
Prerequisite: Department approval. This course introduces the student to the clinical issues and strategies related to initial contacts with a client, preparation of the client for a successful treatment experience and the issues and concerns of the first phase of drug and alcohol treatment. Specific topics considered in this course include client screening, intake procedures, orientation procedures, assessment, treatment planning and modes of treatment.
Lecture Hours: 3  Laboratory Hours: 0
EASC 250  FIELD GEOLOGY (P1 907)  4 HRS. (TC)
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  3 HRS. (OC)
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

Education
EDUC 111  INTRODUCTION TO AMERICAN EDUCATION  3 HRS. (TC)
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  3 HRS. (TC)
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  2 HRS. (TC)
Prerequisite: EDUC 111 with a grade of "C" or better. This course is designed to provide the student with practical experience in the public/private schools and/or other educational agencies under the supervision of competent professional educators. The course is aligned with the Illinois Professional Teaching Standards and emphasizes the communication, responsibility, and collaboration dispositions needed for teaching. Usually taught in one-half school day per week in the field and two-hour classes per month.
Lecture Hours: 1 Laboratory Hours: 3

EDUC 213  DIVERSE LEARNERS IN THE CLASSROOM  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher (or equivalent), or department approval. This course focuses on professional ethics, special populations, and clinical supervision in drug and alcohol treatment. Topics of discussion will include the disease model of addiction, 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

Earth Science
EASC 111  SURVEY OF EARTH SCIENCE (P1 905L)  4 HRS. (TC)
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. This course is particularly suited for students not majoring in the sciences.
Lecture Hours: 3 Laboratory Hours: 2

EASC 116  INTRODUCTION TO GEOLOGY (P1 907L)  4 HRS. (TC)
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

EASC 118  INTRODUCTION TO WEATHER AND CLIMATE (P1 905L)  4 HRS. (TC)
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
EDUC 250  PARAEDUCATOR PRACTICUM INTERNSHIP  4 HRS. (OC)
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  2 HRS. (OC)
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 - D.C. CIRCUITS  2 HRS. (OC)
Prerequisite: MAT 106 with a grade of "C" or better or higher mathematics course. This study lays the foundation for all of the electronics with the study of Ohm's Law and its application to D.C. circuits. Major topics include: Ohm's Law, series circuits, parallel circuits, combination circuits, Kirchoff's Laws, and power relationships. Major emphasis is placed on hands-on laboratory experimentation.
Lecture Hours: 1 Laboratory Hours: 3

ELCTS 133  SERVICE ELECTRONICS - A.C. CIRCUITS  2 HRS. (OC)
Prerequisite: 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 134  SERVICE ELECTRONICS - BASIC SOLID STATE  2 HRS. (OC)
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 135  SERVICE ELECTRONICS - ADVANCED SOLID STATE  2 HRS. (OC)
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 136  SERVICE ELECTRONICS - DIGITAL CIRCUITS  2 HRS. (OC)
Prerequisite: ELCTS 131, ELCTS 132, and ELCTS 133 all 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  2 HRS. (GSC)
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  2 HRS. (OC)
This course is intended to acquaint the student with the fundamentals of residential and commercial wiring. Selected topics will be covered including: mapping an electrical system, wires and conduit, switching, switches, substituting new plugs and receptacles for old ones, installing new wiring (both indoors and outdoors), and how to check the work. Students will repair and install basic electrical devices under the instructor's supervision.
Lecture Hours: 1 Laboratory Hours: 2 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 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 theory. Topics include National Electrical Code, test equipment, print reading, over current protection, magnetic and ladder devices, D.C. motors and generators, and A.C. motors and generators.
Lecture Hours: 3 Laboratory Hours: 3

ELCTK 151  ELECTRICAL SYSTEMS TROUBLESHOOTING  3 HRS. (OC)
Prerequisite: ELCTK 150 with a grade of "C" or better. 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  TRANSUCERS 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
### Course Descriptions

#### EMS 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 EMS 114, students may apply to take the Illinois Department of Public Health or National Registry of Emergency Medical Technicians EMT licensure exam.

Lecture Hours: 7  Laboratory Hours: 3 or equivalent

#### EMS 116  TRAUMA LIFE SUPPORT  1 HR. (OC)
Prerequisite: Current Illinois or National Registry of Emergency Medical Technicians EMT-I, AEMT, or Paramedic licensure/certification or equivalent; department approval. This course is designed to enhance and build on the student's existing knowledge and training in the treatment of a trauma victim. Emphasis will be placed on patient assessment and management. Course topics include rapid assessment, resuscitation, stabilization and transportation of trauma victims. Students successfully completing the course will earn certification in trauma life support by an accredited certifying agency.

Lecture Hours: 1  Laboratory Hours: 0.5 or equivalent

#### EMS 117  ADVANCED CARDIAC LIFE SUPPORT (ACLS)  1 HR. (OC)
Prerequisite: Current American Heart Association - Healthcare Provider CPR certification; physician, nursing, EMT, paramedic, respiratory therapy, or other appropriate allied/clinical health personnel; department approval. This course is designed to provide specialized instruction in the management of cardiovascular related emergencies and to prepare emergency and critical care personnel such as physicians, nurses, emergency medical technicians, paramedics, respiratory therapists and other appropriate healthcare professionals to provide treatment for a cardiovascular emergency. Upon successful completion of the course, the student will be issued an American Heart Association ACLS provider card.

Lecture Hours: 1  Laboratory Hours: 0.5 or equivalent

#### EMS 118  PEDIATRIC EDUCATION FOR PRE-HOSPITAL PROVIDERS (PEPP)  1 HR. (OC)
Prerequisite: EMS 114 with a grade of "C" or better or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least "72"; department approval. This course provides specialized instruction for the pre-hospital provider in the assessment and management of pediatric emergencies. Instruction will focus on child and family interaction and communication, assessment and treatment of medical and traumatic emergencies, as well as patient stabilization and transport. Students successfully completing the course will be issued a PEPP course completion card through the American Academy of Pediatrics (AAP).

Lecture Hours: 1  Laboratory Hours: 0.5 or equivalent

#### EMS 120  EMT PRACTICUM  1 HR. (OC)
Prerequisite: EMS 114 with a grade of "C" or better or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least "72"; department approval. This course provides a planned and supervised clinical experience in the pre-hospital environment with local transport and non-transport emergency medical services agencies. During this course, students will be provided the opportunity to participate as a member of the healthcare delivery team in order to enhance the knowledge and skills learned in the Emergency Medical Technician (EMT) course.

Lecture Hours: 1 Laboratory Hours: 5 - 15 or equivalent

#### EMS 230  PARAMEDIC I  7 HRS. (OC)
Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; completion of, or concurrent enrollment in EMS 120; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least "72"; department approval. This course is the second of six designed to prepare the student to function as a Paramedic. Detailed instruction in airway management, pharmacology, and medication administration will be provided. Further instruction will focus on the pathophysiology and management of trauma, to include assessment of the trauma patient, management of Traumatic Injuries, and current trends in trauma management. Practical laboratory sessions and selected clinical experiences provide patient contact opportunities to correlate with the course content.

Lecture Hours: 6  Laboratory Hours: 2 or equivalent

#### EMS 231  PARAMEDIC II  7 HRS. (OC)
Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; completion of, or concurrent enrollment in EMS 120; EMS 230 or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least "72"; department approval. This course is the second of six designed to prepare the student to function as a Paramedic. Detailed instruction in airway management, pharmacology, and medication administration will be provided. Further instruction will focus on the pathophysiology and management of trauma, to include assessment of the trauma patient, management of Traumatic Injuries, and current trends in trauma management. Practical laboratory sessions and selected clinical experiences provide patient contact opportunities to correlate with the course content.

Lecture Hours: 6  Laboratory Hours: 3 or equivalent
Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; completion of, or concurrent enrollment in EMS 120; EMS 231 with a grade of "C" or better or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This is the third of three 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

EMS 233 PARAMEDIC IV

Prerequisite: BIOL 111 and EMS 114 both with a grade of "C" or better or equivalent; completion of, or concurrent enrollment in EMS 120; EMS 232 or equivalent; current Illinois EMT licensure or National Registry of Emergency Medical Technicians EMT certification; COMPASS reading score of at least 72; department approval. This is the fourth of six courses designed to prepare the student to function as a Paramedic, and provides concentrated instruction in the assessment and management of neonatal, pediatric, OB/GYN and geriatric emergencies. Diverse patient populations such as those with behavioral disorders, long-term care and the chronically ill patient will be studied and discussed. Practical laboratory sessions and selected clinical experiences provide patient contact opportunities to correlate with the course content.

Lecture Hours: 6 Laboratory Hours: 1 or equivalent

EMS 240 PARAMEDIC PRACTICUM I

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

EMS 241 PARAMEDIC PRACTICUM II

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

EMS 255 INDEPENDENT STUDY

Prerequisite: Current Illinois or National Registry of Emergency Medical Technicians EMT, EMT-Paramedic or Paramedic licensure/certification or equivalent; department approval. This course provides the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is developed with a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

EMT 120 EMERGENCY MEDICAL TECHNICIAN – BASIC PRACTICUM

Prerequisite: EMT 111 or equivalent; current State of Illinois Emergency Medical Technician Basic License; department approval. This course provides a planned and supervised clinical experience with an emergency medical services agency.

Lecture Hours: 0 Laboratory Hours: 5

EMT 210 EMERGENCY MEDICAL TECHNICIAN – INTERMEDIATE I

Prerequisite: EMT 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

EMT 215 EMERGENCY MEDICAL TECHNICIAN – INTERMEDIATE II

Prerequisite: Successful completion of EMT 210; department approval. This course is the second of three designed to prepare the student to function as an Emergency Medical Technician-Intermediate (EMT-I) with an intermediate or advanced life support unit. Emphasis is placed on the assessment and treatment of diabetic and neurological emergencies, allergic reactions, poisoning and overdoses, abdominal emergencies, obstetrical and gynecological emergencies, neonatal and pediatric emergencies, geriatric emergencies, and the special needs patient. Selected clinical experiences will be provided to correlate with the course content.

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 gained 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, medico-legal aspects of advanced emergency care, patient advocacy, and an overview of human systems and physiology. Instruction in patient assessment, pharmacology and pharmacodynamics, intravenous/intranasal 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

Lecture Hours: 0 Laboratory Hours: 15 or equivalent

ILLINOIS CENTRAL COLLEGE COLLEGE CATALOG 2016-2017

Course Descriptions
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 – PARAMEDIC PRACTICUM  4 HRS. (OC)
Prerequisite: Successful completion of EMT 233; current State of Illinois Emergency Medical Technician-Intermediate license; department approval. This course is designed to provide the EMT-Paramedic student educational experience with an advanced life support unit. The experiences gained during this course will further develop the skills and knowledge gleaned in EMT 230-233.
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. This course will teach the student 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 potential, understand solar radiation and temperature data, size a system, identify system components, determine the best location for collectors, and determine structural integrity for an installation.
Lecture Hours: 2  Laboratory Hours: 0

EERE 123  SOLAR WATER HEATING LAB  3 HRS. (OC)
Prerequisite: EERE 120 with a grade of “C” or better. In this course, students will learn the basics of how to properly install two types of solar domestic hot water systems suitable for northern climates. The hands-on course includes both theory and installation practice. Participants will work as a group to install both a drain back and pressurized closed-loop system on a training roof. This course will qualify the student to be on the Focus on Energy Full Service Installer list, provides fourteen Wisconsin Department of Commerce continuing education units, and twenty-one North American Board Certified Energy Practitioners (NABCEP) continuing education credits.
Lecture Hours: 1  Laboratory Hours: 4

EERE 124  SOLAR THERMAL DESIGN  2 HRS. (OC)
Prerequisite: EERE 123 with a grade of “C” or better. In this course, students will learn the principles and application of hot water load analysis, component sizing, heat storage, heat distribution, and system efficiency in the design of solar thermal systems. Students will work to apply these considerations as they design four solar thermal systems based on actual case studies of space heating, domestic hot water, process heating, and pool heating systems.
Lecture Hours: 2  Laboratory Hours: 0

EERE 130  SOLAR THERMAL HEATING SYSTEMS I  4 HRS. (OC)
Prerequisite: REACT 120 and DECON 102 both with a grade of “C” or better. In this course, students will learn the components of the different types of residential solar domestic hot water (SDHW) systems and residential solar thermal space heating systems and assemble the primary components on a solar thermal trainer. Also, students will learn how to assess a home for its potential for a solar domestic hot water (SDHW) system/solar thermal space heating system.
Lecture Hours: 3  Laboratory Hours: 2

EERE 135  SOLAR THERMAL HEATING SYSTEMS II  4 HRS. (OC)
Prerequisite: EERE 130 with a grade of “C” or better. In this course, students will learn the principles and applications of hot water/air load analysis, component sizing, heat storage, heat distribution, and system efficiency in the design of solar thermal systems. Students will work to apply these principles as they design four solar thermal heating systems based on actual case studies of space heating, domestic hot water, process heating, and pool heating systems. Also, students will learn how to properly install two types of solar domestic hot water systems suitable for northern climates and build a solar air collector. Students can build their own dry/wet collector to take home if the student provides the construction materials.
Lecture Hours: 3  Laboratory Hours: 3

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  1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in EERE 151. Students in this course will learn how to perform a photovoltaic (PV) site assessment for a home.
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) design and installation.
Lecture Hours: 2  Laboratory Hours: 0

EERE 156  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)  1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in EERE 155. This course will provide the student with a basic knowledge of the National Electric Code (NEC) as it applies to photovoltaic (PV) design and installation.
Lecture Hours: 1  Laboratory Hours: 0

EERE 167  PRINCIPLES OF BATTERY-BASED PHOTOVOLTAIC (PV) SYSTEMS  1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in EERE 155. This course will provide the student with a comprehensive overview of the issues surrounding the use of batteries for photovoltaic (PV) applications.
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: 1

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: 4

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 (EGR931L)  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 CMPSC 125 with a grade of "C" or better or department approval. This course introduces the student to the analysis and design of digital circuits and systems. Topics include: analog and digital information representation, combinational and sequential switching circuits and hardware, stored program systems, and an introduction to microprocessors.
Lecture Hours: 3  Laboratory Hours: 0

ENGR 251  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 fluids; calculation of centroids and moments of inertia using both integration and the method of composites; the principle of virtual work.
Lecture Hours: 3  Laboratory Hours: 0

ENGR 252  DYNAMICS (EGR 943)  3 HRS. (TC)
Prerequisite: ENGR 251 with a grade of "C" or better and credit or current 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 stress, force, strain, and deflection of beams, shafts and columns; analytical methods for determining strength, stiffness and stability; strength and failure criteria in member design; indeterminate problems; transformations for multi-axial stress and strain states.
Lecture Hours: 3  Laboratory Hours: 0

ENGLISH

ENGL 085  PREPARATION FOR COLLEGE READING AND WRITING 085  6 HRS. (BEC)
Prerequisite: 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 095  PREPARATION FOR COLLEGE READING AND WRITING 095  6 HRS. (BEC)
Prerequisite: 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  ALP: PREPARATION FOR COLLEGE READING AND WRITING  3 HRS. (BEC)
Prerequisite: Concurrent enrollment in ENGL 110 and appropriate score on placement exam or departmental approval. This course reviews the skills and knowledge needed to be successful in the college classroom while supporting success in ENGL 110. Students will read critically and write developed essays.
Lecture Hours: 3  Laboratory Hours: 0

ENGL 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 ideas of the writer) to writing referential compositions (explaining or analyzing the subject matter for the reader) to writing persuasive compositions (persuading an audience), through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is referential.
Lecture Hours: 3  Laboratory Hours: 0

ENGL 111  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: COMPASS reading score of 81 or higher, or equivalent, or ENGL 095, ENGL 099, ENGL 105, or ENGL 110, any with a grade of "C" or better, or department approval. This course deals with writing reports, forms, memos, letters, job-application letters, and resumes. Group projects and presentations of varying lengths and complexity are also completed. Students will produce a minimum of 2500 words of revised writing.
Lecture Hours: 3  Laboratory Hours: 0

ENGL 117  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: COMPASS reading score of 81 or higher, or equivalent, or ENGL 095, ENGL 099, ENGL 105, or ENGL 110, any with a grade of "C" or better, or department approval. This course introduces the student to a series of related activities, such as interviewing skills, job application techniques, business writing skills, effective speaking skills, listening skills, and other business communication tasks. Students will produce a minimum of 2500 words of revised writing.
Lecture Hours: 3  Laboratory Hours: 0
ENGL 130 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: COMPASS reading score of 81 or higher, or equivalent, or ENGL 095, ENGL 105, or ENGL 110, any with a grade of “C” or better, or department approval. This course involves the development of clear, concise, technical style of writing, logical organization of material, and the use of drawings, illustrations, and tables in supporting and clarifying report content. Types and forms of reports and the correct format of business letters are studied. Written projects include reports and letters of varying lengths and degree of complexity. Students will produce a minimum of 2500 words of revised writing.
Lecture Hours: 3 Laboratory Hours: 0

ENGL 210 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 or equivalent

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: 3 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 strengthens development of writing skills in progressively longer compositions based on personal experience while continuing to stress development of reading ability. Writing assignments are designed to prepare students for ESL 106. Repeatable up to three times.
Lecture Hours: 3 Laboratory Hours: 0

ESL 106 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: 0 or equivalent

English Language Learners

ELL 099 BEGINNING COMPOSITION FOR NON-NATIVE ENGLISH LANGUAGE LEARNERS 5 HRS. (ABE)
Prerequisite: Appropriate score on reading placement and CELS. 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 80 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 Sciences

FCS 110 BASIC NUTRITION 2 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a study of basic nutrition to help the student acquire relevant information about nutrition, which they can use professionally and/or personally. The course will cover the practical aspects of normal nutrition, ways to promote sound eating habits throughout the life cycle, and physiological contributions nutrients make to body structure and function.

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 the nutritional requirements of individuals during different stages throughout their lifecycle.

Lecture Hours: 3  Laboratory Hours: 0

Film

FILM 110 SURVEY OF FILM (FZ 908) 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 HR. (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 3 HRS. (OC)
Prerequisite: Department approval. This course is a basic introduction to the principles of vocational level skill training for people who will be conducting on-the-job fire training in local fire departments. This course will not teach firemanship, but will equip firemanship trainers with basics of adult vocational skills teaching.

Lecture Hours: 3  Laboratory Hours: 0

FRSTK 112 FIRE PREVENTION AND LEGAL ASPECTS OF FIRE PROTECTION 3 HRS. (OC)
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 pressures, 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 develop-
ment 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. 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 HR. (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 or equivalent
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 or equivalent
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 I 3 HRS. (OC)
Prerequisite: Illinois Certified Firefighter II. This course covers hazardous materials
awareness and first responder requirements specified in the State of Illinois Fire
Marshal guidelines to meet OSHA standards.
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
FRSTK 252 FIRE SERVICE MANAGEMENT II 3 HRS. (OC)
Prerequisite: FRSTK 110 with a grade of "C" or better or department approval.
This course is intended as a management program for present and potential members
of the fire service. It is designed to fulfill state requirements for Fire Officer I and
expand the present program curriculum in the area of management.
Lecture Hours: 3 Laboratory Hours: 0
FRSTK 253 FIRE SERVICE MANAGEMENT III 3 HRS. (OC)
Prerequisite: FRSTK 250 and FRSTK 252 both with a grade of "C" or better. This
course is designed to prepare the student for the position of a senior officer on a fire
department. A study is made of the roles and functions of the senior officer positions.
This is the first of two management classes for Fire Officer II certification.
Lecture Hours: 3 Laboratory Hours: 0
FRSTK 254 FIRE MANAGEMENT IV 3 HRS. (OC)
Prerequisite: FRSTK 253 with a grade of "C" or better. This course is designed to
fit the needs of a senior fire officer in learning to use the group process for planning,
decision-making and team development. It is a class designed to meet the require-
ments established by the Illinois State Fire Marshal for certification as a Fire Officer II.
Lecture Hours: 3 Laboratory Hours: 0
FRSTK 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 a faculty
member (including a detailed description of the project, the number of credit hours
assigned to it, the evaluative criteria to be used, and other relevant matters), and the
project is carried out under the periodic direction of the faculty member. The written
plan is submitted to the dean/associate dean for approval and remains on file within
the department, together with a final written report submitted to the faculty member
by the student. Repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15

French
FR 110 ELEMENTARY FRENCH 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 audio-lingual approach the four basic skills in French: listening,
speaking, reading, and writing.
Lecture Hours: 4 Laboratory Hours: 0
FR 111 ELEMENTARY FRENCH II 4 HRS. (TC)
Prerequisite: FR 110 with a grade of "C" or better or equivalent. This course is a
continuation of FR 110 with emphasis on listening, speaking, reading, and writing.
The course is conducted primarily in French.
Lecture Hours: 4 Laboratory Hours: 0
FR 210 INTERMEDIATE FRENCH I 4 HRS. (TC)
Prerequisite: FR 111 with a grade of "C" or better or equivalent. This course is a
continuation of FR 210 with emphasis on listening, speaking, reading, and writing.
The course is conducted primarily in French.
Lecture Hours: 4 Laboratory Hours: 0
FR 211 INTERMEDIATE FRENCH II (H1 900) 4 HRS. (TC)
Prerequisite: COMPASS reading score of 61 or higher, or equivalent, or department
approval and FR 210 or equivalent. This course is a continuation of FR 210 with
emphasis on advanced conversation, reading, and composition. This course is
conducted in French.
Lecture Hours: 4 Laboratory Hours: 0 or equivalent
GED Preparation

GEDPR 080 ABE COMMUNICATION AND MATHEMATICAL SKILLS 2 HRS. (ABE)
Prerequisite: Reading level of 4 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student develop mathematical vocabulary, skills in arithmetic, and mathematical analysis. Repeatable up to a maximum of three times.
Lecture Hours: 2 Laboratory Hours: 0 or equivalent

GEDPR 081 ABE MATHEMATICS I 1 HR. (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: 1 Laboratory Hours: 0 or equivalent

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 or equivalent

GEDPR 083 ABE MATHEMATICS III 3 HRS. (ABE)
Prerequisite: Math level of 4-8.9 on a standardized test accepted by the Illinois Community College Board or the College. This course is designed to help the student develop mathematical vocabulary, skills in arithmetic, and mathematical analysis. Repeatable up to a maximum of three times.
Lecture Hours: 3 Laboratory Hours: 0 or equivalent

GEDPR 087 ABE COMMUNICATION SKILLS I 1 HR. (ABE)
Prerequisite: Reading level of 4 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.
Lecture Hours: 1 Laboratory Hours: 0 or equivalent

GEDPR 088 ABE COMMUNICATION SKILLS II 2 HRS. (ABE)
Prerequisite: Reading level of 4 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.
Lecture Hours: 2 Laboratory Hours: 0 or equivalent

GEDPR 089 ABE COMMUNICATION SKILLS III 3 HRS. (ABE)
Prerequisite: Reading level of 4 - 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student improve basic reading, writing, and communication skills that develop and transmit ideas and thoughts. Repeatable up to a maximum of three times.
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 reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student develop mathematical vocabulary, skills in arithmetic, and mathematical analysis. Repeatable up to a maximum of three times.
Lecture Hours: 1 Laboratory Hours: 0 or equivalent

GEDPR 093 GED COMMUNICATION SKILLS II 2 HRS. (ASE)
Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to 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 or equivalent

GEDPR 094 GED COMMUNICATION SKILLS III 3 HRS. (ASE)
Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student 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 or equivalent

GEDPR 095 GED COMPUTATIONAL SKILLS I 1 HR. (ASE)
Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student develop mathematical vocabulary, skills in arithmetic, and mathematical analysis. Repeatable up to a maximum of three times.
Lecture Hours: 1 Laboratory Hours: 0 or equivalent

GEDPR 096 GED COMPUTATIONAL SKILLS II 2 HRS. (ASE)
Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student 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 or equivalent

GEDPR 097 GED COMPUTATIONAL SKILLS III 3 HRS. (ASE)
Prerequisite: Reading level of 9-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to help the student 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 or equivalent

GEDPR 098 GED REVIEW II 2 HRS. (ASE)
Prerequisite: Reading level of 9 -12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to 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 or equivalent

GEDPR 099 GED 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 help the student develop mathematical vocabulary, skills in arithmetic, and mathematical analysis. Repeatable up to a maximum of three times.
Lecture Hours: 1 Laboratory Hours: 0 or equivalent

General Motors Automotive Service Education Program (GM-ASEP)

ASEP 112 INTRODUCTION TO GM-ASEP 2 HRS. (OC)
Prerequisite: Department approval. This course provides instruction and lab experience in shop safety, shop operation and how to obtain service information. Also covered are the basic inspection and servicing techniques of electrical systems, brake systems and automatic transmissions and transaxles.
Lecture Hours: 1 Laboratory Hours: 3

ASEP 115 ELECTRICAL SYSTEMS I 3 HRS. (OC)
Prerequisite: Department approval. This course is designed to include electrical concepts as they apply to electrical systems. It will include the use of electrical test equipment used to diagnose electrical problems found on motor vehicles. Major emphasis is on the application of these principles as they apply to the transportation industry.
Lecture Hours: 2 Laboratory Hours: 3

ASEP 117 AUTOMOTIVE SUSPENSION, STEERING AND ALIGNMENT 3 HRS. (OC)
Prerequisite: Department approval. This course is a study of the design and operation of suspension and steering systems used in the automotive industry. It includes the use of diagnostic equipment and making component repairs on current automobiles.
Lecture Hours: 2 Laboratory Hours: 3

ASEP 125 ELECTRICAL SYSTEMS II 3 HRS. (OC)
Prerequisite: Department approval. This course covers electrical components and systems associated with the transportation service industry and their applications. Diagnostic techniques and repair procedures are emphasized.
Lecture Hours: 2 Laboratory Hours: 3

ASEP 129 AUTOMOTIVE BRAKE SYSTEMS 3 HRS. (OC)
Prerequisite: Department approval. This course is a study of the design and operation of brake systems used in the automotive industry. It includes the use of diagnostic equipment and making component repairs on current automobiles.
Lecture Hours: 2 Laboratory Hours: 3

ASEP 132 AUTOMOTIVE HVAC 3 HRS. (OC)
Prerequisite: Department approval. This course provides an introduction into the basic theory and principles of air conditioning as they relate to automotive applications. Use of test equipment to diagnose and repair malfunctions, including repair of component parts and the charging and recharging of systems will be stressed in the laboratory. Manufacturers' specifications will be utilized in performing standard service operations. Automotive engine cooling systems are also covered in the course.
Lecture Hours: 2 Laboratory Hours: 3

ASEP 133 ENGINE PERFORMANCE I 3 HRS. (OC)
Prerequisite: Department approval. This course covers the principles of fuel and ignition systems in modern gasoline engines. Diagnostic techniques and repair procedures are emphasized. Special emphasis is placed on the use of modern test equipment to analyze problems and computer operations.
Lecture Hours: 2 Laboratory Hours: 3
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 or equivalent

GIS 108  REMOTE SENSING  3 HRS. (OC)
This course provides an introduction to the techniques of collecting and interpreting information about earth's surface through non-contact methods. The current relationship with geographic information systems (GIS) will be examined.
Lecture Hours: 2  Laboratory Hours: 2

GIS 110  GEODATABASES  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 or equivalent

Geography
GEOG 112  CULTURAL GEOGRAPHY ($4 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 ($4 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 ($4 902N)  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 ($4 901)  3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course surveys the developed world stressing the economic, social, political, and environmental characteristics of North America, Europe, and other technologically advanced regions of the world. The basic relationship between the physical environment and cultural characteristics of a region will be explored as a primary focus of the course.
Lecture Hours: 3  Laboratory Hours: 0

GEOG 200  ECONOMIC GEOGRAPHY ($4 903N)  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**  
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**  
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**  
Prerequisite: GER 111 with a grade of "C" or better or equivalent. This course emphasizes conversation, reading, and composition. This course is conducted primarily in German.  
Lecture Hours: 4  Laboratory Hours: 0

**GER 211 INTERMEDIATE GERMAN II (H1 900)**  
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 or equivalent

## Graphic Communications

**GCOMM 110 INTRODUCTION TO GRAPHIC COMMUNICATIONS**  
This course introduces the basic principles, materials and equipment used in the major printing processes. Beginning skills in typography, electronic desktop publishing, photography, scanning, image manipulation, creation of printing plates, and press operation are emphasized.  
Lecture Hours: 2  Laboratory Hours: 4

**GCOMM 112 VECTOR GRAPHICS WITH ADOBE ILLUSTRATOR**  
This course is a study of the techniques used to prepare vector artwork for production and page layout of small documents. Students are taught the methods and conventions of drawing, painting, typesetting, and art manipulation with Adobe Illustrator using Macintosh computers. Basic techniques of digital image capture, color separation, and electronic file preparation for single and multiple color jobs are also included in this course.  
Lecture Hours: 1  Laboratory Hours: 4

**GCOMM 130 PAGE LAYOUT WITH ADOBE INDESIGN**  
This course is an introduction to the tools and techniques utilized in page layout, commonly known as desktop publishing. The more common configurations of hardware and software are discussed, and skills are developed in the use of Adobe InDesign software. The importing of word processing files, prepared art, and scanned images or digital photographs into the layout are covered. Use file templates, master layouts, and text-formatting styles to dramatically improve production workflow. Students will also be taught to use conditional text and layers to develop customized versions of a document to further layout efficiency. Design considerations in the correct selection of typefaces and use of line elements, and the outputting of files for printed media or electronic publishing are covered.  
Lecture Hours: 1  Laboratory Hours: 4

**GCOMM 140 PRINTING METHODS**  
Prerequisite: GCOMM 110 with a grade of "C" or better or department approval. This course covers offset lithography and silk screen press operation.  
Lecture Hours: 2  Laboratory Hours: 4

**GCOMM 150 PRODUCTION TECHNIQUES AND PROCESSES**  
Prerequisite: GCOMM 110 with a grade of "C" or better. This course is designed to provide a study of the materials, supplies, and production concerns found in the printing industry. The basics of estimating job costs, using both conventional and computerized methods, are presented. Production concerns from the copy preparation stage to those encountered in binding and finishing are discussed, and their impact on the scheduling of printing production is covered.  
Lecture Hours: 1  Laboratory Hours: 4

**GCOMM 160 OCCUPATIONAL PHOTOSHOP TECHNIQUES**  
This course contains practical applications of image editing and digital enhancement with Adobe Photoshop for occupational use. Techniques in the manipulation of digital photographs and commercially available images with Photoshop for industry-specific needs will be covered in this course.  
Lecture Hours: 0  Laboratory Hours: 2

**GCOMM 225 SCREEN PRINTING**  
Prerequisite: GCOMM 110, GCOMM 112, GCOMM 250 all with a grade of "C" or better or department approval. This course will provide an introduction to the screen printing trade. Students will explore copy preparation, mesh selection, frames, stencil systems, printing techniques, ink and substrate compatibility, reclamation of screens, and how screen printing affects the finishing processes. A combination of technical laboratory applications and theory will provide the foundation for this course.  
Lecture Hours: 1  Laboratory Hours: 4

**GCOMM 230 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 introduces students to page layout techniques using Quark XPress software, interactive document creation using Adobe Acrobat Pro, and ePub creation.  
Lecture Hours: 1  Laboratory Hours: 4

**GCOMM 235 DIGITAL PHOTOGRAPHY AND SCANNING FOR PUBLISHING**  
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**  
This course is designed to introduce the student to document construction for publishing on the World Wide Web. Basics of Hypertext Markup Language are covered as is instruction in the use of authoring software such as Adobe Dreamweaver and Fireworks.  
Lecture Hours: 1  Laboratory Hours: 4

**GCOMM 247 ADVANCE WEB PUBLISHING WITH ADOBE DREAMWEAVER AND FLASH**  
Prerequisite: GCOMM 245 with a grade of "C" or better. This course is a study of the techniques used in creating sophisticated web pages. Students are taught the correct methods of image optimization using Fireworks, and the development of box model CSS template driven web pages using Adobe Dreamweaver. Interactive web page design objects and form validation will be covered using Spry elements. The creation of vector animations with Adobe Flash, and the construction of virtual reality tours using Autodesk Stitcher.  
Lecture Hours: 1  Laboratory Hours: 4

**GCOMM 248 MODELING AND ANIMATION WITH AUTODESK MAYA**  
Prerequisite: GCOMM 245 with a grade of "C" or better. This course is designed to introduce the student to the creation of two-dimensional (2D) and three-dimensional (3D) animations. The two-dimensional vector animation software Adobe Flash will be used to develop interactive animations. The focus in the 2D animation will be to explore the creation of motion with a timeline interface and programming interactive behavior to control the state of the animations. The topics covered with 2D animation will be built upon in the following 3D animation portion of the class using Autodesk Maya. Students will be taught how to develop 3D models, animate and render them for output as stream video for web delivery, and capture still images for use in print.  
Lecture Hours: 1  Laboratory Hours: 4

**GCOMM 250 BEGINNING ADOBE PHOTOSHOP TECHNIQUES**  
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**  
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**  
Prerequisite: Department approval. This course provides a student an opportunity to investigate areas of Graphic Communication not included in the course of study according to the individual's academic needs. The student must submit a formal written plan detailing the project, number of credit hours assigned to it and the...
evaluative criteria that is to be used. This project must be carried out under the direction of a faculty member. The written plan is submitted to the associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.

Lecture Hours: 0 Laboratory Hours: 3 - 15

GCOMM 260 GRAPHIC COMMUNICATIONS INTERNSHIP 1 HR. (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 understand the different types of careers, work environment, work flow, job duties and how they will be able to fit into the work place.

Lecture Hours: 1 - 3 Laboratory Hours: 0 or equivalent

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 the concept, graphic form, structure and visualization of design with application of typographic terminology and processes, comprehensive of the value of typographic design, and creation of typographic design for effective visual communication.

Lecture Hours: 0 Laboratory Hours: 6

GRDSN 142 TYPOGRAPHY 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. 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 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 and 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, at an advanced level, of GRDSN 240. 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 244 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 240. 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 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

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" or 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

Green Building Construction

GRBR 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

GRBR 120 BUILDING ROOFS 4 HRS. (OC)
Prerequisite: Concurrent enrollment in ARCTK 119 and GRBR 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

GRBR 150 BUILDING ENVELOPE EVALUATION 3 HRS. (OC)
In this course, individuals are trained on current methods to evaluate a building's 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. 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

GRBE 150 GREEN BUILDING ENVIRONMENTAL PROJECTS 3 HRS. (OC)
Prerequisite: GRBE 110, GRBE 120, GRBE 130, GRBCR 150, ARCTK 119, ARCTK 228, REACT 110, REACT 211, all with a grade of "C" or better. In this course the student will apply all of the knowledge and skills learned in other "green building" courses. The student will be doing community service work and helping others to learn about new ways of improving life and reducing operation costs along the way. Lecture Hours: 1 Laboratory Hours: 3

Health

HLTH 041 BASIC LIFE SUPPORT (CPR) 0.5 HR. (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 dysrythmias 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 112 NURSING ASSISTANT TRAINING 5 HRS. (OC)
Prerequisite: COMPASS reading score of 62 or higher or department approval. Completion of CPR for the Healthcare Provider or concurrent enrollment in HLTH 041. This course is designed to prepare the student to function as a nurse assistant in nursing homes. Lecture Hours: 3 Laboratory Hours: 6

HLTH 116 NURSE ASSISTANT: 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:

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 or equivalent

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

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 or equivalent

HEOCC 220 LEGAL ISSUES IN HEALTH CARE 1 HR. (OC)
Prerequisite: Acceptance to Physical Therapist Assistant or Occupational Therapy Assistant or Radiography or 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 or equivalent

HEOCC 230 HEALTH CARE ORGANIZATION AND RESOURCES 1 HR. (OC)
Prerequisite: Acceptance to Occupational Therapy Assistant or Physical Therapist Assistant or Radiography degree completion curricula or department approval. This course is designed to provide a review of the development and organization of the health care delivery system. Emphasis is placed upon 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 or equivalent

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
Horticulture

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, aeriﬁlers, 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...
landscaping 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 selection, 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 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

Hospitality

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

HUMSV 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

HUMSV 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 work 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  3 HRS. (OC)
This course teaches students about the major types of developmental disabilities, including information about their incidence, causal 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 1 HR. (OC)
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 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 or equivalent

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 154 MENTAL HEALTH FIRST AID 1 HR. (OC)
This course is an empirically-backed prevention tool used to improve the knowledge of mental health problems through learning to assess the situation, select and implement appropriate interventions, and secure appropriate care for individual’s experiencing a mental health problem.

Lecture Hours: 1 Laboratory Hours: 

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 156 YOUTH MENTAL HEALTH FIRST AID 1 HR. (OC)
This course will provide instruction in assisting a young person who may be in the early stages of developing a mental health problem or in a mental health crisis.

Lecture Hours: 1 Laboratory Hours: 0

HUMSV 200 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 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 THROUGH 1650 (HF 902) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is an interdisciplinary study of literature, philosophy, the visual arts, and music in Western civilization from the ancient to the early modern periods. It is designed to show the 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 HR. (TC)
Prerequisite: Sophomore standing and department approval. Students work on a special problem suited to individual academic needs. A plan for the project including criteria for evaluation must be submitted to the dean/associate dean and approval for study obtained, semester hours assigned, and an instructor-advisor appointed prior to registration. At the conclusion of the project, a written report must be submitted to the instructor-advisor. This report will remain on file in the department. The transcript will show the discipline in which the work was completed.

Lecture Hours: 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 HR. (OC)**
Prerequisite: IND SN 140 with a grade of "C" or better and IND SN 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 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 132 LATIN AMERICAN HUMANITIES (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 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 133 CULTURES AND CIVILIZATIONS OF SUB-SAHARIAN 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 and 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 918N) 3 HRS. (TC)**
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course introduces students 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 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 reception recognition and comprehension of ASL vocabulary and source messages. It provides a linguistic bridge into interpreting courses by focusing on easily confused signs and specialized sign vocabulary. Progress in the area of expressive and receptive fingerspelling skills is also emphasized.
Lecture Hours: 2 Laboratory Hours: 2

**IPP 115 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 AND NUMBERING I 2 HRS. (OC)**
Prerequisite: IPP 110, 115, and 120 all with a grade of "C" or better, or department approval. This is a beginning course in fingerspelling. It introduces basic vocabulary and linguistic principles. Receptive and expressive skills are both emphasized. Topics covered include alphabetic, numeric, lexicalization, history, and preventing Repetitive Motion Injury.
Lecture Hours: 1 Laboratory Hours: 2

**IPP 120 INTRODUCTION TO INTERPRETING 2 HRS. (OC)**
Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, ENGL 110 with a grade of "C" or better or department approval. This course introduces students to the profession of Sign Language interpreting. Topics in the course include: the history and evolution of the profession, the role of the interpreter as defined by the RID Code of Professional Conduct, and a survey of the following topics: state and national laws and policies that affect the interpreter, state and national testing systems for interpreter certification and credentialing: Educational Performance Assessment (EPA), 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 EPA Code of Ethics, and the Demand-Control Schema as they apply to working situations within the religious, legal, performing arts, mental health, medical, rehabilitation, social services settings. In-depth discussions will assess various interpreting situations and how to implement problem-solving strategies. This course will also present various occupational settings where interpreters work and focus on agencies that provide services to 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
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

Library Technology
LIB 110 INTRODUCTION TO LIBRARIES 3 HRS. (OC)
This course is an introduction to the history, purpose, organization, and services of libraries, focusing on the role of the library technical assistant. It gives an in-depth view of different types of libraries and identifies job opportunities in the field.
Lecture Hours: 3 Laboratory Hours: 0

LIB 111 INTRODUCTION TO RESEARCH 1 HR. (TC)
This course provides instruction in the foundational skills for quality research in any academic or real world venue. As well as instructing students on how to use the Illinois Central College Library, this course will focus on the fundamental skills the information fluent person should know such as how to rephrase a question for best results, how to determine quality results, how to avoid plagiarism and copyright issues, and how to best utilize the open world wide web for research purposes.
Lecture Hours: 1 Laboratory Hours: 0

LIB 114 AUDIOVISUAL EQUIPMENT OPERATION 2 HRS. (OC)
This course stresses practical experience in operating traditional and current AV equipment to deliver effective, comprehensive service support. Emphasis on equipment operation will also include introduction to Internet services, enriched media, and desktop applications.
Lecture Hours: 1 Laboratory Hours: 2
**Lecture Hours: 3  Laboratory Hours: 0**

This course introduces students to the types of youth services offered in public and school libraries for children from birth through 12th grade. The course will examine the skill sets needed for planning, executing, and analyzing youth services in light of current practices and challenges. Topics include programming, censorship, reader's advisory, reference, storytime, and the role of the Library Technical Assistant. Lecture Hours: 3  Laboratory Hours: 0

**LIB 210  REFERENCE**

This course teaches the student the criteria for evaluation and the methods of use for basic information sources both print and electronic. Topics covered include reference interviewing, search strategy, choice of source material, Boolean searching, and World Wide Web browsers. Students gain experience in using these materials to answer reference questions. Lecture Hours: 2  Laboratory Hours: 2

**LIB 216  INTRODUCTION TO COLLECTION DEVELOPMENT**

This course is designed to introduce the student to library collection development, focusing on the acquisition of materials, both book and non-book. Topics covered include bibliographic search tools, ordering, receiving and accounting procedures, selection policy, policy development, copyright, and automated acquisitions. Lecture Hours: 3  Laboratory Hours: 0

**LIB 222  SPECIAL TOPICS FOR LIBRARY TECHNICAL ASSISTANTS**

This course will cover various issues of concern to Library Technical Assistants. The content of these courses will cover a variety of topics in-depth. This course is repeatable if the topic and content are different. Special topics that will be taught include: (1) introduction to multi-type libraries (health, law, business, and school libraries), (2) library management (covering fundraising, marketing, e-rate, budgeting, scheduling, supervising, hiring and firing staff, and building maintenance), (3) special collections and archives (topics discussed would include managing special collections, working with archival materials, preservation of materials, and book repair), and (4) electronic resource management (the management of electronic resources, selection and de-selection of materials, dealing with vendors, maintaining statistics, and record keeping). This course is repeatable up to three times. Lecture Hours: 1 - 3  Laboratory Hours: 0

**LIB 231  INTRODUCTION TO PATRON SERVICES**

This course is designed to provide a basic understanding of the operations of public library public services departments. Emphasis will be on library organization and policies, circulation, interlibrary loan, security, collection management, information services, and public relations and programs. Lecture Hours: 3  Laboratory Hours: 0

**LIB 250  LIBRARY PRACTICUM**

Prerequisite: Completion of required Library Technology courses or department approval. This course provides supervised work experience in a public, academic, special or school library. Emphasis is on applying knowledge gained in course work to practical on-the-job situations. The student has training in various aspects of librarianship in order to increase knowledge and practical experience. Lecture Hours: 0  Laboratory Hours: 5 - 15 or equivalent

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**Literature**

**LIT 110  INTRODUCTION TO LITERATURE (H3 900)**

3 HRS. (TC)

Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This course, which offers the study and discussion of fiction, poetry, and drama, is designed to enhance the student's ability to read literature analytically with keener understanding and heightened appreciation of content and form. Lecture Hours: 3  Laboratory Hours: 0

**LIT 111  THE SHORT STORY AND THE NOVEL (H3 901)**

3 HRS. (TC)

Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This course of extensive reading in prose fiction is designed to enhance the student's ability to read the short story and the novel analytically with keener understanding and heightened appreciation of content and form. Lecture Hours: 3  Laboratory Hours: 0

**LIT 115  MYTHOLOGY (H9 901)**

3 HRS. (TC)

Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This course is designed to acquaint the student with the origin and development of classical myths that have greatly influenced modern culture. Lecture Hours: 3  Laboratory Hours: 0

**LIT 117  INTRODUCTION TO POETRY (H3 903)**

3 HRS. (TC)

Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This course introduces the student to poetry in English, the variety of its forms and themes, and methods of interpretation. Lecture Hours: 3  Laboratory Hours: 0

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**LIT 119  WOMAN'S LITERATURE (H3 911D)**

3 HRS. (TC)

Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This course introduces the student to literature written by women, exploring its themes and literary-cultural contexts. Lecture Hours: 3  Laboratory Hours: 0

**LIT 120  THE BIBLE AS LITERATURE (H5 901)**

3 HRS. (TC)

Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This course includes extensive reading of major sections of the Bible. It is designed to enable the student to read the Bible as a literary work, understand some of its major stories, themes, and genres, and become more aware of the significance of Biblical allusions in other works of literature and art. Lecture Hours: 3  Laboratory Hours: 0

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**LIT 122  LITERATURE OF ETHNIC AMERICA (H3 910D)**

3 HRS. (TC)

Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This introductory course provides a literary and cultural view of traditions of some major racial and cultural minority groups. The student will develop an understanding of experiences relevant to minority writings. As a significant part of the American cultural and literary heritage, there are some significant eras that reinforce the themes, style, forms, and attitudes presented by minority writers. Lecture Hours: 3  Laboratory Hours: 0

**LIT 124  NON-WESTERN LITERATURE (H3 908N)**

3 HRS. (TC)

Prerequisite: COMPASS Reading score of 81 or higher, or equivalent, or department approval. This course of extensive reading in literature is designed to enhance the student's ability to read and analyze representative masterpieces from a variety of nationalities and epochs. Course introduces students to literature in English or in English translation by writers from non-Western cultures such as Asian, South Asian, African, Caribbean, Middle-Eastern, Pacific Islander, or Latin American. Content includes social, historical, and cultural contexts of literary works; relationship of these writers to literary traditions; terminology and methods of literary analysis and evaluation. Lecture Hours: 3  Laboratory Hours: 0

**LIT 212  BRITISH LITERATURE: BEGINNINGS TO 1800 (H3 912)**

3 HRS. (TC)

Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a survey of representative works illustrating the development of British literature from its beginnings to 1800, with an emphasis on understanding major literary movements in relation to their intellectual, social, and political contexts. Lecture Hours: 3  Laboratory Hours: 0

**LIT 213  BRITISH LITERATURE: 1800 TO THE PRESENT (H3 913)**

3 HRS. (TC)

Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a survey of representative works illustrating the development of British literature from 1800 to the present, with an emphasis on understanding major literary movements in relation to their intellectual, social, and political contexts. Lecture Hours: 3  Laboratory Hours: 0

**LIT 214  SHAKESPEARE (H3 905)**

3 HRS. (TC)

Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval or ENGL 110 with a grade of “C” or better. This course examines a number of Shakespeare’s plays intensively as illustrations of different phases of his work. Lecture Hours: 3  Laboratory Hours: 0

**LIT 215  AMERICAN LITERATURE: BEGINNINGS TO 1865 (H3 914)**

3 HRS. (TC)

Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course examines American literature from its beginnings to 1865. Lecture Hours: 3  Laboratory Hours: 0

**LIT 216  AMERICAN LITERATURE: 1865 TO THE PRESENT (H3 915)**

3 HRS. (TC)

Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course examines American literature from 1865 to the present. Lecture Hours: 3  Laboratory Hours: 0

**LIT 230  RUSSIAN LIFE AND LITERATURE FROM CZARIST PERIOD TO POST-SOVIET UNION PERIOD (H3 909)**

3 HRS. (TC)

Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is designed to further the student's understanding of the culture and history of the Czarist time, the Revolution and Communist eras, and the period after the fall of Communism through a study of drama, prose and poetry. Works by Pushkin, Tolstoy, Dostoevski, Chekhov, Pasternak, Babel, Soltzhenitsyn, and poets of the period are included. Lecture Hours: 3  Laboratory Hours: 0

**LIT 240  FANTASY LITERATURE**

3 HRS. (TC)

Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course focuses on the expression of fantasy in literature. Lecture Hours: 3  Laboratory Hours: 0
MAINT 101 MAINTENANCE - MECHANICAL REPAIR I 4 HRS. (OC)
Prerequisite: MAT 094 with a grade of “C” or better, or appropriate math placement score, or departmental approval. This is the first of a two-course sequence in mechanical maintenance and repair. The course sequence is designed primarily for people seeking employment as mechanics, repairpersons, and building maintenance staff.
Lecture Hours: 3 Laboratory Hours: 1

MAINT 102 MAINTENANCE - MECHANICAL REPAIR II 4 HRS. (OC)
Prerequisite: MAINT 101 with a grade of “C” or better, or department approval. This is the second course in maintenance-mechanical repair. This course sequence is designed primarily for people seeking employment as mechanics, repairpersons, or building maintenance staff.
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 as to the role of the various levels of management in public- and private-sector organizations. Emphasis is placed on the management functions of planning, organizing, leading, and controlling. Principles of successful management practice are explored.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 114 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 structures, 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

MGMT 205 PERSONNEL MANAGEMENT 3 HRS. (OC)
This course covers the functions of the personnel department in managing an organization’s human resources. These functions include: job design, recruitment, selection, training, evaluation, motivation, labor relations, compensation, and safety. The impact of environmental factors on personnel management is covered. Emphasis is placed on E.E.O.A.A., O.S.H.A., and N.L.R.B. rules and regulations, as well as social and economic factors.
Lecture Hours: 3 Laboratory Hours: 0

MGMT 211 MANAGING THE SUPPLY CHAIN 3 HRS. (OC)
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 3 HRS. (OC)
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 3 HRS. (OC)
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 3 HRS. (OC)
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
**Marketing**

**MKTG 112 PRINCIPLES OF MARKETING** 3 HRS. (TC)
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** 3 HRS. (OC)
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** 3 HRS. (OC)
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** 3 HRS. (OC)
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** 3 HRS. (OC)
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** 3 HRS. (OC)
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** 3 HRS. (OC)
Prerequisite: Admission to the Marketing Program and department approval, and the completion of twelve semester hours of business or business-related program courses. This course involves student trainees who are employed at an approved training station with a program of training scheduled by joint agreement of the student, 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

**Mass Communication**

**MCOMM 110 INTRODUCTION TO MASS MEDIA (MC 911)** 3 HRS. (TC)
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)** 3 HRS. (TC)
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** 3 HRS. (TC)
This course is not a forum for exchanging the latest scores or talking about last night's big game, rather it is a course to develop critical-thinking skills about the sports media and its role in American society.
Lecture Hours: 3 Laboratory Hours: 0

**MCOMM 160 MASS COMMUNICATION INTERNSHIP I** 1 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 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** 3 HRS. (TC)
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)** 3 HRS. (TC)
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** 3 HRS. (TC)
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 SCRIBWTIRING** 3 HRS. (TC)
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: 3 Laboratory Hours: 0

**MCOMM 224 HISTORY OF MOTION PICTURES (F2 909)** 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. A study of the historical development of film as an international mass communication medium and the production innovations that have impacted filmmaking as an art form.
Lecture Hours: 3 Laboratory Hours: 0

**MCOMM 230 INTERNET AND MOBILE MEDIA PRODUCTION** 3 HRS. (TC)
Prerequisite: MCOMM 110 with a grade of "C" or better or department approval. This course is an introduction to the technical, creative, and communication skills involved in online video, podcasting, blogging, tweeting and use of social media as means of publishing mass media news, entertainment, and promotional content to the Internet and mobile devices. At the end of the course, students will have a website portfolio of their work.
Lecture Hours: 3 Laboratory Hours: 2

**MCOMM 260 MASS COMMUNICATION INTERNSHIP II** 1 HR. (TC)
Prerequisite: MCOMM 160 with a grade of "C" or better. This course is designed for students wishing to gain on-site educational work experience. The student will work an arranged number of hours per week at a radio or TV station or other appropriate location under the supervision of a mass communication professional.
Lecture Hours: 0 Laboratory Hours: 5 - 15 or equivalent

**Massage Therapy**

**TM 110 INTRODUCTION TO MASSAGE THERAPY AND BODYWORK** 1 HR. (OC)
This course is designed to introduce students to the profession of massage therapy. An introduction to the basic principles and techniques of massage therapy will be presented. Basic Swedish Massage therapy strokes will be demonstrated and practiced as well as draping and use of oils and lotions.
Lecture Hours: 1 Laboratory Hours: 0.5 or equivalent

**TM 111 FUNDAMENTAL MASSAGE TECHNIQUES** 2 HRS. (OC)
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: 3 or equivalent

TM 112 APPLIED ANATOMY AND PHYSIOLOGY FOR THE BODYWORKER 3 HRS. (OC)
Prerequisite: Admission to Therapeutic Massage Program and TM 110 and BIOL 140 with a grade of "C" or better. This is an extensive course specifically designed for massage therapy students. It includes a thorough examination of the following: muscles (their origins, insertions, and actions), bones, nerves, and 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: 3 or equivalent

TM 113 PROFESSIONAL ISSUES FOR THE BODYWORKER 2.5 HRS. (OC)
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: 2.5 Laboratory Hours: 0

TM 114 PATHOLOGY, DOCUMENTATION, AND TERMINOLOGY FOR THE BODYWORKER 2.5 HRS. (OC)
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: 2.5 Laboratory Hours: 0

TM 115 CONCEPTS OF HOLISTIC HEALTH 2 HRS. (OC)
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 1 HR. (OC)
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 and lab to members of the community in a clinical setting. Under the direction of the clinical supervisor, students are expected to review client intake information to determine possible contraindications; demonstrate proper ethics, client/therapist communication skills, proper draping techniques, and safety and sanitary precautions; and perform a body massage utilizing basic Swedish Massage techniques, properly documenting the session in the client's record.

Lecture Hours: 0 Laboratory Hours: 1.5 or equivalent

TM 121 ADDRESSING THE MUSCLE 3.5 HRS. (OC)
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

TM 122 MASSAGE THERAPY TECHNIQUES, VARIATIONS, AND APPLICATIONS 3 HRS. (OC)
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 Laboratory Hours: 3

TM 125 APPLIED KINESIOLOGY FOR THE BODYWORKER 3 HRS. (OC)
Prerequisite: TM 112 and TM 114 with a grade of "C" or better. This course is designed to give students a basic knowledge of movement and the interrelationship of the neurological, muscular, and skeletal systems. Through both lecture and laboratory experiences, students will learn the skills of manual muscle testing as well as movement analysis.

Lecture Hours: 2.5 Laboratory Hours: 1.5 or equivalent

TM 127 THERAPEUTIC MASSAGE CLINICAL II 2.5 HRS. (OC)
Prerequisite: Concurrent enrollment in TM 120 or TM 120 with a grade of "S". This course continues the learning experience of TM 120 Therapeutic Massage Clinical I, requiring the massage student to engage more deeply in critical thinking, safety, assessment and documentation. In the student clinical setting, therapeutic massage students will have the opportunity to apply the massage principles, techniques, and procedures in a professional therapeutic massage environment to members of the community. Additionally, the students will engage in practice exams to prepare for the state license exam.

Lecture Hours: 0 Laboratory Hours: 7.5 or equivalent

TM 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 a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department. A final written report is also submitted to the faculty member by the student. This course is repeatable up to a total of 5.0 credit hours.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Mathematics

MATH 110 CONCEPTS OF MATHEMATICS (M1 904) 3 HRS. (TC)
Prerequisite: (1.) COMPASS reading score of 81 or higher, or equivalent, or department approval and (2.) MAT 095 Geometry or high school equivalent with a grade of "C" or better or appropriate placement score and (3.) MAT 098 or two years of high school algebra with a grade of "C" or better or MAT 099 with a grade of "C" or better or appropriate placement score or department approval. This course includes the nature of mathematics through a study of elementary logic, set theory, statistics, geometry, and the mathematics of finance. The course will focus on mathematical reasoning and real-life problem solving. This is not intended to be a survey course or a math appreciation course.

Lecture Hours: 3 Laboratory Hours: 0

MATH 111 GENERAL EDUCATION STATISTICS (M1 902) 3 HRS. (TC)
Prerequisite: (1.) COMPASS reading score of 81 or higher, or equivalent, or department approval and (2.) MAT 095 Geometry or high school equivalent with a grade of "C" or better or appropriate placement score and (3.) MAT 098 or two years of high school algebra or MAT 099 with a grade of "C" or better or appropriate placement score or department approval. This course includes a study of frequency distribution, graphs (histograms, pie charts, etc.), measures of location (mean, median, mode, and percentile), measures of dispersion (variance, standard deviation), probability, estimating and predicting, normal distribution, binomial distribution, and correlation. This course will emphasize the quantitative portion of descriptive statistics – gathering, analyzing, presenting and interpreting data.

Lecture Hours: 3 Laboratory Hours: 0

MATH 115 COLLEGE ALGEBRA 4 HRS. (TC)
Prerequisite: 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 (M1 905 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 MATHEMATIC (M1 906) 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 (M1 900BH) 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. NOTE: If a student has not previously completed a high school course in trigonometry, enrollment in the separate courses MATH 115 and MATH 120 is recommended. Students may not earn credit for both MATH 115/120 and MATH 165. This course is intended to provide a solid foundation in the skills of algebra and trigonometry that are required for success in elementary calculus. Algebraic topics will include: properties of functions and graphs that are commonly used in calculus, conic sections, solving equations and higher order systems of equations, and sequences and series. Trigonometry topics will include: numerical aspects, including Laws of Sines and Cosines; trigonometry identities and equation solving; powers and roots of complex numbers; and radian measure and conversion. This course will make use of current technology.

Lecture Hours: 5 Laboratory Hours: 0

MATH 190 MATHEMATICAL REASONING FOR THE ELEMENTARY TEACHER I 3 HRS. (TC)
Prerequisite: MAT 095 with a grade of "C" or better and MAT 098 with a grade of "C" or better or appropriate math placement test scores for both courses or department approval. This course is designed to deepen mathematical understanding by providing opportunities to develop problem-solving and reasoning skills. In order to develop depth of understanding, the course concentrates on problems involving 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 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 (M1 903) 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 teach a modern mathematical program in grades K-9 and prepare teachers and prospective teachers for future changes in mathematics curricula. The course includes a study of logic and problem-solving, graphing and analysis of relations, functions and statistical data, non-metric and informal geometry, estimating and measuring, the metric system, and use of calculating devices.

Lecture Hours: 2 Laboratory Hours: 0

MATH 211 STATISTICAL ANALYSIS (M1 902) 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 (M1 9001 MTH 901) 5 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, and enrollment in the separate courses MATH 115 and MATH 120 with grades of "C" or better, or MATH 165 with a grade of "C" or better, or an appropriate score on the math placement test or equivalent. This is the first course of a three-semester sequence in Analytic Geometry and Calculus. The course includes the analytic geometry of lines and circles, limits and continuity of functions of one variable and an introduction to the derivative and the definite integral along with applications and the fundamental theorem of calculus.

Lecture Hours: 5 Laboratory Hours: 0

MATH 223 CALCULUS AND ANALYTIC GEOMETRY II (M1 9002 MTH 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 (M1 9003 MTH 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: MATH 223 with a grade of "C" or better. This course is a study of finite dimensional vectors, matrices, linear equations, vector spaces and subspaces, linear transformations, determinants and appropriate applications.

Lecture Hours: 3 Laboratory Hours: 0

MATH 250 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, solution 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. As calculators are not permitted in MAT 092 except for enrichment purposes, students must be able to add, subtract, multiply and divide without the aid of a calculator. Students who have completed one year of high school algebra should consider enrolling in 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. Topics include real numbers, linear equations and inequalities, systems of equations,
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 traditional concepts of mechanical contact measurement, the principles of standards, comparison measurement, piece-part features, calibration of instruments, and non-traditional techniques of non-contact measurement.
Lecture Hours: 1 Laboratory Hours: 3

MECTK 121 INTRODUCTION TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD (IND 911) 3 HRS. (OC)
In this course, computer-aided drafting will be explored as students review basic principles of orthographic projection, pictorial views, sectioning and auxiliary views. Two-dimensional problems will be explored using AutoCAD software. Students will gain experience creating and editing graphic entities as they construct mechanical working drawings.
Lecture Hours: 2 Laboratory Hours: 3

MECTK 123 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 part 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: 3

MECTK 149 BASIC POWER TRANSMISSION 2 HRS. (OC)
Prerequisite: MECTK 149 with a grade of “C” or better. This course is the second of a three-course sequence. Basic Power Transmission provides the student with basic knowledge and hands-on experience of mechanical processes used by industry. Students will become proficient in mechanical areas including: precision measuring using micrometers and gage blocks, bolt identification and torque specifications, proper dial indicator use and thread repair procedures. Students will also be instructed in the proper and safe use of tools. The other two courses in this sequence are MECTK 150 and 151.
Lecture Hours: 1 Laboratory Hours: 3

MECTK 150 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: MECTK 154 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 shop practices. Structured laboratory experiences will 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. 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 theory 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 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 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, microtomy, 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 microtomy and preparation of finished slides. Basic immunology as applied to the theory of staining is studied. Lectures and supervised clinical practice in a histology laboratory are included.
Lecture Hours: 1  Laboratory Hours: 12

MEDLB 255 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 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

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 the medical laboratory techniques which addresses basic techniques used in medical laboratories from using pipette, making dilutions,
streaking plates for microorganism cultivation to phlebotomy. Various testing methods and testing procedures will be introduced. Lectures and student laboratories are included.

Lecture Hours: 0.5 Laboratory Hours: 1 or equivalent

**MLT 110**  
**INTRODUCTION TO THE MEDICAL LABORATORY AND PHLEBOTOMY**  
**2 HRS. (OC)**  
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 medicolegal aspects are also studied. Lecture Hours: 1 Laboratory Hours: 2 or equivalent

**MLT 112**  
**PHLEBOTOMY 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 the Medical Laboratory Technician program or department approval. This course is a study of the basic immunological principles to provide a general orientation to immunology. It will focus on antigen and antibody structures and how they relate to immune system disorders. Immunologic principles of laboratory diagnosis of human infectious diseases are emphasized. Lectures and student laboratories are included. Lecture Hours: 1.5 Laboratory Hours: 1 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. Lecture 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: 1.5 Laboratory Hours: 1 or equivalent

**MLT 222**  
**APPLIED CLINICAL EXPERIENCE I**  
**4 HRS. (OC)**  
Prerequisite: MLT 115, MLT 116, MLT 210, MLT 214, 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

**MEDO 110**  
**MEDICAL ASSISTANT ADMINISTRATIVE SKILLS**  
**4 HRS. (OC)**  
Prerequisite: Admission to the Medical Office Administrative Assistant and/or Medical Assistant Program and concurrently enrolled in MEDO 112. This course studies the medical office from a business-administrative standpoint including clerical functions, bookkeeping procedures, processing insurance claims, professional communications, legal and ethical concepts, patient instruction and operational functions. Lecture Hours: 4 Laboratory Hours: 0 or equivalent

**MEDO 111**  
**MEDICAL ASSISTANT CLINICAL PROCEDURES**  
**4 HRS. (OC)**  
Prerequisite: Completion of BIOL 140, MEDO 110, ENGL 125, TYPE 120 or TYPE 121, all with a grade of “C” or better. This course is an introduction to the clinical procedures commonly performed in health care settings which include medical asepsis and infection control, medical history and patient assessment, vital signs, assisting with the physical examination, surgical instruments and sterilization, assisting with minor office surgery, preparing and administering medications and maintaining their records, and other common diagnostic and therapeutic procedures. Lectures and applied experiences are included. Lecture Hours: 2 Laboratory Hours: 6

**MEDO 112**  
**MEDICAL OFFICE COMPUTER SKILLS**  
**2 HRS. (OC)**  
Prerequisite: Admission to the Medical Assistant Program, Medical Office Administrative Assistant Program and/or department approval and concurrently enrolled in MEDO 110. This course emphasizes basic computer software operations and procedural and diagnostic coding basics as applied to the medical office setting. Lecture Hours: 1 Laboratory Hours: 2

**MEDO 114**  
**CLINICAL LABORATORY SKILLS FOR MEDICAL ASSISTANTS**  
**4 HRS. (OC)**  
Prerequisite: Admission to the Medical Assistant Program, MLT 110, MEDO 111, HLTH 120, HLTH 121, HLTH 071, HEOCC 200. 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

**MEDO 115**  
**INTRODUCTION TO ICD-10-CM AND ICD-10-PCS CODING**  
**3 HRS. (OC)**  
Prerequisite: HLTH 121 with a grade of “C” or better or department approval. This course is intended to introduce the student to the concepts of coding medical...
Multimedia

MM 105 BASIC MACINTOSH 1 HR. (OC)
This hands-on, introductory 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 environment, 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 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 introductory course presents 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 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 techniques for use in multimedia, Internet, and new media projects. The course emphasizes principles and properties of special effects for text, keying, traveling mats, and other effects. Advanced software techniques are explored.
Lecture Hours: 0  Laboratory Hours: 6

MM 241 MULTIMEDIA AUTHORIZING 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 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 future music majors who have little or no previous piano instruction. The purpose of these courses is to develop a basic ability at the keyboard required of the musician and enhance aural understanding of music. Laboratory hours will be practice outside of the classroom.
Lecture Hours: 2 Laboratory Hours: 0

MUS 111 CLASS Piano II 2 HRS. (TC)
Prerequisite: MUS 110 with a grade of “C” or better. This course is for future music majors who have little or no previous piano instruction. The purpose of this course is to develop a basic ability at the keyboard required of the musician and enhance aural understanding of music. Laboratory hours will be practice outside of the classroom.
Lecture Hours: 2 Laboratory Hours: 0

MUS 114 CLASS Piano for Non-Music Majors 2 HRS. (TC)
This course is for non-music students who have little or no previous piano instruction. By the end of the semester the student is able to play most simple keyboard music for personal enjoyment.
Lecture Hours: 2 Laboratory Hours: 0

MUS 117 Enrichment for Piano 0.5 HR. (TC)
Prerequisite: MUS 114 or department approval. This course provides individual piano study for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit.
Lecture Hours:.5 Laboratory Hours: 0 or equivalent

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 or equivalent

MUS 128 Enrichment for Voice 0.5 HR. (TC)
This course provides individual vocal instruction for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit.
Lecture Hours:.5 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. Students interested in studying vocal music should enroll in this ensemble which is open to a limited number of auditioned singers. This course may be repeated three times for credit.
Lecture Hours: 0 Laboratory Hours: 3

MUS 131 Concert Band 1 HR. (TC)
All students who play wind or percussion instruments may enroll. Music students whose performing instrument is brass, woodwind or percussion should enroll. This course may be repeated three times for credit.
Lecture Hours: 0 Laboratory Hours: 3 or equivalent

MUS 132 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 three times 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. This course may be repeated three times 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 future 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. This course concentrates on the study of various styles and techniques of the vocal jazz genre. In addition to vocal jazz literature and performance, ensemble intonation, sound reinforcement and improvisation will be presented. Voice majors, voice minors, and students from the total student body are encouraged to audition for this ensemble. This course may be repeated three times for credit. Three lab hours per week and additional rehearsals and performances as scheduled.
Lecture Hours: 0 Laboratory Hours: 3

MUS 146 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. Students must supply their own guitar.
Lecture Hours: 2 Laboratory Hours:

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:

MUS 148 Introduction to American Music (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; blues history, work songs, and field hollers. It culminates in a detailed exploration of the various style periods in jazz, placing each movement in its historical and sociological context, including jazz as practiced today.
Lecture Hours: 3 Laboratory Hours: 0

MUS 149 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 is a general course introducing representative music of various periods from our musical heritage. Skills of intelligent listening are taught.
Lecture Hours: 3 Laboratory Hours: 0

MUS 154 Enrichment for Brass 0.5 HR. (TC)
This course provides individual brass instruction for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit.
Lecture Hours:.5 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 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 Enrichment for Woodwind 0.5 HR. (TC)
This course provides individual woodwind instruction for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit.
Lecture Hours:.5 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  ENRICHMENT FOR PERCUSSION  0.5 HRS. (TC)
This course provide individual percussion instruction for the developing music student and music students working on a secondary instrument. This course may be repeated three times for credit.
Lecture Hours: .5  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  THEORY I  3 HRS. (TC)
Prerequisite: MUS 136 with a grade of "C" or better, or a score of 35 on the Theory Placement exam, and concurrent enrollment in MUS 180. This is the first course in a series of four courses in music theory. The course includes basic fundamentals, diatonic functions, triads and seventh chords, principles of voice leading, harmonic progressions, inversions and concludes with cadences, phrases and sequences.
Lecture Hours: 3  Laboratory Hours: 0

MUS 171  THEORY 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 non-chord tones, diatonic seventh chords, voice leading practices, and concludes with secondary functions.
Lecture Hours: 3  Laboratory Hours: 0

MUS 180  MUSICIANSHIP I  1 HR. (TC)
Prerequisite: MUS 136 with a grade of "C" or better, or a score of 35 on the Theory Placement exam, and concurrent enrollment in MUS 170. This is the first course in a series of four courses devoted to the aural skills of musicianship. The course includes division of the beat in simple and compound meters; identification of scales, intervals, triads, and seventh chords; and melodies moving by step and using skips within the tonic triad in major and minor tonalities. Aural understanding is developed through dictation and sight singing.
Lecture Hours: 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.
Lecture Hours: 0  Laboratory Hours: 0

MUS 210  CLASS PIANO III  2 HRS. (TC)
Prerequisite: MUS 111 and concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137. This course is for future music majors who have little or no previous piano instruction. The purpose of this course is to develop a basic quality at the keyboard required by the musician and enhance aural understanding of music. Practice outside of the classroom required.
Lecture Hours: 2  Laboratory Hours: 0

MUS 211  CLASS PIANO IV  2 HRS. (TC)
Prerequisite: MUS 210 and concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137. This course is for future music majors who have little or no previous piano instruction. The purpose of this course is to develop a basic quality at the keyboard required by the musician and enhance aural musicianship. Practice outside of the classroom required.
Lecture Hours: 2  Laboratory Hours: 0

MUS 214  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  1 HR. (TC)
Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; and department approval. This course provides continuing individual study for the piano student planning to major in music. The student is expected to register for applied piano each semester. This course may be repeated three times for credit.
Lecture Hours: 1  Laboratory Hours: 0 or equivalent

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 or equivalent

MUS 228  APPLIED VOICE  1 HR. (TC)
Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; or department approval. This course provides continuing individual study for the voice student planning to major in music. The student is expected to register for Applied Voice each semester. This course may be repeated three times for credit.
Lecture Hours: 1  Laboratory Hours: 0

MUS 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 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 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.
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

MUS 234  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 237  VOCAL JAZZ ENSEMBLE  1 HR. (TC)
Prerequisite: Department approval. Voice majors, voice minors, and students from the total student body are encouraged to audition for this ensemble. This course may be repeated once for credit.
Lecture Hours: 0  Laboratory Hours: 3

MUS 254  APPLIED BRASS  1 HR. (TC)
Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; or department approval. This course provides individualized study for the brass student planning to major in music. The student is expected to register for Applied Music each semester. This course may be repeated three times for credit.
Lecture Hours: 1  Laboratory Hours: 0

MUS 255  APPLIED BRASS IV  1 HR. (TC)
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

MUS 258  APPLIED WOODWIND  1 HR. (TC)
Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; or department approval. This course provides individual wood-
wind instruction for the student planning to major in music. The student is expected to register for Applied Music each semester. This course may be repeated three times for credit.

Lecture Hours: 1  Laboratory Hours: 0

MUS 259  APPLIED WOODWIND IV  1 HR. (TC)
Prerequisite: MUS 258 with a grade of “C” or better and concurrent enrollment 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 260  APPLIED PERCUSSION  1 HR. (TC)
Prerequisite: Concurrent enrollment in one of the following ensembles: MUS 130, 131, 132, 134, 137; or department approval. This course provides individual percussion instruction for the student planning to major in music. The student is expected to register for Applied Music each semester. This course may be repeated three times for credit.

Lecture Hours: 1  Laboratory Hours: 0

MUS 261  APPLIED PERCUSSION IV  1 HR. (TC)
Prerequisite: Previous percussion experience, completion of previous course in sequence, and registration in ensemble or department approval. 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 262  APPLIED GUITAR III  1 HR. (TC)
Prerequisite: MUS 162 with a “C” or better and concurrent enrollment 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 263  APPLIED GUITAR IV  1 HR. (TC)
Prerequisite: MUS 262 with a grade of “C” or better and concurrent enrollment 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 264  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 - 9

MUS 270  THEORY III  3 HRS. (TC)
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 modalities, larger forms, mode mixture and the Neapolitan. The study of augmented sixth chords concludes this course.

Lecture Hours: 3  Laboratory Hours: 0

MUS 271  THEORY IV  3 HRS. (TC)
Prerequisite: MUS 270 and MUS 280 with a grade of “C” or better and concurrent enrollment in MUS 281. This is the fourth course in a series of four courses in music theory. The course includes enharmonic spellings and modulations, ninth, eleventh, and thirteenth chords, unclassified chord structures and complex harmonic progressions. Late 19th century harmony and 20th century materials and techniques like serial composition and atonality are also included.

Lecture Hours: 3  Laboratory Hours: 0

MUS 280  MUSICIANSHIP III  1 HR. (TC)
Prerequisite: MUS 181 and MUS 171 with a grade of “C” or better and concurrent enrollment in MUS 270. This is the third course in a series of four courses devoted to the aural skills of musicianship. The course includes an introduction to chromaticism; modulation to closely-related keys; and syncopation. Aural understanding is developed through dictation and sight singing.

Lecture Hours: 0  Laboratory Hours: 2

MUS 281  MUSICIANSHIP IV  1 HR. (TC)
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

Numerical Control Technology

NCTK 110  INTRODUCTION TO NUMERICAL CONTROL SYSTEMS  1 HR. (OC)
This course introduces the student to the evolution of machine tool technology; the development of hard automation and flexible automation; and the topics of automated control, servo systems, and computer numerical control terminology. The student is acquainted with computers in manufacturing and how they interface with CNC systems to perform useful work; the role of computer numerical control in automated work cells, flexible manufacturing systems and factory applications of CNC.

Lecture Hours: 1  Laboratory Hours: 0

NCTK 210  FUNDAMENTALS OF CNC PROGRAMMING  2 HRS. (OC)
Prerequisite: NCTK 212 with a “C” or better and MAT 106 with a grade of “C” or better or departmental approval. This course includes the theoretical and practical aspects of writing manual numerical control programs. Included is coding formats, preparatory functions, miscellaneous functions, and point-to-point and continuous path programming. Emphasis is on developing programs for three axis machine tools.

Lecture Hours: 1  Laboratory Hours: 3

NCTK 212  CNC MACHINE OPERATION I  2 HRS. (OC)
Prerequisite: MACT 121 with a grade of “C” or better; concurrent enrollment in NCTK 110 or department approval. This course prepares the student for practical programming assignments and is designed to give actual hands-on experience in the setting up and operation of CNC machining and turning centers.

Lecture Hours: 1  Laboratory Hours: 3

NCTK 214  CNC MACHINE OPERATION II  2 HRS. (OC)
Prerequisite: NCTK 212 with a grade of “C” or better or department approval. This course prepares the student for practical programming assignments, and is designed to give advanced hands-on experience in the setting up and operation of CNC machining and turning centers.

Lecture Hours: 1  Laboratory Hours: 3

NCTK 255  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 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

Occupational Therapy Assistant

OTA 110  FOUNDATIONS FOR THE OCCUPATIONAL THERAPY ASSISTANT  4 HRS. (OC)
Prerequisite: Acceptance to the Occupational Therapy Assistant Program. This course provides an introduction to the health care discipline of occupational therapy, including its history, philosophy, theory, ethics, safety of self and others, evidenced-based research and practice, cultural diversity, and specifically role delineation within the occupational therapy process and the Practice Framework. A broad overview of the relationship of physical and psychosocial health and disease will be presented, along with a focus on occupational performance, documentation and the Practice Framework for the occupational therapy assistant.

Lecture Hours: 3  Laboratory Hours: 2

OTA 111  OCCUPATIONAL THERAPY PROCESS FOR INDIVIDUALS AND GROUPS  4 HRS. (OC)
Prerequisite: Acceptance to the Occupational Therapy Assistant Program. This course addresses the fundamental concepts of occupational therapy for individual and group interventions, group development and group dynamics to support occupational performance, participation, and well-being across the lifespan with a primary focus on the aging process. Level I Fieldwork is completed. Level I Fieldwork experience is completed.

Lecture Hours: 3  Laboratory Hours: 2

OTA 112  MENTAL HEALTH AND FUNCTION ACROSS THE LIFESPAN  4 HRS. (OC)
Prerequisite: BIOL 140, OTA 110, OTA 111, and OTA 118, all with a grade of “C” or better or department approval. This course provides a basic understanding of mental health conditions and behaviors across the lifespan. The principles of the occupational therapy process, assessment and interventions are discussed. Level I Fieldwork with a psychosocial emphasis is completed.

Lecture Hours: 3  Laboratory Hours: 2
OTA 114 TASK ANALYSIS, ASSISTIVE TECHNOLOGY AND THERAPEUTIC MEDIA FOR THE OCCUPATIONAL THERAPY ASSISTANT 4 HRS. (OC)
Prerequisite: BIOL 140, OTA 110, OTA 111 and OTA 118, all with a "C" or better or department approval. This course, occupational therapy process including assessment and intervention implementation will be examined through task analysis, gradation of activities, and adaptation through the use of assistive technology and therapeutic media to promote occupational performance across the lifespan.
Lecture Hours: 2 Laboratory Hours: 6

OTA 118 APPLICATIONS OF ANATOMY AND KINESIOLOGY IN THE OCCUPATIONAL THERAPY PROCESS 4 HRS. (OC)
Prerequisite: Acceptance to the Occupational Therapy Assistant Program. In this course, body structures and functions of the neuromusculoskeletal system will be examined. Assessment of joint range of motion, coordination, and muscle strength will be emphasized in relation to performance in areas of occupation across the lifespan. Analysis of activities of daily living (ADL) and instrumental activities of daily living (IADL) tasks and their upper extremity activity demands including joint range of motion, muscle strength, and selective movement are discussed. Upper and lower extremity joint range of motion, goniometry, manual muscle testing, and functional mobility competencies are directly assessed. Therapeutic exercise and its relationship to performance skills and occupations will be emphasized.
Lecture Hours: 3 Laboratory Hours: 3

OTA 210 OCCUPATIONAL THERAPY PROCESS AND INTERVENTIONS IN PEDIATRICS 4 HRS. (OC)
Prerequisite: OTA 112 and OTA 114 both with a grade of C or better or department approval. This course applies the occupational therapy process in traditional and emerging pediatric practice settings. The focus of this course are assessments and interventions addressing physical, cognitive, behavioral, perceptual, sensory, neuromuscular and orthopedic impairments and conditions found in the pediatric population.
Lecture Hours: 3 Laboratory Hours: 3

OTA 211 OCCUPATIONAL THERAPY PROCESS AND INTERVENTIONS FOR PHYSICAL DYSFUNCTION ACROSS THE LIFE SPAN 4 HRS. (OC)
Prerequisite: OTA 210 and OTA 212 both with a grade of "C" or better or department approval. This course applies the occupational therapy process to individuals with physical dysfunction across the life span. The focus of this course are assessments and interventions addressing physical, cognitive, perceptual, sensory, neuromuscular and orthopedic impairments and conditions found in the pediatric population.
Lecture Hours: 3 Laboratory Hours: 3

OTA 212 OCCUPATIONAL THERAPY ASSISTANT FIELDWORK PRACTICE I-PEDIATRICS 5 HRS. (OC)
Prerequisite: OTA 112 and OTA 114 both with a grade of "C" or better or department approval. This course provides an offsite, clinical fieldwork experience with an emphasis on pediatrics. Concentrated focus on the developmental, physical, psychological and social factors that influence engagement in occupation with the pediatric population. Students are provided an in-depth learning opportunity to experience delivering occupational therapy services to individuals and groups, focusing on application of purposeful and meaningful occupation.
Lecture Hours: 1 Laboratory Hours: 20

OTA 213 OCCUPATIONAL THERAPY ASSISTANT PRACTICE II ACROSS THE LIFE SPAN 5 HRS. (OC)
Prerequisite: OTA 210 and OTA 212 both with a grade of "C" or better or department approval. This course provides an offsite, clinical fieldwork experience with an emphasis on cognitive, physical, psychological and social factors that influence engagement in occupation across the lifespan. Students are provided an in-depth learning opportunity in delivering occupational therapy services to individuals and groups, focusing on application of purposeful and meaningful occupation.
Lecture Hours: 1 Laboratory Hours: 20

OTA 220 MANAGEMENT AND ADMINISTRATION FOR THE OTA 3 HRS. (OC)
Prerequisite: OTA 210 and OTA 212 both with a grade of "C" or better or department approval. This course introduces program development, marketing, management and advocacy for occupational therapy service delivery. Concentrated focus on leadership, professional behaviors, and interprofessional team collaboration. This course includes a service learning project with key process partners from within the community.
Lecture Hours: 3 Laboratory Hours: 0

OTA 255 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 a faculty member including a detailed description of the study project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters. The project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department. A final written report is submitted to the faculty member by the student.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Office Administration and Computer Support

OFACS 125 POWERPOINT 1 HR. (OC)
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: 5

OFACS 126 OUTLOOK 1 HR. (OC)
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 3 HRS. (OC)
This course covers basic training in the use of commercially available electronic spreadsheet software. This course is repeatable up to three times.
Lecture Hours: 2 Laboratory Hours: 2

OFACS 133 DATABASE MANAGEMENT SYSTEMS 3 HRS. (OC)
This course covers basic training in the use of commercially available database management system software. This course is repeatable up to three times.
Lecture Hours: 2 Laboratory Hours: 2

OFACS 211 INTEGRATED OFFICE PROJECTS 3 HRS. (OC)
Prerequisite: WP 122, OFACS 132 and OFACS 133 all with a grade of "C" or better. This course is a capstone course that pulls together and integrates prior coursework to complete a variety of office-style projects utilizing integrated office application software (word processing, spreadsheet, database, and presentation). The students will navigate each software package independently and integrate the packages by linking and embedding files from a source to a destination. The students will complete office-style projects including, but not limited to, memoranda, letters, budgets, expense reports, customer mailing lists, stockholder reports, newsletters, brochures, flyers, itineraries, specialized forms, and presentations. Email, calendaring, and Internet applications will also be utilized.
Lecture Hours: 2 Laboratory Hours: 2

OFACS 232 ADVANCED SPREADSHEETS 3 HRS. (OC)
Prerequisite: OFACS 132 with a grade of "C" or better or department approval. This course covers the advanced topics of spreadsheets including multi-dimensional spreadsheets, graphics, databases, and printing enhancements. Macros (VBA) will be incorporated to present user-defined menus to assist in worksheet processing.
Lecture Hours: 2 Laboratory Hours: 2

OFACS 233 ADVANCED DATABASE 3 HRS. (OC)
Prerequisite: OFACS 133 with a grade of "C" or better. This course covers advanced training in the use of commercially available database management systems. Such topics as custom forms, custom reports, custom data access pages, HTML documents, integration with other programs, crosstab and action queries, relationships, macros, switchboards, and an introduction to SQL will be covered.
Lecture Hours: 2 Laboratory Hours: 2

Office Occupations

OFOC 111 TELEPHONE SKILLS FOR THE OFFICE 1 HR. (OC)
This course will cover training in the professional use of the telephone.
Lecture Hours: 1 Laboratory Hours: 0 or equivalent

OFOC 114 FUNDAMENTALS OF TRANSCRIPTION 3 HRS. (OC)
Prerequisite: Credit or concurrent enrollment in TYPE 121 or equivalent. This course covers basic fundamentals of transcription. Classroom activities emphasize basic secretarial grammar, word study, spelling, and punctuation required for the transcription of notes and rough drafts in a business office. The students use computers with word processing software programs to accomplish their daily tasks and tests.
Lecture Hours: 3 Laboratory Hours: 0

OFOC 117 USING VOICE RECOGNITION SOFTWARE 2 HRS. (OC)
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

OFOC 141 SPECIAL TOPICS 0.5 HR. (OC)
The content of this special topics course will vary to allow an examination of various topics such as software updates, new software, new productivity tools, and emerging trends and issues in the office environment. Each section offered
will present a unique topic of value to students in the office professions. This course may be repeated three times when the topic and content are different. Lecture Hours: 0.5 - 3.0 Laboratory Hours: 0 or equivalent

**OF OCC 200 MACHINE TRANSCRIPTION AND SPECIALIZED TERMINOLOGY**
2 HRS. (OC)
Prerequisite: Credit in OF OCC 114 and TYPE 121 with a grade of "C" or better. This course prepares individuals to support business information operations by using current technology to enter, process, and retrieve data including instruction in word processing software and transcription equipment. Students will create mailable transcribed business, medical, and legal documents. Lecture Hours: 1 Lab Hours: 2 or equivalent

**OF OCC 205 FUNDAMENTALS OF RECORDS CONTROL**
3 HRS. (OC)
This course examines the principles of storage, retention, transfer and disposition of records; and numerous filing systems, equipment and techniques of record management. Lecture Hours: 3 Lab Hours: 0

**OF OCC 210 ADMINISTRATIVE OFFICE PROCEDURES**
3 HRS. (OC)
Prerequisite: TYPE 121 with a grade of "C" or better and OF OCC 132 with a grade of "C" or better. This course provides students with opportunities to integrate technology, knowledge, and skills for successful office employment. Students will benefit from this class by learning basic procedures which office professionals are expected to know and by improving their interpersonal skills. Lecture Hours: 3 Lab Hours: 0

**OF OCC 250 OFFICE OCCUPATIONS INTERNSHIP**
3 HRS. (OC)
Prerequisite: Admission to an Office Occupations Internship Program and a 2.0 cumulative grade point average. The student-intern is placed in an area office to receive on-the-job training under the direction of a training station supervisor and/or employer. Student-interns also meet in class or individually with the office occupations coordinator for one hour per week to work on problems or special assignments related to the internship training. Lecture Hours: 1 Lab Hours: 15 or equivalent

**OF OCC 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 a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit. Lecture Hours: 0 Lab Hours: 3 - 15 or equivalent

**Orientation**

**ORIEN 099 LEARNING STRATEGIES**
3 HRS. (BEC)
Prerequisite: Appropriate score on placement test or department approval. In this course, students will build study skills for college coursework. Lecture Hours: 3 Lab 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 Lab 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 Lab Hours: 0

**Paralegal**

**PRLGL 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 Lab Hours: 0

**PRLGL 112 LEGAL RESEARCH**
3 HRS. (OC)
Prerequisite: PRLGL 110 with a grade of "C" or better or department approval. This course orientates 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 Lab Hours: 0

**PRLGL 113 LEGAL RESEARCH II**
3 HRS. (OC)
Prerequisite: PRLGL 112 with a grade of "C" or better. This course examines the purposes, forms, organization, design and language of legal writing and engages the student in the analysis and resolution of the issues presented by the law and the facts. The writing of appellate briefs, research and argumentative memoranda, as well as advisory letters is emphasized. Lecture Hours: 3 Lab Hours: 0

**PRLGL 114 FAMILY LAW**
3 HRS. (OC)
Prerequisite: PRLGL 110 and PRLGL 112 with a grade of "C" or better or department approval. This course studies the marital relationship including: formation, annulment, separation and dissolution (divorce). Consequential considerations are covered such as child custody and support, maintenance (alimony), property settlement and some of the tax consequences. Other matters included in the course are adoption, patriernity and the rights of family members. These topics are viewed in the light of Illinois law. The student participates in the completion and drafting of various forms and other documents. Lecture Hours: 3 Lab Hours: 0

**PRLGL 115 WILLS, TRUSTS AND ESTATE ADMINISTRATION**
3 HRS. (OC)
Prerequisite: PRLGL 110 and PRLGL 112 with a grade of "C" or better or department approval. This course informs the student of concepts in and the mechanics of will and trust preparation and estate administration and provides exercises appropriate to the duties of a legal assistant. Lecture Hours: 3 Lab Hours: 0

**PRLGL 116 CIVIL LITIGATION**
3 HRS. (OC)
Prerequisite: PRLGL 110 and PRLGL 112 with a grade of "C" or better and department approval. This course is a study of major steps in preparation for filing of and defensive pleadings for civil lawsuits; discovery; trial preparations, trial and post-trial matters; and ancillary matters. Appropriate reference is made to Illinois law. Exercises are provided. Lecture Hours: 3 Lab Hours: 0

**PRLGL 117 ADMINISTRATIVE LAW**
3 HRS. (OC)
Prerequisite: PRLGL 110 and PRLGL 112 with a grade of "C" or better or department approval. This course provides the student with an overview of administrative law, including agency rule-making and adjudication with specific emphasis on the processing of workers compensation cases under the Illinois Workers Compensation Act and federal social security practice. Lecture Hours: 3 Lab Hours: 0

**PRLGL 118 LAW OFFICE MANAGEMENT**
3 HRS. (OC)
Prerequisite: PRLGL 110 and PRLGL 112 with a grade of "C" or better or department approval. This course provides the student with exposure to practice-oriented, contemporary topics of law office management. In addition to studying the organization, politics, employment law and the procedures of a law office, students will be introduced to and given an opportunity to utilize legal oriented computer software applications in classroom exercises. Students will be exposed to exercises designed to provide exposure to the skills utilized by a paralegal in filing management, time keeping and billing, docket management and developments in computer based legal research and document movement. Lecture Hours: 3 Lab Hours: 0

**PRLGL 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 Lab Hours: 0

**PRLGL 121 PARALEGAL ETHICS AND PROFESSIONAL RESPONSIBILITIES**
3 HRS. (OC)
Prerequisite: Department approval. This course provides a "rubber" 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 Lab Hours: 0

**PRLGL 141 CURRENT LAW TOPICS**
1 HR. (OC)
Prerequisite: PRLGL 110 with a grade of "C" or better or department approval. This course provides the student with exposure to practice-oriented contemporary topics of law. In addition to studying the recent changes to the law, students will be exposed to exercises designed to provide exposure to the skills utilized by a paralegal in each area of the law covered within the semester. Repeatable up to a maximum of three semester hours of credit. Lecture Hours: 1 - 3 Lab Hours: 0 or equivalent
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 (HS 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 those fundamentals to such practical problems as advertising, the profit motive, labeling, public safety, natural resource preservation and other significant concerns which arise in normal business activities.
Lecture Hours: 3 Laboratory Hours: 0 or equivalent

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 109 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 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 or equivalent

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 126  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 cardiovascular 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 (mens and womens) 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, posture 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 utilization 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 crawlstrokes 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 and techniques of lifesaving. Instruction is given in safety, accident prevention, defense mechanisms and ability to assist and rescue others. The Lifeguarding Today Certificate may be earned. Lecture Hours: 0  Laboratory Hours: 2

PHYED 156  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 157  ADVANCED SCUBA DIVING  1 HR. (TC)
Prerequisite: PHYED 156 with a grade of "C" or better. This course consists of pool and classroom instruction in equipment maintenance, underwater navigation, diving maladies, ocean diving, and other specialty dives. Advanced scuba diving includes five open-water dives and advanced certification. Lecture Hours: 5  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 advancedstrokes 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 various dance tempos. Performance of waltz, fox trot, 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. Students will understand the wide diversity of the clients’ physical abilities.
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 IHSAA 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 or equivalent

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 or equivalent

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 HR. (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 or equivalent

Physical Science

PHYS 100 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: 3

PHYS 110 ENERGY AND ENVIRONMENT (P990LL) 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

PHYS 114 INTRODUCTION TO ASTRONOMY (P190EL) 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 HR. (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
PHTA 114 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT I 2 HRS. (OC)
Prerequisite: Acceptance to Physical Therapist Assistant Program. This course provides a beginning study of basic physical therapy skills. The emphasis is on asepsis and sterile technique, vital signs, body mechanics, basic positioning and bed mobility skills, wheelchairs, including basic management and mobility, transfer techniques and introduction to the patient chart and SOAP note writing format.
Lecture Hours: 1 Laboratory Hours: 3

PHTA 115 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT II 4 HRS. (OC)
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, biofeedback, ultrasound, therapeutic massage, techniques, documentation SOAP note writing and orientation to clinical practice.
Lecture Hours: 2 Laboratory Hours: 6

PHTA 116 FUNCTIONAL ANATOMY 4 HRS. (OC)
Prerequisite: PHTA 114 and BIOL 140 with a grade of "C" or better, or department approval. This course includes analysis of human motion and muscle actions with detailed study of the musculoskeletal and nervous systems. It provides the foundation for understanding and application of physical therapy approaches to treatment.
Lecture Hours: 2 Laboratory Hours: 6

PHTA 118 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT III 5 HRS. (OC)
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, focusing on orthopedic and arthritic conditions and their therapeutic management. Therapeutic exercise including stretching and strengthening, postural training, mechanical traction, goniometry, manual muscle testing and the understanding of common special tests performed by the physical therapist.
Lecture Hours: 3 Laboratory Hours: 6

PHTA 130 CLINICAL I 1 HR. (OC)
Prerequisite: PHTA 216 with a grade of "C" or better or department approval. This course includes an orientation to the clinical facility and supervised clinical practice in a physical therapy department. Students will participate and observe a variety of patient care interventions used in a physical therapy setting.
Lecture Hours: 0 Laboratory Hours: 8 or equivalent

PHTA 216 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT IV 3 HRS. (OC)
Prerequisite: PHTA 112, PHTA 115, PHTA 116, and HLTH 121 all with a grade of "C" or better or department approval. This course provides an orientation to the principles of therapeutic electrical currents and their effects on the human body. Electrotherapeutic techniques used in physical therapy are introduced.
Lecture Hours: 1 Laboratory Hours: 4

PHTA 218 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT V 5 HRS. (OC)
Prerequisite: PHTA 118 and PHTA 216 with a grade of "C" or better and PHTA 130 with a "S" grade or department approval. This course focuses on common neurological conditions treated in physical therapy for adult and pediatric populations.
Lecture Hours: 3 Laboratory Hours: 6

PHTA 220 FUNDAMENTALS FOR THE PHYSICAL THERAPIST ASSISTANT VI 4 HRS. (OC)
Prerequisite: PHTA 218 with a grade of "C" or better and PHTA 230 with a "S" grade or department approval. This course is a continuation of PHTA 218 with a focus on therapeutic interventions for adult and pediatric populations.
Lecture Hours: 2 Laboratory Hours: 6

PHTA 222 CLINICAL SEMINAR 2 HRS. (OC)
Prerequisite: PHTA 218 with a grade of "C" or better and PHTA 230 with a "S" grade or department approval. This course incorporates an overview of the organization and administration of a physical therapy practice including legal and ethical issues, professional literature and evidence based practice, healthcare management and administration, reimbursement, quality improvement, and the role of physical therapy personnel. This course also covers professional issues including preparation for employment, continuing education and lifelong learning, and preparation for the licensing examination.
Lecture Hours: 2 Laboratory Hours: 0

PHTA 230 CLINICAL II 2 HRS. (OC)
Prerequisite: PHTA 118 with a grade of "C" or better and PHTA 130 with a grade of "S" or department approval. This course is a progression of PHTA 130 in which the student develops the ability to initiate treatment interventions and increase clinical problem solving and understanding of rationale and outcomes. The student will treat more complex patients with continued direct personal supervision by qualified clinical instructors.
Lecture Hours: 0 Laboratory Hours: 16 or equivalent

PHTA 232 CLINICAL III 4 HRS. (OC)
Prerequisite: PHTA 220 and PHTA 222 with a "C" or better and PHTA 230 with a "S" grade or department approval. This course is a progression of PHTA 230 in which the student develops consistent proficiency with all aspects of a full time physical therapist assistant's patient care workload, under general supervision of qualified clinical instructors.
Lecture Hours: 0 Laboratory Hours: 20 or equivalent

PHTA 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 a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters) and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit.
Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

Physics

PHYS 104 PRE-TECHNICAL PHYSICS 4 HRS. (OC)
Prerequisite: A grade of "C" or better in MAT 106 or equivalent. This is a course in elementary physics. It is intended to provide the student with an introduction to basic scientific units of measure, dimensional analysis, and basic applications of physical principles to the student's technical interests. The topics selected and discussed will be directed toward the student's field of study.
Lecture Hours: 3 Laboratory Hours: 3

PHYS 110 FOUNDATIONS OF PHYSICS (P1 901L) 4 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is an introductory treatment of the study of motion, atomic structure, heat, sound, electricity and light. An attempt is made to relate directly the physical concepts to the major fields of study represented in the class. Designed for students in some of the applied science programs, as a general education course for students in the non-science transfer programs, and as a foundations course for students strengthening their science background before enrolling in one of the regular physics sequences.
Lecture Hours: 3 Laboratory Hours: 2

PHYS 112 TECHNICAL PHYSICS I 4 HRS. (TC)
Prerequisite: A grade of "C" or better in MATH 130 or equivalent. This course covers the basic concepts of mechanics (forces, velocity, acceleration, energy, power); heat and thermodynamics; simple machines; fluid mechanics; and mechanical properties of materials. Mathematics used in computations include algebra, trigonometry, and some basic programming.
Lecture Hours: 3 Laboratory Hours: 3

PHYS 113 TECHNICAL PHYSICS II 4 HRS. (TC)
Prerequisite: PHYS 112 with a grade of "C" or better. This course covers the advanced concepts of mechanics (impulse, momentum, projectile motion, rotational motion, circular motion, simple harmonic motion); light and optics; electricity; magnetism; solid-state physics; and modern physics (atomic and nuclear physics).
Lecture Hours: 3 Laboratory Hours: 3

PHYS 120 GENERAL PHYSICS (P1 900L) 5 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval and high school or college credit in trigonometry or concurrent enrollment in MATH 120. This course is a study of mechanics and thermodynamics designed for students in the liberal arts.
Lecture Hours: 4 Laboratory Hours: 3

PHYS 121 GENERAL PHYSICS 5 HRS. (TC)
Prerequisite: PHYS 120 with a grade of "C" or better. This course is a continuation of PHYS 120. The course includes: the study of electricity, magnetism, wave motion, light and modern physics.
Lecture Hours: 4 Laboratory Hours: 3

PHYS 211 ENGINEERING PHYSICS: MECHANICS 4 HRS. (TC)
Prerequisite: PHYS 110 with a grade of "C" or better, or high school physics, MATH 222 with a grade of "C" or better, and credit or concurrent enrollment in MATH 223. This course is a study of mechanics for students majoring in engineering, mathematics, physics, or chemistry. Topics will include Newton's laws; linear and rotational kinematics, dynamics, and momentum; systems of particles; work and energy; harmonic motion and waves.
Lecture Hours: 3 Laboratory Hours: 3
PHYS 213 ENGINEERING PHYSICS: THERMODYNAMICS (EGR 913 PHY 913) 2 HRS. (TC)
Prerequisite: A grade of "C" or better in PHYS 212 and PHYS 224. This course is a continuation of PHYS 212 and is a study of thermal and fluid physics for students majoring in engineering, mathematics, physics, or chemistry. Topics include: heat and temperature, kinetic theory of gases, specific and latent heat, heat transfer, first and second laws for thermodynamics, heat engines, fluid statics and dynamics, propagation of sound, universal gravitation.
Lecture Hours: 1.5 Laboratory Hours: 1.5

PHYS 214 ENGINEERING PHYSICS: MODERN PHYSICS 2 HRS. (TC)
Prerequisite: A grade of "C" or better in PHYS 213; credit with a grade of "C" or better or concurrent enrollment in MATH 250. This course is a continuation of PHYS 213, a study of modern physics for students majoring in engineering, mathematics, physics, or chemistry. Topics include: special relativity; interference and diffraction; photons, matter waves, and the uncertainty principle; wave mechanics; atomic structure and potential wells; solid-state physics and conduction; nuclear and elementary particle physics.
Lecture Hours: 1.5 Laboratory Hours: 1.5

Political Science

POLSC 115 AMERICAN NATIONAL GOVERNMENT (S$ 900) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course presents contemporary American political behavior, government and power relationships at the national level.
Lecture Hours: 3 Laboratory Hours: 0 or equivalent

POLSC 119 STATE AND LOCAL GOVERNMENT (S$ 902) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course, State and Local Government is designed to familiarize students with the governance structure at the state and local levels. It is also focused on the decision-making processes at these levels of government and the ways in which these entities interact with the national government. A primary emphasis of the course will be a comparative approach with a view toward understanding policy outcomes at all levels of government. Specific attention will be focused on education, criminal justice, health/welfare, environment, and economic development.
Lecture Hours: 3 Laboratory Hours: 0 or equivalent

POLSC 120 POLITICAL METHODS AND CONCEPTS (S$ 903) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course will provide a comprehensive introduction to issues and concepts in the discipline of political science, its history and development, its area of inquiry, and sub-fields.
Lecture Hours: 3 Laboratory Hours: 0

POLSC 122 INTRODUCTION TO INTERNATIONAL RELATIONS (S$ 904) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is a theoretical approach to questions of international peace, international conflict, the behavior of nations, and the prospects of survival.
Lecture Hours: 3 Laboratory Hours: 0 or equivalent

POLSC 124 COMPARATIVE POLITICAL SYSTEMS (S$ 905) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. This course is an investigation of democratic and non-democratic political systems. Comparisons are made of political cultures, theories, constitutions, citizen participation, party and group influence, governments, and public policies.
Lecture Hours: 3 Laboratory Hours: 0

Practical Nursing

PRNRS 110 PRACTICAL NURSING I 9 HRS. (OC)
Prerequisite: Acceptance to the Practical Nursing curriculum and concurrently enrolled in BIOL 140, and RNRS 150 or completion with a grade of "C" or better. This course is the study of nursing concepts to meet patient’s basic needs. The emphasis is on human adaptation and the acquisition of skills and knowledge fundamental to the care of all patients. Clinical experiences assist the student to begin assessing the patients, utilizing nursing diagnoses, understanding fundamental pharmacology theory, identifying measurable patient outcomes, developing nursing interventions with focus on Maslow's Hierarchy of Needs.
Lecture Hours: 5 Laboratory Hours: 12

PRNRS 111 PRACTICAL NURSING II 12 HRS. (OC)
Prerequisite: PRNRS 110 and RNRS 150 with a grade of "C" or better. This course builds upon the concepts introduced in Practical Nursing I and utilizes the nursing process in dealing with more complex health care problems. Supervised clinical experience with adults in hospitals and other community agencies is included.
Lecture Hours: 7 Laboratory Hours: 15

PRNRS 112 PRACTICAL NURSING III 5 HRS. (OC)
Prerequisite: PRNRS 111 with a grade of "C" or better. This course places emphasis on care of the expectant family and pediatric patients. Supervised clinical experience in hospital obstetrics and pediatrics departments is included.
Lecture Hours: 3 Laboratory Hours: 6

PRNRS 160 MEDICAL CORPSMAN TO PRACTICAL NURSE TRANSITION COURSE 6 HRS. (OC)
Prerequisite: Successful completion of the METC Basic Medical Technician Corpsman Program within the last five years. If more than five years, at least one year of experience using corpsman skills within the last five years, or department approval. This course is designed for Veterans who have completed the Medical Education and Training Campus (METC) Basic Medical Technician Corpsman Program and seek to earn a practical nurse certificate. The program addresses differences in competencies between the METC Basic Medical Technician Corpsman Program and those of a practical nursing program as delineated in the Illinois Nurse Practice Act. Program components include didactic, clinical and skills validation learning experiences. Upon successful program completion, students will be awarded a practical nurse certificate and may apply to the Illinois Board of Nursing for licensure as a Licensed Practical Nurse by examination NCLEX-PN (National Council Licensure Exam- Practical Nurse). This course is typically offered as an eight week course.

*Navy B-300-0010 Hospital Corpsman (HM-0000), Air Force Phase 1 L8AQ4J030144A, Aerospace Medical Service Apprentice Course (4N031)
Lecture Hours: 2 Laboratory Hours: 12 or equivalent

PRNRS 175 NURSE REFRESHER INTERNSHIP FOR LICENSED PRACTICAL NURSE 5 HRS. (VSC)
Prerequisite: An active licensed practical nursing license from the state of Illinois, or referral from restoration process set forth by Illinois Department of Financial and Professional Regulation or department approval. This course focuses on the study of current nursing practice to enhance knowledge, skills, and professional attitudes and behaviors needed to re-enter clinical nursing practice.
Lecture Hours: 3 Laboratory Hours: 6 or equivalent

Professional Development – Tractor/Trailer Driver Training

PDTTD 110 TRUCK DRIVING 7 HRS. (OC)
Prerequisite: Department approval. This course is designed to prepare individuals for a career as a commercial driver and leads to a Tractor Trailer Driver Certificate. Students will develop proficiency in operating a vehicle and will study trucking regulations, reporting requirements, map reading and trip planning. Upon successful completion of course work, students will take the Secretary of State Class A Skills Test. Daytime classes begin monthly, and evening classes begin every two months. Usually taught with forty hours of classroom lecture and 120 hours of yard work and behind-the-wheel practice.
Lecture Hours: 3 Laboratory Hours: 7

Psychology

PSY 110 INTRODUCTION TO PSYCHOLOGY (S$ 900) 3 HRS. (TC)
Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval. Psychology is the scientific study of behavior and mental processes. This course will introduce the student to fundamentals of physiological psychology, sensation and perception, learning, emotions and motivation, and psychological disorders and their treatment. The role of research and the scientific method are emphasized throughout the course.
Lecture Hours: 3 Laboratory Hours: 0

PSY 112 PERSONALITY 3 HRS. (TC)
Prerequisite: PSY 110 with a grade of “C” or better. This course is a comparison of the major theoretical approaches to explaining personality, including its development and relation to adaptive and maladaptive human behavior. The discussion of empirical research and treatment methods will be included.
Lecture Hours: 3 Laboratory Hours: 0
PSY 115  PSYCHOLOGY OF GENDER DIFFERENCES  3 HRS. (TC)
Prerequisite: PSY 110 with a grade of "C" or better. This course examines the
theoretical explanations and research findings dealing with observed sex-related
differences in behavior. The relative contributions of biological, psychological, and
socialization factors will be examined.
Lecture Hours: 3  Laboratory Hours: 0

PSY 116  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 to change, and discover
what is most 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 emphasizes the application of psychological principles and knowledge to the
learning process in an educational setting. The course's objectives are aligned with the
Illinois Professional Teaching Standards.
Lecture Hours: 3  Laboratory Hours: 0 or equivalent

PSY 202  CHILD AND ADOLESCENT DEVELOPMENT (S8 903)  3 HRS. (OC)
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 or equivalent

PSY 210  HUMAN SOCIAL BEHAVIOR (S8 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 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. (TC)
Prerequisite: PSY 110 with a grade of "C" or better. This course addresses the
theory, research and practical applications of behavior in organizations. Specific
topics pertain to understanding self and others at work, creating effective work
groups, leadership and management, and effective organizations. Students will
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 (S8 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 this
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  0.5 HR. (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 or equivalent

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  1 HR. (OC)
Prerequisite: Concurrent enrollment in RADTK 110. This course provides participa-
tion 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  3 HRS. (OC)
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 or equivalent

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  2 HRS. (OC)
Prerequisite: Concurrent enrollment in RADTK 200. This course provides participa-
tion 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

RADTK 211 RADIOGRAPHY, DIRECTED PRACTICE III 3 HRS. (OC)
Prerequisite: Concurrent enrollment in RADTK 210. This course provides participation in supervised clinical experience in a hospital medical imaging department.

Lecture Hours: 0 Laboratory Hours: 24

RADTK 220 RADIOGRAPHY III 3 HRS. (OC)
Prerequisite: RADTK 210 and RADTK 260 with a grade of “C” or better and RADTK 211 with a grade of “S”. This course is designed to provide a knowledge base necessary to perform imaging procedures of the circulatory, lymphatic, biliary, urinary, central nervous, and reproductive systems, and other special studies with emphasis on related pharmacology, equipment, and image analysis. Additional imaging modalities will also be presented and explored.

Lecture Hours: 3 Laboratory Hours: 0

RADTK 221 RADIOGRAPHY, DIRECTED PRACTICE IV 3 HRS. (OC)
Prerequisite: Concurrent enrollment in RADTK 220. This course provides participation in supervised clinical experience in a hospital medical imaging department.

Lecture Hours: 0 Laboratory Hours: 24

RADTK 230 RADIOGRAPHY IV 2 HRS. (OC)
Prerequisite: RADTK 220 with a grade of “C” or better and RADTK 221 with a grade of “S”. This course enhances students’ knowledge and understanding of current trends and issues related to the radiologic sciences. It also serves as a comprehensive review for the national certification examination.

Lecture Hours: 2 Laboratory Hours: 0

RADTK 231 RADIOGRAPHY, DIRECTED PRACTICE V 2 HRS. (OC)
Prerequisite: Concurrent enrollment in RADTK 230. This course provides participation in supervised clinical experience in a hospital medical imaging department.

Lecture Hours: 0 Laboratory Hours: 14

RADTK 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 a faculty member (including a detailed description of the project, the number of credit hours assigned to it, the evaluative criteria to be used, and other relevant matters), and the project is carried out under the periodic direction of the faculty member. The written plan is submitted to the dean/associate dean for approval and remains on file within the department, together with a final written report submitted to the faculty member by the student. Repeatable up to a maximum of five semester hours of credit. Three to fifteen laboratory hours per week or equivalent.

Lecture Hours: 0 Laboratory Hours: 3 - 15 or equivalent

RADTK 260 SECTIONAL ANATOMY FOR DIAGNOSTIC IMAGING 3 HRS. (OC)
Prerequisite: RADTK 200 with a “C” or better and RADTK 201 with a grade of “S” or department approval. This course is a study of human anatomy in sectional planes visualized in computed tomography (CT), magnetic resonance imaging (MR), and ultrasound. Emphasis is on anatomy of the head, neck, spine, thorax, abdomen, pelvis, and musculoskeletal system with comparison of planar anatomy to sectional anatomy.

Lecture Hours: 3 Laboratory Hours: 0

RADTK 270 PATHOLOGY AND PHARMACOLOGY FOR THE IMAGING PROFESSIONAL 3 HRS. (OC)
Prerequisite: RADTK 210 and 260 with a grade of “C” or better and RADTK 211 with a grade of “S” or department approval. This course is designed to provide an understanding of common pathologic conditions and disease processes. Each disease or traumatic process is studied based on its description, etiology, symptoms, and diagnosis with its appearance on images in radiography, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Nuclear Medicine and Sonography as applicable. Basic concepts of pharmacology as well as techniques of venipuncture and administration of diagnostic contrast agents are also included.

Lecture Hours: 3 Laboratory Hours: 0

RADTK 280 COMPUTED TOMOGRAPHY PRINCIPLES, INSTRUMENTATION AND IMAGING PROCEDURES 3 HRS. (OC)
Prerequisite: RADTK 210 and 260 with a grade of “C” or better and RADTK 211 with a grade of “S” or department approval. This course is designed to provide an understanding of the Computed Tomography (CT) system including: operation and components, data acquisition and display, image quality, artifact production and reduction, and quality control standards. CT imaging procedures and radiation protection measures will also be presented.

Lecture Hours: 3 Laboratory Hours: 0

RADTK 285 COMPUTED TOMOGRAPHY PRACTICUM 3 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) and maintain a current license in medical radiation technology from the Illinois Emergency Management Agency (IEMA), Department of Nuclear Safety; Department approval. This course emphasizes the practical aspects of Computed Tomography (CT) through clinical practice including patient positioning, care and handling, as well as scanning protocols for the head, neck, spine, chest, abdomen, pelvis and musculoskeletal system. Supervised performance in an approved hospital and/or imaging center also emphasizes the practical aspects of the equipment and the clinical applications of CT.

Lecture Hours: Laboratory Hours: 24 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: 0

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

READ 115 COLLEGE READING AND STUDY SKILLS 2 HRS. (TC)
Prerequisite: Appropriate score on reading placement test or department approval. This course is designed to develop various reading and study skills demanded in college classes. Emphasis will be given to the development of flexibility of reading rate, improvement of critical reading techniques, skimming and scanning, and study skill techniques. Specific study skills such as textbook reading, note taking, time management, and test taking will be presented and practiced.

Lecture Hours: 1 Laboratory Hours: 2

Refrigeration and Air Conditioning

REACT 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

REACT 112 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

REACT 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

REACT 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

REACT 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

**REACT 121 HEAT PUMPS AND GEOTHERMAL** 4 HRS. (OC)
Prerequisite: REACT 112 and REACT 120 with a grade of “C” or better. This course develops the skills needed for hands-on experience in servicing and repairing heat pumps, geothermal systems, and electric air handlers.

Lecture Hours: 3 Laboratory Hours: 3

**REACT 122 RESIDENTIAL HYDRONIC SYSTEMS** 3 HRS. (OC)
Prerequisite: REACT 121 with a grade of “C” or better or department approval. This course develops the skills needed to understand wiring diagrams, piping diagrams, sequence of operation, and hands-on experience in repairing of residential hydronic systems.

Lecture Hours: 3 Laboratory Hours: 3

**REACT 130 LIGHT COMMERCIAL REFRIGERATION** 4 HRS. (OC)
Prerequisite: REACT 112 with a grade of “C” or better. This course includes the study of equipment that is used in medium and low temperature applications. Special attention is given to sizing systems, metering devices, controls, electrical schematics and troubleshooting.

Lecture Hours: 3 Laboratory Hours: 3

**REACT 131 COMMERCIAL REFRIGERATION AND ICE MACHINES** 4 HRS. (OC)
Prerequisite: REACT 130 with a grade of “C” or better. This course covers electrical installation diagrams and electrical wiring diagrams. Emphases are placed on the use and reading of schematics of ice machines, reach-in coolers, walk-in coolers, reach-in freezers, walk-in freezers, and supermarket refrigeration systems.

Lecture Hours: 3 Laboratory Hours: 3

**REACT 139 RESIDENTIAL SYSTEMS INSTALLATION** 1 HR. (OC)
Prerequisite: REACT 110, REACT 118, REACT 119, and REACT 120 with a “C” or better. This course will require the student to install residential heating and cooling systems that comply with manufacturing specifications and meet municipal code.

Lecture Hours: 0 Laboratory Hours: 3

**REACT 141 TOPICS IN HVAC/R INDUSTRY** 1 HR. (OC)
Prerequisite: Departmental approval. This course delves into specific topics of the HVAC/R industry. The topics will be dealing with the most up to date changes and effects on the industry.

Lecture Hours: 1-5 Laboratory Hours: 0 or equivalent

**REACT 211 RESIDENTIAL EQUIPMENT DESIGN I** 4 HRS. (OC)
Prerequisite: ARCTK 119 with a grade of “C” or better, or department approval. This course includes an introduction to psychometric charts, air flow, air distribution, the selection and sizing of equipment and room airflow requirements. With the primary focus on residential heat load and heat gain calculations.

Lecture Hours: 3 Laboratory Hours: 2

**REACT 213 RESIDENTIAL EQUIPMENT DESIGN II** 4 HRS. (OC)
Prerequisite: REACT 211 with a grade of “C” or better. This course is a continuation of REACT 211. The student will learn to design residential heating, cooling, and forced air duct systems, supply diffuser sizes, and return grill sizes based on a residential dwelling heat loss/gain capacity.

Lecture Hours: 3 Laboratory Hours: 2

**REACT 219 DUCT FABRICATION** 2 HRS. (OC)
Prerequisite: REACT 119 with a grade of “C” or better. In this course, students will gain skills in creating sheet metal developments that will be formed to make transitions in heating and cooling systems. Manufacturer’s installation specifications will be followed as students learn to design and build solutions that result in a safe and properly functioning residential heating and/or cooling system.

Lecture Hours: 1 Laboratory Hours: 3

**REACT 220 BALANCING AND TESTING HVAC SYSTEMS** 2 HRS. (OC)
Prerequisite: Concurrent enrollment in REACT 222 or department approval. In this course, the student will learn the process of commissioning hydronic and forced air HVAC systems for residential and light commercial structures.

Lecture Hours: 1 Laboratory Hours: 3

**REACT 237 OCCUPATION INTERNSHIP I** 1 HR. (OC)
Prerequisite: Department approval. This course will provide the student majoring in Refrigeration, Heating and Air-Conditioning with valuable on-the-job training working with service technicians and/or engineers.

Lecture Hours: 0 Laboratory Hours: 5 or equivalent

**REACT 238 OCCUPATION INTERNSHIP II** 1 HR. (OC)
Prerequisite: Department approval. This course will provide the student majoring in Refrigeration, Heating and Air-Conditioning with valuable on-the-job training working with service technicians and/or engineers.

Lecture Hours: 0 Laboratory Hours: 5 or equivalent
RESP 121  HEALTH ASSESSMENT OF THE ADULT PATIENT  2 HRS. (OC)
Prerequisite: Concurrently enrolled in RNRS 110 or department approval. This course is designed to assist the student to develop or improve his or her assessment skills. Using the techniques of history taking, inspection, palpation, percussion, and auscultation, the student will be able to complete a head-to-toe physical assessment of the adult patient. Emphasis is also placed on proper recording of assessed findings.
Lecture Hours: 2  Laboratory Hours: 1

RESP 220  NURSING III  10 HRS. (OC)
Prerequisite: RNRS 111 and RNRS 120 with a grade of "C" or better; and concurrently enrolled in BIOL 206 or completion with a grade of "C" or better. This course focuses on the study of utilizing the nursing process as a framework to provide nursing care to patients with behavioral health problems and complex health problems.
Lecture Hours: 6  Laboratory Hours: 12

RESP 221  NURSING IV  10 HRS. (OC)
Prerequisite: RNRS 220 and BIOL 210 with a grade of "C" or better; and concurrently enrolled in RNRS 222. This course focuses on the study of utilizing the nursing process as a framework to provide nursing care to surgical, oncology, orthopedic, and pediatric patients. Managing the holistic needs of patients is emphasized.
Lecture Hours: 5  Laboratory Hours: 15 or equivalent

RESP 222  NURSING MANAGEMENT AND LEADERSHIP  2 HRS. (OC)
Prerequisite: RNRS 220 with a grade of "C" or better and concurrently enrolled in RNRS 221. This course is designed to facilitate the transition from the role of student to the role of graduate through knowledge of current trends and issues in nursing and the forces which continue to shape the profession.
Lecture Hours: 2  Laboratory Hours: 0

RESP 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 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 the 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

Resp 076  CURRENT CONCEPTS IN RESPIRATORY CARE  1 HR. (VSC)
Prerequisite: CRT or RRT credential from the National Board for Respiratory Care or department approval. This course is designed to update knowledge in patient assessment, patient care skills, and new equipment. This course is repeatable three times for license renewal. Fourteen lecture and ten laboratory hours in four days or equivalent.
Lecture Hours: 14  Laboratory Hours: 10 or equivalent

RESP 110  INTRODUCTION TO RESPIRATORY CARE  1 HR. (OC)
Prerequisite: Admission to the Respiratory Therapist Program or department approval. This course is an introduction to the respiratory care profession and the organization of the service in the acute hospital setting. Legal and ethical principles will be discussed. Workplace skills and professionalism will be emphasized.
Lecture Hours: 0.5  Laboratory Hours: 1.5 or equivalent

RESP 112  FUNDAMENTALS OF RESPIRATORY CARE I  4 HRS. (OC)
Prerequisite: Admission to the Respiratory Therapist Program. A beginning study of the elementary techniques used in respiratory care are covered and practiced. Included in this course is hyperinflation therapy, chest physiotherapy, medical gas therapy, aerosol therapy, humidity therapy, gas cylinders and regulators, and basic sciences for respiratory care.
Lecture Hours: 3  Laboratory Hours: 3

RESP 115  RESPIRATORY CARE PRACTICUM I  3 HRS. (OC)
Prerequisite: Admission to the Respiratory Therapist Program or department approval. This course includes an orientation to the hospital and an introduction to medical terminology and specific respiratory care techniques and basic health skills in a laboratory setting. Students will observe and perform respiratory care techniques in a supervised clinical setting. Sixteen laboratory or supervised practice hours per week.
Lecture Hours: 0  Laboratory Hours: 16

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 all with a grade of "C" or better. This course is a continuation of RESP 115 including supervised experience in the administration of respiratory care.
Lecture Hours: 0  Laboratory Hours: 16

RESP 127  CARDIOPULMONARY DISEASES  3 HRS. (OC)
Prerequisite: RESP 110, RESP 112, RESP 115, and RESP 122 all with a grade of "C" or better or department approval. This course is an introduction to the study of disease with an emphasis on cardiopulmonary disorders: their etiology, pathophysiology, diagnosis, and treatment.
Lecture Hours: 2  Laboratory Hours: 2

RESP 201  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 220  RESPIRATORY CARE PRACTICUM III  3 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 125 including clinical experience in the administration of respiratory care in local respiratory care departments. Emphasis is on adult critical care procedures. Supervision will be provided by qualified respiratory personnel.
Lecture Hours: 0  Laboratory Hours: 16

RESP 231  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 in local respiratory care departments. Emphasis is on adult, pediatric, and neonatal critical care procedures. Supervision will be provided by qualified respiratory personnel.
Lecture Hours: 0  Laboratory Hours: 16

RESP 240  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: 0  Laboratory Hours: 1.5

RESP 255  INDEPENDENT STUDY  1 HR. (OC)
Prerequisite: Department approval. This course provides the student the opportunity to work on a technical project, research, or other specialized study related to individual academic needs. A written plan for the independent study project is...
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**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 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

- **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 strengths.
  - 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, 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, economics, social structure, personality development and religion.
  - Lecture Hours: 3 Laboratory Hours: 0

**Social Science**

- **SSC 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

**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: 4 Laboratory Hours: 0

- **SPAN 110** Elementary Spanish I 4 HRS. (TC)
  - Prerequisite: SPAN 111 with a grade of "C" or better or equivalent. This course is a continuation of SPAN 110 with emphasis on listening, speaking, reading, and writing. The course is conducted primarily in Spanish.
  - Lecture Hours: 4 Laboratory Hours: 0

- **SPAN 210** Intermediate Spanish I 4 HRS. (TC)
  - Prerequisite: SPAN 111 with a grade of "C" or better or equivalent. This course emphasizes conversation, selected readings, and composition. The course is conducted primarily in Spanish.
  - Lecture Hours: 4 Laboratory Hours: 0

- **SPAN 211** Intermediate Spanish II (H1 900) 4 HRS. (TC)
  - Prerequisite: COMPASS reading score of 81 or higher, or equivalent, or department approval, and SPAN 210 with a grade of "C" or better or equivalent. This course is a continuation of SPAN 210 with emphasis on advanced conversation, reading, and composition. The course is conducted in Spanish.
  - Lecture Hours: 4 Laboratory Hours: 0

**Spanish General Education Development**

- **SPGED 090** Spanish GED Review I 1 HR. (ASE)
  - Prerequisite: Reading level of 9-12 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 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 9-12.5 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 introductory course for production and inventory management personnel and certified in production and inventory management (CPIM) candidates. It provides basic definitions and concepts for planning and controlling the flow of materials into, through, and out of an organization. The course addresses types of manufacturing systems, forecasting, master planning, material requirements planning, capacity management, production activity control, purchasing, inventory management, distribution, quality management, and Just-In-Time (JIT) manufacturing.
Lecture Hours: 2 Laboratory Hours: 0

SCM 231 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 PROJECT MANAGEMENT 3 HRS. (OC)
Prerequisite: SCM 220 with a grade of “C” or better or department approval. This course focuses on the principles of project management. It explains the importance of project management skills that will assist in one role as a project sponsor, project leader or project team member. Management's knowledge and understanding of project management has grown to the level where it is utilized in most companies in one form or another. Demand is high for those who have project management skills. This course addresses those skills as well as assets with preparation for Project Management Professional certification by highlighting key topics from the Project Management Body of Knowledge.
Lecture Hours: 3 Laboratory Hours: 0

SCM 234 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 operating 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 3 HRS. (OC)
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 0.5 HR. (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 FUNDAMENTALS 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: surgical landmarks, surgical anatomy, incisions and terminology related to laparotomy, hernias, breast, veins, and rectal, obstetrical and gynecological surgical procedures.
Lecture Hours: 5 Laboratory Hours: 14

SURTK 122 FUNDAMENTALS OF SURGICAL TECHNOLOGY II 6 HRS. (OC)
Prerequisite: Completion of SURTK 121 with a grade of “C” or better and completion of BIOL 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 and delivery 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 FUNDAMENTALS 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, bariatrics, plastics, oral, ophthalmic, and otorhinolaryngology.
Lecture Hours: 5 Laboratory Hours: 24 or equivalent

SURTK 211 ADVANCED FUNDAMENTALS 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 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 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
Theatre

**THTRE 110   THEATRE APPRECIATION (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 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, aesthetic, 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 914)  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 acquaint the student with the study and practice of the fundamentals of directing through director terminology, brief historical development and importance of the director. The student will acquire practical knowledge and use of the director's tools, beginning script analysis, use of stage space and work with actors in a laboratory setting.
Lecture Hours: 3 Laboratory Hours: 1

**THTRE 210   INTRODUCTION TO COSTUMING  3 HRS. (TC)**
This introductory course focuses on planning and executing costumes for theatrical production including experience in conjunction with department 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 must 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 duet, trio and ensemble exercises. Completion of this course will provide a basic knowledge of theatrical and dramatic stage movement.
Lecture Hours: 0 Laboratory Hours: 6

**THTRE 222   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 develop the director's tools, director/actor communication, and the understanding and use of acting tools and techniques necessary to the rehearsal and performance process. The student will display knowledge and ability to use techniques through class exercises, text analysis, and extended scene work.
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 140   TYPING SPEED DEVELOPMENT TO 40 NWPM  1 HR. (OC)**
Prerequisite: TYPE 121 with a grade of "C" or better or department approval. This course will provide students with help in analyzing their typing weaknesses to develop proper techniques and increase speed to 40 NWPM.
Lecture Hours: 5 Laboratory Hours: 1
Welding Technology

WELD 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

WELD 112 WELDING THEORY - SMAW 1 HR. (OC)
Prerequisite: Concurrent enrollment in WELD 121 or department approval. This course is designed to acquaint the student with materials and equipment used in oxyacetylene and stick welding, heat effects and how to counteract them, safety hazards and their avoidance, the theory of oxyacetylene and stick welding, and techniques practiced in corresponding laboratory courses WELD 121, 122, and 123.
Lecture Hours: 1 Laboratory Hours: 0

WELD 113 WELDING THEORY - GMAW 1 HR. (OC)
Prerequisite: Concurrent enrollment in WELD 131 or department approval. This course emphasizes techniques and theory of welding using the Gas Metal Arc (MIG) and Tungsten Inert Gas (TIG) Welding processes, as practiced in WELD 131 and WELD 141. Special techniques such as flux core and granular flux shielded submerged arc welding are also covered.
Lecture Hours: 1 Laboratory Hours: 0

WELD 119 WELDING PROCESSES 3 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, metalizing, arc air gouging, automated welding and cutting, robot welding, and weldment design.
Lecture Hours: 2 Laboratory Hours: 3

WELD 120 WELDING 2 HRS. (OC)
This course is designed to acquaint the student with common welding techniques and equipment used currently in trades and industry. Consideration is given to welding with arc and oxyacetylene in the various positions, hard surfacing, brazing, cutting, electrode selection, and metal identification. The student is expected to develop basic skills in general welding.
Lecture Hours: 1 Laboratory Hours: 3

WELD 121 STICK WELDING I 1 HR. (OC)
Prerequisite: WELD 110 with a grade of “C” or better. This course is designed to acquaint the student with arc welding, including the theory and practice of arc welding, and the equipment used. Equipment selection, filler metal selection, metallurgy, and welding currents are covered. Various techniques are practiced in stick welding using the SMAW process, with emphasis on the flat position.
Lecture Hours: Laboratory Hours: 3

WELD 122 STICK WELDING II 1 HR. (OC)
Prerequisite: Credit or concurrent enrollment in WELD 121 or department approval. This course is a continuation of WELD 121. The student will develop proficiency in the safe operation of manual shielded metal arc welding processes in the flat position to meet commercial quality standards.
Lecture Hours: Laboratory Hours: 3

WELD 131 GAS METAL ARC WELDING (MIG) I 1 HR. (OC)
Prerequisite: Concurrent enrollment in WELD 113 or department approval. This course is designed to broaden the knowledge and skill of the experienced production welder by developing proficiency in the safe operation of the semi-automatic arc welding processes. Extensive practice in continuous wire gas shielded arc welding, arc cutting and surfacing to meet commercial quality standards will be included in the course.
Lecture Hours: Laboratory Hours: 3

WELD 133 WELDING FOR MAINTENANCE MECHANICS 3 HRS. (OC)
This course introduces the maintenance mechanic student to commonly used welding processes. The student will learn the theory and application of these processes. The student will become proficient in flat position welding using the SMAW and GMAW processes. Students will also be introduced to pipe welding. Students will also learn periodic and preventative maintenance measures on the equipment.
Lecture Hours: Laboratory Hours: 3

WELD 141 GAS TUNGSTEN ARC WELDING 1 HR. (OC)
Prerequisite: WELD 121 with a grade of “C” or better or department approval. This course is designed to advance the knowledge and skill of the experienced production welder by developing proficiency in the safe operation of the semi-automatic arc welding processes. A review of wire gas shielded arc welding, flux cored gas shielded and unshielded welding, and arc cutting and surfacing to meet commercial quality standards for welding or structural grade steels will be included in the course.
Lecture Hours: Laboratory Hours: 3 or equivalent

WELD 145 TYPING SPEED DEVELOPMENT TO 90 NWPM 1 HR. (OC)
Prerequisite: TYPE 144 with a grade of “C” or better. This course is designed to develop speed and accuracy in typing and will prepare the student for the next level typing course. This course will require use of the typewriter as well as the computer.
Lecture Hours: 1 Laboratory Hours: 0

WELD 150 WELD CERTIFICATION PREPARATION AND TESTING 1 HR. (OC)
Prerequisite: Department approval. This course introduces students to specific weld certification requirements and the practice necessary to complete the weld test. This course is repeatable up to a maximum of three times for credit.
Lecture Hours: Laboratory Hours: 3 or equivalent

WELD 163 WELD FABRICATION WITH THE GMAW PROCESS 2 HRS. (OC)
Prerequisite: WELD 111, WELD 113, WELD 121 and WELD 131 with grades of “C” or better or department approval. This course is designed to instruct the student in the theory and practice of maintenance welding. Subjects discussed include equipment selection, filler metal selection, metallurgy, and preventative maintenance techniques to increase mean time between failures, and failure analysis. Laboratory practice will include instruction in stick, oxyacetylene, metal inert gas welding, tungsten inert gas welding, and low temperature joining.
Lecture Hours: Laboratory Hours: 3

WELD 210 WELDING EQUIPMENT MAINTENANCE AND OPERATION 3 HRS. (OC)
Prerequisite: WELD 112, 113, 121, and 131 with a grade of “C” or better. This course is designed to instruct the student in the theory, construction, operation, and repair of a wide variety of commercially available welding equipment. Troubleshooting and preventative maintenance will be stressed.
Lecture Hours: Laboratory Hours: 4

WELD 223 STICK WELDING III 1 HR. (OC)
Prerequisite: WELD 122 with a grade of “C” or better. As a continuation of WELD 122, instruction is centered using the SMAW process to weld in the flat position. The student will gain proficiency using a number of filler materials in a number of joints. The successful student will demonstrate commercial quality welds upon course completion.
Lecture Hours: Laboratory Hours: 3
## Course Descriptions

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<tr>
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<tr>
<td>CRAFT C13</td>
<td>DRAWING AND PAINTING I</td>
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<td>CRAFT C41</td>
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<td>REC C17</td>
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<td>REC C26</td>
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</tr>
<tr>
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<td>BALLET PRACTICUM</td>
<td>0 HRS.</td>
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## Work Skills

- **WRKSK 092 JOB PREPAREDNESS I**
  Prerequisite: Reading level of 4.0-8.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course assists students in developing and/or updating job readiness skills.
  Lecture Hours: 2; Laboratory Hours: 0

- **WRKSK 093 JOB PREPAREDNESS II**
  Prerequisite: Reading level of 9.0-12.9 on a standardized reading test accepted by the Illinois Community College Board or the College. This course assists students in developing and/or updating job readiness skills.
  Lecture Hours: 2; Laboratory Hours: 0

## Non Credit Classes

- **CRAFT C13 DRAWING AND PAINTING I**
  Eight two and one-half hour sessions.
  Lecture Hours: 1; Laboratory Hours: 0

- **CRAFT C15 CERAMICS**
  Eight two-hour sessions.
  Lecture Hours: 1; Laboratory Hours: 0

- **CRAFT C16 OIL PAINTING**
  Eight two-hour sessions.
  Lecture Hours: 1; Laboratory Hours: 0

- **CRAFT C41 CERAMICS PRACTICUM**
  Prerequisite: ART 204 and 205. Eight two and one-half hour sessions.
  Lecture Hours: 0; Laboratory Hours: 1

- **CRAFT C42 SCULPTURE PRACTICUM**
  Prerequisite: ART 112 and 206. Eight two and one-half hour sessions.
  Lecture Hours: 0; Laboratory Hours: 1

- **CRAFT C43 PAINTING PRACTICUM**
  Prerequisite: ART 200 and 201. Three laboratory hours per week for eight weeks.
  Lecture Hours: 0; Laboratory Hours: 1.5

- **CRAFT C44 DRAWING PRACTICUM**
  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**
  Participation is in various activities designed to promote physical fitness. Activities include volleyball, badminton, and other conditioning activities and games.
  Lecture Hours: 1; Laboratory Hours: 0 or equivalent

- **REC C06 TENNIS**
  This course includes instruction of the rules, strategy, and scoring and etiquette of the game. Students are introduced to the fundamentals of the basic strokes and singles and doubles competition. Eight two-hour sessions or equivalent.
  Lecture Hours: 1; Laboratory Hours: 0 or equivalent

- **REC C17 MODERN DANCE PRACTICUM**
  Prerequisite: DANCE 140 and 141 both with a grade of “C” or better. This course is designed to allow advanced dance students who have completed DANCE 140 and 141 the opportunity to continue advanced training. Students may enroll in Modern Dance Practicum, REC C17, any number of times.
  Lecture Hours: 1; Laboratory Hours: 2 or equivalent

- **REC C26 AEROBIC EXERCISE**
  This physical fitness class is designed to improve the cardiovascular system as well as body muscle flexibility. Eight two-hour sessions or equivalent.
  Lecture Hours: 0; Laboratory Hours: 1

- **REC C27 ADVANCED AEROBIC FITNESS**
  Prerequisite: REC C26.
  This course is designed for students seeking a more advanced fitness program. Students begin at their own pace, then increase along with the help of the instructor to improve cardiovascular (heart and lungs) muscular strength, flexibility, coordination, body composition, and balance. Eight two-hour sessions.
  Lecture Hours: 1; Laboratory Hours: 0

- **REC C36 BALLET PRACTICUM**
  Prerequisite: DANCE 120 with a “C” or better. This course is specifically structured to meet the needs of those ballet students who have (1) completed both DANCE 110 and 120, and (2) desire to continue with ballet lessons, but are unable to either enroll in a day section of DANCE 210 or successfully audition for the Tazwood Dance Company. Sixteen two-hour sessions or equivalent.
  Lecture Hours: 2; Laboratory Hours: 0
PRAIRIE WIND ENSEMBLE

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 C77, any number of times.

TAP DANCE PRACTICUM

Prerequisite: DANCE 151 with a grade of “C” or better. This course is designed to allow advanced dance students who have completed DANCE 150 and 151 the opportunity to continue advanced training. Students may enroll in Tap Dance Practicum, REC C79, any number of times.

AEROBIC CIRCUIT FITNESS

Prerequisite: PHYED 183. This course is an annual non-credit course that allows full-time faculty, staff, retirees and their spouses who have successfully completed PHYED 180-183 to continue their health and fitness knowledge and behavior.

AEROBIC SUPER CIRCUIT FITNESS

Prerequisite: PHYED 183. This course is an annual non-credit course that allows students over 65 years of age who have successfully completed PHYED 180-183 to continue to expand their health and fitness knowledge and behavior.

AEROBIC SUPER CIRCUIT FITNESS

Prerequisite: PHYED 183. This course is an annual non-credit course that allows students between 16 and 64 years of age who have successfully completed PHYED 180-183 to continue to expand their health and fitness knowledge and behavior.

CENTRAL ILLINOIS JAZZ TRAIN

This course is available to persons with previous jazz experience. Membership is by audition only.

HEALTH AND WELLNESS FOR SENIORS

This non-credit course is designed for adults over age 60 who wish to expand their knowledge of health and wellness for seniors. Aspects of physical, psychological and social wellness are covered. Other topics include historical and cultural perspectives of wellness, as well as application of lifestyle choices which can lead to increased health and wellness.

CENTRAL ILLINOIS JAZZ TRAIN

This course is available to all individuals that play wind or percussion instruments that have successfully auditioned for the ensemble.

TAZWOOD DANCE COMPANY

This course is designed to allow advanced dance students the opportunity to continue advanced training. Membership is awarded through audition.

PHILHARMONIC CHORALE

This ensemble is open to persons with previous choral experience. Membership is based on audition.

HEART OF ILLINOIS CHORUS

This ensemble is for students with previous choral experience and interest in female barbershop style singing. Membership is through audition.

CONCERT CHOIR

Prerequisite: Two semesters of MUS 134 and two semesters of MUS 234. This course is for all students who are interested in singing, and who have successfully completed four semesters in the Concert Choir (MUS 134 and 234). Sixteen three-hour sessions and performances as may be scheduled.

CHAMBER SINGERS

Prerequisite: Department approval and two semesters each of MUS 130 and 230. This course allows voice majors to enroll in this ensemble which is open to a limited number of auditioned singers. Three laboratory hours per week for eight weeks.

JAZZ BAND

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.
Program Mission, Goals, and Student Learning Outcomes
ACCOUNTING AAS DEGREE
Department: Business, Hospitality, and Information Systems

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

GOAL 1
Graduates of the program will demonstrate understanding of the creation and use of accounting information as well as the basic principles of business law, management, and economics.

Student Learning Outcomes
1. Students will demonstrate an understanding of the accounting equation.
2. Students will be able to interpret financial statements.
3. Students will demonstrate an understanding of fundamental cost accounting concepts.
4. Students will be able to describe the laws and regulations needed to manage business operations and accounting transactions.

GOAL 2
Graduates of the program will demonstrate the appropriate skills for an entry-level paraprofessional accountant.

Student Learning Outcomes
1. Students will demonstrate an understanding of the accounting equation.
2. Students will be able to interpret financial statements.
3. Students will demonstrate a basic understanding of the laws and regulations needed to manage business operations and accounting transactions.

GOAL 3
Graduates of the program will demonstrate awareness of the need for ethical decision-making in the creation and dissemination of financial information.

Student Learning Outcomes
1. Students will demonstrate awareness of the need for ethical behavior when developing estimates and making accounting judgments.
2. Students will demonstrate an understanding of the fraud triangle and the need for internal controls over financial reporting.

ACCOUNTING CLERK CERTIFICATE
Department: Business, Hospitality, and Information Systems

The mission of the Accounting Clerk Certificate program is to prepare students with little or no office experience for employment in accounting or an accounting related field as an accounting clerk, accounts receivable clerk, accounts payable clerk, payroll clerk, or similar positions in other areas of accounting within the manufacturing, service, financial, not-for-profit, or governmental sectors of the economy by educating them in basic accounting, keyboarding, and data entry.

GOAL 1
Graduates of the program will demonstrate basic understanding of the creation and use of accounting information as well as the principles of business.

1. Students will demonstrate an understanding of the accounting equation.
2. Students will be able to interpret basic financial statements.
3. Students will demonstrate a basic understanding of the laws and regulations needed to manage business operations and accounting transactions.

GOAL 2
Graduates of the program will demonstrate the appropriate skills for an accounting clerk.

1. Students will be able to analyze economic activity, record business transactions, and construct basic financial statements.
2. Students will demonstrate proficiency in the use of accounting software and electronic spreadsheets.
3. Students will be able to prepare payroll in conformity with federal and state laws and regulations.
4. Students will demonstrate proficiency in keyboarding and data entry.

GOAL 3
Graduates of the program will demonstrate awareness of the need for ethical decision-making in the creation and dissemination of financial information.

1. Students will demonstrate basic awareness of the need for ethical behavior in developing estimates and making accounting judgments.
2. Students will demonstrate an understanding of the fraud triangle and the need for internal controls over financial reporting.
ACCOUNTING TECHNICIAN CERTIFICATE
Department: Business, Hospitality, and Information Systems

The mission of the Accounting Technician Certificate program is to prepare office-experienced students for employment in accounting or an accounting related field as a bookkeeper, payroll clerk, or similar positions in other areas of accounting within the manufacturing, service, not-for-profit, or governmental sectors of the economy by educating them in basic accounting methods and principles, and exposing students to computers and programming necessary in an automated accounting environment.

GOAL 1
Graduates of the program will demonstrate basic understanding of the creation and use of accounting information as well as the principles of business.

1. Students will demonstrate an understanding of the accounting equation.
2. Students will be able to interpret basic financial statements.
3. Students will demonstrate a basic understanding of fundamental cost accounting concepts.
4. Students will demonstrate a basic understanding of the laws and regulations needed to manage business operations and accounting transactions.

GOAL 2
Graduates of the program will demonstrate the appropriate skills for a bookkeeper or accounting clerk.

1. Students will be able to analyze economic activity, record business transactions, and construct basic financial statements.
2. Students will be able to manipulate basic accounting information for use in managerial decision-making.
3. Students will demonstrate proficiency in the use of accounting software and electronic spreadsheets.
4. Students will be able to prepare payroll in conformity with federal and state laws and regulations.
5. Students will be able to prepare individual federal income tax returns.

GOAL 3
Graduates of the program will demonstrate awareness of the need for ethical decision-making in the creation and dissemination of financial information.

1. Students will demonstrate basic awareness of the need for ethical behavior in developing estimates and making accounting judgments.
2. Students will demonstrate an understanding of the fraud triangle and the need for internal controls over financial reporting.

AGRICULTURAL BUSINESS MANAGEMENT
AAS DEGREE
Department: Agricultural and Industrial Technologies

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

GOAL 1
Graduates will demonstrate an understanding of the technical knowledge required of an employee in a wide variety of agricultural occupations.

1. Students will demonstrate technical knowledge principles of genetics, nutrition, physiology, reproduction, growth and lactation of farm animals.
2. Technical knowledge of biological concepts of soil and plant growth.

GOAL 2
Graduates will demonstrate proficiency in application of best management practices in production agriculture.

1. Students will demonstrate proficiency in preparing budgets, accounting records and financial records for an agricultural business.
2. Students will demonstrate application of marketing and the role of agriculture in the United States economy.

GOAL 3
Graduates will demonstrate professional qualities and professional ethics.

1. Students will demonstrate collegiality with customers, employers and fellow employees.
2. Students will demonstrate honesty, initiative and a positive attitude at work.
AGRICULTURAL BUSINESS MANAGEMENT – AGRICULTURAL SALES AND SERVICE AAS DEGREE

Department: Agricultural and Industrial Technologies

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

GOAL 1
Graduates will demonstrate an understanding of the technical knowledge and proficiency required of an entry-level employee in occupations within the agricultural sales and service industry.

1. Students will demonstrate technical knowledge of products within the agricultural sales and service industry.
2. Students will demonstrate technical knowledge of service within the agricultural sales and service industry.

GOAL 2
Graduates will demonstrate specific knowledge and proficiency in agricultural sales and service practices.

1. Students will demonstrate a problem solving approach to selling agricultural goods or services.
2. Students will demonstrate knowledge of product and service.

GOAL 3
Graduates will demonstrate professional qualities and professional ethics.

1. Students will understand and adjust sales presentation based on personality traits and communication skills.
2. Students will demonstrate collegiality with customers, employers and fellow employees.

AGRICULTURAL BUSINESS MANAGEMENT – AGRONOMY AAS DEGREE

Department: Agricultural and Industrial Technologies

The mission of the Agricultural Business Management-Agronomy program is to prepare students for employment in the crop systems industry by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of agronomy.

GOAL 1
Graduates will demonstrate an understanding of the technical knowledge required of an entry-level employee in the agronomy industry.

1. Students will demonstrate technical knowledge of soil.
2. Students will demonstrate technical knowledge of plant growth.

GOAL 2
Graduates will demonstrate proficiency in application of best management practices in agronomy.

1. Students will demonstrate proficiency in planning a sustainable soil fertility program.
2. Students will demonstrate an understanding of variable rate technology to insure profitable production of crops.

GOAL 3
Graduates will demonstrate professional qualities and professional ethics.

1. Students will demonstrate collegiality with customers, employers and fellow employees.
2. Students will demonstrate honesty, initiative and a positive attitude at work.
AGRICULTURAL BUSINESS MANAGEMENT-ANIMAL SCIENCES AAS DEGREE
Department: Agricultural and Industrial Technologies

The mission of the Agricultural Business Management-Animal Sciences program is to prepare students for employment in the field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the animal science industry.

GOAL 1
Graduates of the Agricultural Business Management-Animal Sciences program will demonstrate an understanding of the technical knowledge and proficiency required of an entry-level employee in animal science industry.

1. Students will demonstrate technical knowledge of principles of genetics, nutrition, physiology, reproduction, growth, lactation and marketing of farm animals.

2. Students will demonstrate a technical knowledge of the interaction of crop production (inputs), environment, behavior, health and sanitation (manure handling) on production of farm animals.

GOAL 2
Graduates of the Agricultural Business Management-Animal Sciences program will demonstrate proficiency best management practices in animal production.

1. Students will demonstrate their proficiency in successfully artificially inseminating swine.

2. Students will demonstrate their proficiency in the application and use of breeding Expected Progeny Differences in selection of a herd bull.

GOAL 3
Graduates of the Agricultural Business Management-Animal Sciences program will demonstrate professional qualities and professional ethics.

1. Students will demonstrate collegiality with customers, employers and fellow employees.

2. Students will demonstrate honesty, initiative and a positive attitude at work.

AGRICULTURAL BUSINESS MANAGEMENT-PRECISION AGRICULTURE CERTIFICATE
Department: Agricultural and Industrial Technologies

The mission of the Precision Agriculture certificate program is to prepare students for employment in the field of precision agriculture.

GOAL 1
Certificate earners will demonstrate technical knowledge required of an employee within agricultural industries that require specialization in the use of global positioning systems and geographical informational systems.

1. Students will demonstrate technical knowledge of global positioning systems and geographical informational systems.

2. Students will demonstrate technical knowledge of soil.

GOAL 2
Certificate earners will demonstrate proficiency in use of computer technology used in global positioning systems and geographical informational systems.

1. Students will demonstrate comprehension of converting, formatting, analyzing and interpreting data to construct useful maps.

2. Students will demonstrate the ability to use computer technology to make more informed management decisions on input use.

GOAL 3
Certificate earners will understand how advanced technologies affect the environment and sustainability practices.

1. Students will demonstrate the ability to develop a sustainable fertility program.

2. Students will demonstrate understanding of laws and regulations that govern pesticide and fertilizer application.
AGRICULTURAL PRODUCTION CERTIFICATE
Department: Agricultural and Industrial Technologies
The mission of the Agricultural Production program is to prepare students for employment in agricultural production by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the agricultural production industry.

GOAL 1
Certificate earners will demonstrate an understanding of the technical knowledge of an employee in agricultural production.

1. Students will demonstrate technical knowledge of genetics, nutrition, physiology, reproduction and lactation of farm animals.
2. Students will demonstrate technical knowledge of biological concepts of soil and plant growth.

GOAL 2
Certificate earners will demonstrate proficiency in best management practices in agricultural production.

1. Students will demonstrate proficiency of industry accepted management practices in the production of farm animals.
2. Students will demonstrate proficiency in planning as sustainable soil fertility program.

GOAL 3
Certificate earners will have a general understanding and appreciation for the attitudes and behaviors of an entry-level position in agricultural production.

1. Students will demonstrate collegiality with fellow students during group projects.
2. Students will express appreciation to hosts following laboratory visits to businesses or farms.

AUTOMOTIVE TECHNOLOGY AAS DEGREE
Department: Agricultural and Industrial Technologies
The mission of the Automotive Technology Associate's degree program is to prepare students for employment as an entry-level technicians to be employed by automobile dealers, independent repair shops, mass merchandisers, auto manufacturers, part and component distributors, and other service oriented businesses. In this NATEF certified program, students are trained to perform a full range of automotive technical functions including diagnosis of mechanical and electrical problems, repair, and maintenance.

GOAL 1
Graduates of the program will demonstrate the necessary skills of an entry level automotive technician.

1. Students will demonstrate in the automotive lab the skills required to work within the automotive electrical systems.
2. Students will demonstrate in the automotive lab the skills required to work within the automotive transmissions and transaxles systems.
3. Students will demonstrate in the automotive lab the skills required to work within the automotive manual drive train and axles systems.
4. Students will demonstrate in the automotive lab the skills required to work within the automotive suspension and steering systems.
5. Students will demonstrate in the automotive lab the skills required to work within the automotive brake systems.
6. Students will demonstrate in the automotive lab the skills required to work within the automotive heating and air conditioning systems.
7. Students will demonstrate in the automotive lab the skills required to work within the automotive engine repair.
8. Students will demonstrate in the automotive lab the skills required to work within the automotive engine performance.

GOAL 2
Graduates will demonstrate professional behaviors in the workplace.

1. Students will attend regularly throughout internship.
2. Students will follow ethical practices while doing repair orders.

GOAL 3
Students will demonstrate knowledge of the physics principles used in automotive technology.

1. Students will demonstrate knowledge of Ohm's law.
2. Students will demonstrate knowledge of Pascal's law.
BANKING AND FINANCE CERTIFICATE
Department: Business, Hospitality, and Information Systems

The mission of the Banking and Finance Certificate program is to prepare or further educate individuals preparing for employment or employed in banking or financial services, by educating them in the knowledge, skills, and behaviors required to seek or continue employment in banking, financial services, and other financial management-related positions.

GOAL 1
Graduates obtaining a banking & finance certificate will be able to demonstrate competency in math skills required for the financial services industry.

GOAL 2
Graduates obtaining a banking & finance certificate will be able to demonstrate competency and understanding of banking and financial systems.

GOAL 3
Graduates obtaining a banking & finance certificate will be able to demonstrate ability to function in the financial services industry.

CATERPILLAR DEALER SERVICE TECHNOLOGY AAS DEGREE
Department: Agricultural and Industrial Technologies

The mission of the Caterpillar Dealer Service Technology Associate's Degree program is to prepare students for employment as a Service Technician at a sponsoring partner Caterpillar dealership. During this full time two-year program the student will develop the necessary knowledge, skills, and behaviors to be a productive member of the dealership's service team.

GOAL 1
Students in the Caterpillar Dealer Service Technology program will demonstrate knowledge of Caterpillar Inc and the operation of a Caterpillar dealership.
1. Students will develop an understanding and appreciation for Caterpillar Inc. from a historical perspective.
2. Students will be introduced to various business procedures found in a typical Caterpillar dealership.
3. Students will become proficient in the use of the electronic media used in Caterpillar dealers.

GOAL 2
Students will demonstrate knowledge of the construction, operation, and repair of the systems utilized in the Caterpillar earthmoving equipment product line. This knowledge to include, but not limited to engines, power trains, and hydraulics.
1. Students will develop an understanding of the basic construction of engines, power trains, and hydraulic system.
2. Students will develop an understanding and knowledge of the correct system operation of the engines, power trains, and hydraulic systems.
3. Students will develop an understanding and knowledge of the diagnostic processes required to successfully repair engine, power train, hydraulic systems.

GOAL 3
Students will demonstrate the ability to successfully assimilate into the Caterpillar dealer network exhibiting skills of cooperation and teamwork.
1. Students will successfully complete the required internships at the sponsoring dealer.
2. Students will follow all applicable dealer standards as they relate to the completion of the internship.
CISCO CERTIFIED NETWORK ASSOCIATE (CCNA) CERTIFICATE

Department: Business, Hospitality, and Information Systems

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

GOAL 1
Graduates of the program will demonstrate the ability to design and install networks.
1. Students will be able to design and install basic networks.
2. Students will be able to design and install advanced networks.

GOAL 2
Graduates of the program will configure associate to enterprise-level settings and features on Cisco routers and switches.
1. Students will be able to configure associate-level routed and switched networks.
2. Students will be able to configure enterprise-level routed and switched networks.

GOAL 3
Graduates of the program will demonstrate the ability to maintain and troubleshoot router and switch configurations using associate to enterprise-level methodologies.
1. Students will be able to monitor and maintain networks.
2. Students will be able to troubleshoot the network using proper methodologies and techniques.

GOAL 4
Graduates of the program will demonstrate ethical behaviors in self-management, teamwork and building relationships on entry into the workforce.
1. Students will work in teams to complete labs and practical simulations.
2. Students will work as individuals on self-paced simulations.

CISCO CERTIFIED NETWORK PROFESSIONAL (CCNP) CERTIFICATE

Department: Business, Hospitality, and Information Systems

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

GOAL 1
Graduates of the program will demonstrate the ability to design and install networks.
1. Students will be able to design and install basic networks.
2. Students will be able to design and install advanced networks.

GOAL 2
Graduates of the program will demonstrate configurations using advanced-level settings and features on enterprise-level routers and switches.
1. Students will be able to configure associate-level routed and switched networks.
2. Students will be able to configure enterprise-level routed and switched networks.

GOAL 3
Graduates of the program will demonstrate the ability to troubleshoot advanced-level router and switch configurations.
1. Students will be able to monitor and maintain networks.
2. Students will be able to troubleshoot the network using proper methodologies and techniques.

GOAL 4
Graduates of the program will demonstrate the ability to maintain network stability and efficiency using advanced-level features.
1. Students will work in teams to complete labs and practical simulations.
2. Students will work as individuals on self-paced simulations.
CISCO NETWORKING SPECIALIST
AAS DEGREE
Department: Business, Hospitality, and Information Systems
The mission of the Cisco Networking Specialist degree is to prepare students for employment in the networking field through education and training on real-world networking equipment by specializing in areas of cabling, network design, core routing and switching technologies, and security concepts, as well as telephony and wireless technologies. The program is aligned to several highly-sought after Cisco certifications including the CCNA and CCNP.

GOAL 1
Graduates of the program will be able to design and install basic to advance-level networks.

1. Students will be able to design and install basic networks.
2. Students will be able to design and install advanced networks.

GOAL 2
Graduates of the program will configure associate to enterprise-level settings and features on Cisco routers and switches.

1. Students will be able to configure associate-level routed and switched networks.
2. Students will be able to configure enterprise-level routed and switched networks.

GOAL 3
Graduates of the program will demonstrate the ability to maintain and troubleshoot router and switch configurations using associate to enterprise-level methodologies.

1. Students will be able to monitor and maintain networks.
2. Students will be able to troubleshoot the network using proper methodologies and techniques.

GOAL 4
Graduates of the program will demonstrate ethical behaviors in self-management, teamwork and building relationships on entry into the workforce.

1. Students will work in teams to complete labs and practical simulations.
2. Students will work as individuals on self-paced simulations.

CLERK TYPIST CERTIFICATE
Department: Business, Hospitality, and Information Systems
The mission of the Clerk Typist Certificate is to prepare students for employment in entry-level office positions such as receptionist and file clerk by helping them develop the necessary knowledge, speed, and accuracy.

GOAL 1
Graduates of the program will demonstrate appropriate keyboarding skills for an entry-level office position.

1. Students will demonstrate accurate touch-typing skill and speed.
2. Students will demonstrate accurate 10key skill and speed.

GOAL 2
Graduates of the program will demonstrate or describe appropriate office skills needed for an entry-level office position.

1. Students will be able to construct basic mailable documents using current word processing software.
2. Students will be able to maintain and retrieve accurate office records.
3. Students will be able to accurately manage office communications.

GOAL 3
Graduates of the program will demonstrate or describe appropriate office attitudes and behaviors needed for an entry-level office position.

1. Students will be able to demonstrate or describe appropriate office attitudes in the modern office setting.
2. Students will be able to demonstrate or describe appropriate office behaviors in the modern office setting.
CNC MACHINE OPERATOR CERTIFICATE
Department: Agricultural and Industrial Technologies
The mission of the CNC Machine Operator Certificate program is to prepare students with the skills and knowledge required for entry-level employment as a CNC machine operator in a manufacturing facility. Individuals will learn part design, machine setup and operation, and production.

GOAL 1
Graduates of the program will demonstrate the skills to properly access the correct program, identify and troubleshoot work holding devices, tooling, and piece parts, load piece parts and run the automated cycle, and inspect finished parts for accuracy at a level consistent with local employer expectations.
1. Use rulers, gauges, and precision measuring tools to properly identify sizes and locations of part features.
2. Analyze industrial prints including dimensions, tolerances, allowances, geometric tolerances, and notes.

GOAL 2
Graduates of the program will have a general understand and appreciation for the procedures within manufacturing for safety, quality, logistics, and other things and be prepared to positive contribute to the production team.
1. Follow all prescribed safety rules including the wearing of personal protection devices, properly using lifting tools to move equipment & supplies, following lockout/ tagout procedures, and site specific requirements.
2. Communicate in a formal and informal manner to a level that is expected of supervisors or mid-level managers.

GOAL 3
Graduate will be able to interpret mechanical blueprints, use precision measuring tools, communicate how the CNC processes produces the required features within specified tolerances, and verify that features are indeed within tolerance.
1. Troubleshoot machining problems including tooling, finish, dimensional errors, and work holding.
2. Setup and machine sub-assembly, assembly, and fixture parts within tolerance using common machine tool systems.
3. Program machine tools using manual and computer assisted methods.
4. Safely operate CNC machine tools.

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

GOAL 1
Graduates will demonstrate an understanding of the technical knowledge to perform as an entry level light commercial refrigeration technician.
1. Students will demonstrate technical knowledge of light commercial refrigeration theory.
2. Students will identify and describe the function of system components used in low-temperature and medium-temperature refrigeration systems.
3. Students will identify and describe the function of system components used in ice machines, walk-in, reach-in, and market refrigeration systems.
4. Students will identify and describe the function of test instruments and tools required to diagnose ice machines and light commercial refrigeration systems.

GOAL 2
Graduates will demonstrate the skills appropriate for an entry level light commercial refrigeration technician.
1. Students will demonstrate and describe troubleshooting techniques of ice machines and light commercial refrigeration equipment according to manufacturer’s instructions.
2. Students will demonstrate and describe the procedures in replacing faulty components in ice machines and light commercial refrigeration systems.
3. Students will demonstrate and describe the skills to troubleshoot ice machine and light commercial refrigeration components by using the appropriate test instruments.
4. Students will demonstrate and describe installation techniques of ice machines and light commercial refrigeration equipment according to manufacturer's instructions.

GOAL 3
Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry level light commercial refrigeration technician.
1. Students will demonstrate and describe proper refrigerant handling techniques in accordance to Section 608 of the Federal Clean Air Act.
2. Students will demonstrate and describe ladder and fall prevention safety procedures in accordance to OSHA 29 CFR 1910.
3. Students will demonstrate and describe lockout/tagout safety procedures for control of hazardous energy sources in accordance to OSHA 29 CFR 1910.
4. Students will demonstrate and describe safety procedures for handling pressurized cylinders in accordance to OSHA 29 CFR 1910.
5. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC/R industry and business operation.
COMPUTED TOMOGRAPHY CERTIFICATE
Department: Health Careers
The mission of the Computed Tomography Certificate Program is to prepare knowledgeable and skilled entry-level CT technologists to meet the needs of the medical community.

GOAL 1
Students will be clinically competent.
1. Students will identify anatomic structures in all imaging planes.
2. Students will apply routine scanning protocols.
3. Students will successfully perform CT exams in the clinical setting.

GOAL 2
Students will develop critical thinking skills.
1. Students will demonstrate sound decision making.
2. Students will appropriately evaluate CT images.

GOAL 3
Students will model professionalism.
1. Students will demonstrate professional qualities.
2. Students will understand professional ethics.

CULINARY ARTS MANAGEMENT AAS DEGREE
Department: Business, Hospitality, and Information Systems
The Mission of the Culinary Arts Management AAS Degree program is to exceed student's expectations by providing knowledge and educational tools for employment in the restaurant part of the hospitality industry. By combining industry theory, coupled with real world, hands on lessons and experiences, students will possess the skills necessary to be successful in their chosen field within the hospitality industry.

GOAL 1
Graduates will have appropriate culinary math knowledge in order perform calculations necessary in the industry.
1. Students will be able to demonstrate proficiency in recipe adjustment.
2. Students will be able to demonstrate proficiency in recipe costing.

GOAL 2
Graduates will demonstrate application of knowledge of culinary arts, baking and pastry, and front of the house principles.
1. Students will design and execute an appetizer and entree using culinary arts principles.
2. Students will complete a torte, plated dessert, and petit fours using baking and pastry principles.
3. Students will demonstrate knowledge of Front of the House operations and serving techniques.

GOAL 3
Graduates will model professional behaviors appropriate for an entry level culinarian.
1. Students will demonstrate cooperative learning and engagement when working with their peers in group projects.
2. Students will demonstrate professional demeanor by following the Culinary Arts Policies and Procedures in regards to uniforms and grooming guidelines.
CULINARY ARTS MANAGEMENT CERTIFICATE
Department: Business, Hospitality, and Information Systems
The Mission of the Culinary Arts Certificate program is to prepare students for entry level employment in the field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.

GOAL 1
Graduates will have basic culinary math knowledge in order perform calculations necessary in the industry.

1. Students will be able to demonstrate proficiency in recipe adjustment.
2. Students will be able to demonstrate proficiency in recipe costing.

GOAL 2
Graduates will demonstrate application of knowledge of basic culinary and bakeshop principles.

1. Students will apply basic culinary skills and techniques.
2. Students will apply basic baking skills and techniques.

GOAL 3
Graduates will model professional behaviors appropriate for an entry level culinarian.

1. Students will demonstrate cooperative learning and engagement when working with their peers in group projects.
2. Students will demonstrate professional demeanor by following the Culinary Arts Policies and Procedures in regards to uniforms and grooming guidelines.

CUSTOMER SERVICE PROFESSIONAL CERTIFICATE
Department: Business, Hospitality, and Information Systems
The mission of the Customer Service Professional Certificate is to prepare students for employment as an entry-level customer service professional by providing them with the necessary technological skills, human relations skills, and management skills.

GOAL 1
Graduates of the program will demonstrate technological skills needed for an entry-level customer service position.

1. Students will be able to construct basic mailable documents using current word processing software.
2. Students will be able to construct and interpret accurate workbooks using current spreadsheet software.

GOAL 2
Graduates of the program will demonstrate or describe appropriate human relations attitudes/behaviors and skills needed for an entry-level customer service position.

1. Students will be able to demonstrate or describe appropriate customer service procedures.
2. Students will be able to demonstrate or describe appropriate customer service attitudes.
3. Students will be able to demonstrate or describe appropriate customer service behaviors.

GOAL 3
Graduates of the program will demonstrate or describe appropriate management skills needed for an entry-level customer service position.

1. Students will be able to describe the economic and legal environment in which businesses operate.
2. Students will be able to maintain and retrieve accurate customer records.
**DECONSTRUCTION CERTIFICATE**

Department: Arts and Communication

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 courses combined with an internship serves to educate them in knowledge, skills, and behaviors to entry level positions in construction, deconstruction, or material salvage crews.

**GOAL 1**
Graduates of the program will demonstrate on-the-job skills.

1. Students will identify appropriate tools to be used for the deconstruction task.
2. Students will demonstrate knowledge of worker safety on a deconstruction project.
3. Students will demonstrate knowledge of safety on site during a deconstruction project.

**GOAL 2**
Graduates will be able to coordinate a deconstruction project.

1. Students will write a site assessment plan that demonstrates considerations for safety, codes and permits, scheduling sequence, and logistics.
2. Students will write an environmental health report that defines hazardous material and remediation.

**GOAL 3**
Graduates will evaluate the value of the deconstruction advantage.

1. Select and support the market for recovered materials.
2. Appraise the reuse value.
3. Differentiate the economic, social and environmental value.

**DENTAL HYGIENE AAS DEGREE**

Department: Health Careers

The mission of the Illinois Central College Dental Hygiene Program is to graduate and facilitate the development of professional, ethical and competent dental hygienists who exhibit the following characteristics; an awareness of the present and future roles and responsibilities within the dental hygiene profession and the community he/she serves; the knowledge and clinical skills necessary to provide the current standard of care within the dental hygiene profession for clients he/she treats; a commitment to lifelong learning and professional development.

**GOAL 1**
Graduates will exhibit clinical competency as an entry-level dental hygienist.

1. Students will use critical thinking skills and comprehensive problem-solving to identify oral health care needs. (C.3)
2. Students will provide community oral health services in more than one setting. (CM.1)

**GOAL 2**

1. Graduates will exhibit a foundation for professional growth, scientific advancement, and life-long learning.
2. Students will continuously perform self-assessment for lifelong learning and professional growth. (C.4)
3. Students will access professional and social networks to pursue professional goals. (PGD.2)

**GOAL 3**
Graduates will exhibit appropriate critical thinking skills for an entry-level dental hygienist.

1. Students will recognize predisposing and etiologic risk factors that require intervention to prevent disease. (PC.2)
2. Students will recognize the relationships among systemic disease, medications, and oral health that impact overall patient care and treatment outcomes. (PC.3)
3. Student will identify patients at risk for a medical emergency, and manage the patient care in a manner that prevents an emergency. (PC.4)

**GOAL 4**
Graduates will model professional behaviors appropriate for an entry-level dental hygienist.

1. Students will apply quality assurance mechanisms to ensure continuous commitment to accepted standards of care. (C.6)
2. Students will communicate effectively with diverse individuals and groups, serving all persons without discrimination by acknowledging and appreciating diversity. (C.7)
3. Students will obtain the patient's informed consent. (PC.9)
MISSION, GOALS, AND OUTCOMES

ILLINOIS CENTRAL COLLEGE COLLEGE CATALOG 2016-2015

DIESEL POWERED EQUIPMENT TECHNOLOGY AAS DEGREE
Department: Agricultural and Industrial Technologies

The mission of the Diesel Powered Equipment Technology Program is to provide the training necessary to maintain, service and diagnose system failures as applied to agricultural equipment, construction equipment and heavy 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.

GOAL 1
Graduates of the Diesel Powered Equipment Technology Program will demonstrate an understanding of the technical knowledge and proficiency required of an entry-level diesel powered equipment service professional.

Student Learning Outcomes
1. Students will demonstrate technical knowledge and proficiency as judged by their internship employers.
2. Students will be gainfully employed by a diesel powered equipment employer at graduation.

GOAL 2
Graduates of the program will demonstrate specific knowledge and proficiency in the technical areas of diesel engines, electrical systems, electronic systems, tractor guidance and telematics, diesel fuel systems, power trains, air conditioning, hydraulics, heavy truck suspension, chassis and brakes, and agricultural machinery.

1. Students will demonstrate technical competency thru their performance during the annual DPET Diagnostic Skills Assessment.
2. Students will demonstrate technical competency thru their performance in each laboratory practicums held at the conclusion of each DPET course.

GOAL 3
Graduates of the program will develop leadership, cooperative, professionalism and work ethic skills necessary for greater success and upward mobility throughout the graduate’s career.

1. Students will demonstrate “soft” skills throughout their internship experiences.
2. Students participate in DPET student club activities.
3. Students uphold the standards outlined in the DPET “Guide to Student Success”.

DIGITAL IMAGING CERTIFICATE
Department: Arts and Communication

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

GOAL 1
Graduates of the program will demonstrate knowledge of digital image capture.

1. Demonstrate an understanding of composition in digital photography.
2. Demonstrate effects of adjusting common features of digital cameras including exposure controls, resolution settings, and focal length controls.

GOAL 2
Graduates of the program will have basic skills with image manipulation.

1. Demonstrate the proper use selection tools, layers and channels.
2. Demonstrate the proper Adobe Photoshop compositing techniques including layer masks, clipping groups, blending modes, and clipping paths.

GOAL 3
Graduates will demonstrate professional behavior.

1. Students will use professional language during class presentations.
2. Students will work independently.
DIGITAL PUBLISHING CERTIFICATE

Department: Arts and Communication

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

GOAL 1
Graduates of the program will demonstrate knowledge of digital image capture.
1. Demonstrate an understanding of composition in digital photography.
2. Demonstrate effects of adjusting common features of digital cameras including exposure controls, resolution settings, and focal length controls.

GOAL 2
Graduates of the program will produce digital format publication for distribution as ebook and web delivery.
1. Demonstrate proper CSS coding for formatting web site content.
2. List the types of interactivity possible using PDF file format.

GOAL 3
Graduates will demonstrate professional behavior.
1. Students will use professional language during class presentations.
2. Students will be able to independently work with safe behavior.

E-COMMERCE CERTIFICATE

Department: Business, Hospitality, and Information Systems

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.

Goal 1
Graduates of the program will demonstrate the knowledge and proficiency to create simple, static responsive websites with a focus on creating effective e-commerce sites

Student Learning Outcomes
2. Demonstrate the ability to create (and deploy) audience-appropriate content and multimedia to achieve the objectives of the website.
3. Describe the basic functionality, protocols, and tools of the internet.

Goal 2
Graduates of the program will employ security best practices to protect websites and customer data against malicious intrusions and exploitation.

Student Learning Outcomes
1. Demonstrate an understanding of common attack vectors.
2. Utilize secure programming techniques when creating (and maintaining) websites.

Goal 3
Graduates of the program will have an understanding of the techniques to properly utilize social media in a business environment.

Student Learning Outcomes
1. Create social media policy for business.
2. Utilize social media to effectively communicate between the business and their customers.

Goal 4
Graduates of the program will have an understanding of the principles of business operation.

Student Learning Outcomes
1. Utilize marketing principles to effectively promote an e-commerce website.
2. Discuss generally accepted accounting principles for an e-commerce business.
3. Discuss business practices applicable to an e-commerce business.
ELECTRONICS SERVICING CERTIFICATE
Department: Agricultural and Industrial Technologies
The mission of the Electronics Servicing Certificate program is to prepare students for technical positions in the expanding field of Electronics Servicing and/or for the pursuit of advanced degrees in Electronics Technology by educating them in the fundamental concepts, knowledge, and skills required of an Electronics Servicing technician.

GOAL 1
Graduates of the Electronics Servicing Certificate program will demonstrate an understanding of technical knowledge required of an entry-level Electronics Servicing Technician.
1. Explain how Ohm’s Law relates to components in series circuits.
2. Identify components in electronics circuits.

GOAL 2
Graduates of the program will demonstrate skills proficiency in the areas of D.C. & A.C. circuits, solid state electronics, troubleshooting, digital electronics, and programmable controls.
1. Demonstrate the proper use of test equipment.
2. Demonstrate correct circuit wiring methods.

GOAL 3
Graduates of the program will have a general understand and appreciation for safety within manufacturing setting.
1. Explain the necessity for safe work practices in performance of job-specific tasks.
2. Explain the attributes for working effectively in group settings.

ELECTRONICS TECHNOLOGY AAS DEGREE
Department: Agricultural and Industrial Technologies
The mission of the Electronics Technology Associate in Applied Science degree program is to prepare the graduate for employment as an Electronics Technician by educating them in the knowledge, skills, and behaviors an Electronics Technician should possess.

GOAL 1
Graduates of the Electronics Technology program will exhibit an understanding of technical knowledge required of an Electronics Technology Maintenance technician.
1. Explain the operation of components in a circuit.
2. Complete circuit calculations including voltage, current, resistance and power.

GOAL 2
Graduates of the program will demonstrate the proficiencies required of an entry-level Electronics Technology Maintenance technician.
1. Construct electronics circuits from a schematic.
2. Demonstrate the ability to properly use test equipment in performance of duties for an Electronics Technician.

GOAL 3
Graduates of the Electronics Technology program will model the attitudes and behaviors necessary to perform as an Electronics Technology Maintenance technician.
1. Demonstrate safe work practices in performance of job-specific tasks.
2. Demonstrate the ability to work effectively in group projects.
FINANCE AAS DEGREE
Department: Business, Hospitality, and Information Systems
The mission of the Associate in Applied Science Finance program is to prepare students for employment in financial institutions, government, and other positions in the financial services industry, by educating them in the knowledge and skills of personal or private finance, or to allow those already in the industry to upgrade their skills for possible promotion 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.

GOAL 1
Competency in basic accounting.

GOAL 2
Competency in financial information and data.

GOAL 3
Understanding of the financial services industry.

GOAL 4
Effective communication with customers.

GOAL 5
Functionality in investment services.

GENERAL MOTOR AUTOMOTIVE SERVICE EDUCATIONAL PROGRAM (GM-ASEP) AAS DEGREE
Department: Agricultural and Industrial Technologies
The mission of the General Motors Automotive Service Education Program (GM-ASEP) Associate in Applied Science degree program is to prepare students for employment in the automotive repair industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and forward thinking skills to serve as the next generation of automotive technicians.

GOAL 1
Graduates of the program will meet NATEF requirements for SAE areas A1-A8.

1. Students will demonstrate in the automotive lab the skills required to work in NATEF areas A1 Electrical Systems.

2. Students will demonstrate in the automotive lab the skills required to work in NATEF areas A5 Brake Systems.

3. Students will demonstrate in the automotive lab the skills required to work in NATEF areas A7 Automotive Heating and Air Conditioning.

GOAL 2
Graduates of the ASEP program will demonstrate knowledge of General Motors’ product lines as well as the operations of GM Dealerships.

1. Students will demonstrate an understanding of the similarities of the General Motors platforms.

2. Students will understand the operations of the Sales, Parts and Service within the dealership.

GOAL 3
Graduates will appreciate processes for safety, environmental protection, efficiency, accurate reporting, and other processes identified by their employer.

1. Students will demonstrate an understanding safety requirements during labs and internships.

2. Students will appropriately handle hazardous waste material

3. Students will appropriately write a repair order.
GRAPHIC COMMUNICATIONS AAS DEGREE
Department: Arts and Communication

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

GOAL 1
Graduates of the program will demonstrate knowledge of digital image capture.
1. Demonstrate an understanding of composition in digital photography.
2. Demonstrate effects of adjusting common features of digital cameras including exposure controls, resolution settings, and focal length controls.

GOAL 2
Graduates of the program will produce digital format publication for distribution as ebook and web delivery.
1. Demonstrate proper CSS coding for formatting web site content.
2. List the types of interactivity possible using PDF file format.

GOAL 3
Graduates will demonstrate professional behavior.
1. Students will use professional language during class presentations.
2. Students will work be able to independently with safe behavior.

GRAPHIC DESIGN – AAS DEGREE
Department: Arts and Communication

The mission of the Graphic Design A.A.S. degree program is to prepare students for entry-level employment in the graphic design industry by educating them in the fundamental concepts, knowledge, computer and software proficiency, and creation of a professional portfolio.

GOAL 1
Graduates of the program will demonstrate the formal visual skills necessary in the graphic design industry.
1. Student will be able to illustrate the ability to work with formal visual design elements and principles (line, shape, color.../repetition, proportion...).
2. Student will be able to demonstrate typographical skills, and ability to make appropriate, project-specific, typographic choices.
3. Student will develop the formal skills for critical thinking and problem-solving through demonstration of the design process as it is applied in the industry (i.e. research, strategy, concept development, mind mapping, sketches, etc.).
4. Student will be able to apply useful, usable, effective and desirable design with respect to target audience that is responsive to current technological, social and cultural systems in digitally-based communications and materials.

GOAL 2
Graduates of the program will have appropriate entry level technical skills in order to perform their job duties in the industry.
1. Student will be able to manipulate and render graphic images and choose appropriate technology to specific design tasks.
2. Student will be able to demonstrate the transformation of information into creative, conceptually appropriate design solutions using industry-standard production software and hardware.

GOAL 3
Graduates of the program will demonstrate effective communication skills in graphic design.
1. Student will be able to make and defend critical judgments based on knowledge of historical and contemporary practice during classroom critiques.
2. Student will be able to demonstrate an understanding of professional presentation techniques including verbal and visual presentation.
3. Student will be able to show proficiency in the visual, verbal and written vocabularies of design.

GOAL 4
Graduates of the program will be able to present themselves professionally through an online or print portfolio.
1. Student will create a professional-level portfolio, online or physical, to present their body of work to potential employers or to transfer institutions.
2. Student will develop a personal identity and professional presentation of resume package materials (business card, résumé, envelope, and cover letter).
GRAPHIC DESIGN - CERTIFICATE
Department: Arts and Communication

The mission of the Graphic Design Certificate program is to prepare students for entry-level employment in the graphic design industry by educating them in the fundamental concepts, knowledge, computer and software proficiency, and creation of a professional portfolio.

GOAL 1
Graduates of the program will demonstrate the formal visual skills necessary in the graphic design industry.

1. Student will be able to illustrate the ability to work with formal visual design elements and principles (line, shape, color…//repetition, proportion…).
2. Student will be able to demonstrate typographical skills, and ability to make appropriate, project-specific, typographic choices.
3. Student will develop the formal skills for critical thinking and problem-solving through demonstration of the design process as it is applied in the industry (i.e. research, strategy, concept development, mind mapping, sketches, etc.).
4. Student will be able to apply useful, usable, effective and desirable design with respect to target audience that is responsive to current technological, social and cultural systems in digitally-based communications and materials.

GOAL 2
Graduates of the program will have appropriate entry level technical skills in order to perform their job duties in the industry.

1. Student will be able to manipulate and render graphic images and choose appropriate technology to specific design tasks.
2. Student will be able to demonstrate the transformation of information into creative, conceptually appropriate design solutions using industry-standard production software and hardware.

GOAL 3
Graduates of the program will demonstrate effective communication skills in graphic design.

1. Student will be able to make and defend critical judgments based on knowledge of historical and contemporary practice during classroom critiques.
2. Student will be able to demonstrate an understanding of professional presentation techniques including verbal and visual presentation.
3. Student will be able to show proficiency in the visual, verbal and written vocabularies of design.

GOAL 4
Graduates of the program will be able to present themselves professionally through an online or print portfolio.

1. Student will create a professional-level portfolio, online or physical, to present their body of work to potential employers.

GREEN BUILDING ENVIRONMENT AAS DEGREE
Department: Agricultural & Industrial Technologies

The mission of the Green Building Environment Associate in Applied Science degree program is to provide the student with the knowledge to work in the energy areas, the built environment, building management, and other jobs yet to be defined. The student will learn about the evolving and developing sustainability and green areas and how to become better stewards of the environment. After completing this program, graduates will be able to work as entry-level weatherization technicians, energy auditors, and indoor air quality technicians in residential and commercial buildings.

GOAL 1
Graduates will demonstrate an understanding of the technical knowledge to perform as an entry level residential energy auditor.

1. Students will demonstrate an understanding of the specific knowledge and proficiency with test instruments and the tools required of a residential energy auditor.
2. Students will demonstrate technical knowledge by identifying and describing the components of the homes envelope and mechanical equipment.

GOAL 2
Graduates will demonstrate skills appropriate of an entry-level residential energy auditor.

1. Students will demonstrate and describe the skills to test residential and light commercial buildings by using the appropriate test instruments.
2. Students will describe and demonstrate the three types of energy audits for residential and light commercial buildings.

GOAL 3
Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry residential energy auditor.

1. Students will demonstrate and describe proper techniques of documentation of test results in accordance to the 2012 Illinois Energy Conservation Code.
2. Students will demonstrate and describe the minimum ventilation rates of residential and light commercial buildings in accordance to ACCA and the 2012 Illinois Energy Conservation Code.
HORTICULTURE-LANDSCAPE MANAGEMENT
AAS DEGREE
Department: Agricultural & Industrial Technologies

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

GOAL 1
Graduates of the program will demonstrate an understanding of the technical knowledge required for a landscape management position.

1. Demonstrate a fundamental understanding of basic horticultural principles and practices.
2. Demonstrate a fundamental understanding of soils, soil development, soil building and preparation, and sustainable soil management.
3. Demonstrate a fundamental understanding of turfgrass identification, selection, use and maintenance of turfgrasses best suited for use and weed identification.
4. Demonstrate a fundamental understanding of plant identification, selection, use and maintenance of plant materials best suited for use.
5. Demonstrate a fundamental understanding of basic landscape design principles and practices.
6. Demonstrate a fundamental understanding of sustainable landscape construction and maintenance principles and practice.
7. Demonstrate a fundamental understanding of the business and marketing practices unique to the horticulture industry.

GOAL 2
Graduates of the program will demonstrate proficiency in the skills necessary to obtain a landscape management position.

1. Identify common landscape plant and turfgrass species and know their growth habits and maintenance requirements including pest management.
2. Apply critical and creative thinking skills to design and install landscapes and understand small business management.
3. Propose on-going integrated pest management practices and solutions for green spaces.
4. Demonstrate a proficiency in operation of industry equipment.

GOAL 3
Graduates of the program will demonstrate professional qualities and professional ethics.

1. Gain practical experience and practice professionalism in the industry through onsite training.
2. Demonstrate proficiency at safely operating landscape construction and maintenance power equipment to complete various landscape operations.

HORTICULTURE-LANDSCAPING CERTIFICATE
Department: Agricultural & Industrial Technologies

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

GOAL 1
Certificate earners of the program will demonstrate an understanding of the technical knowledge required of an entry level employee in the landscape industry.

1. Demonstrate a fundamental understanding of basic horticultural principles and practices.
2. Demonstrate a fundamental understanding of soils, soil development, soil building and preparation, and sustainable soil management.
3. Demonstrate a fundamental understanding of turfgrass identification, selection, use and maintenance of turfgrasses best suited for use and weed identification.
4. Demonstrate a fundamental understanding of plant identification, selection, use and maintenance of plant materials best suited for use.
5. Demonstrate a fundamental understanding of sustainable landscape construction and maintenance principles and practice.

GOAL 2
Certificate earners of the program will demonstrate specific skills related to soil fertility, turfgrass management, landscape plant identification and landscape maintenance.

1. Identify common landscape plant and turfgrass species and know their growth habits and maintenance requirements including pest management.
2. Apply critical and creative thinking skills to design and install landscapes.
3. Propose on-going integrated pest management practices and solutions for green spaces.
4. Demonstrate a proficiency at safely operating landscape equipment and maintenance of power equipment.
HORTICULTURE-TURFGRASS MANAGEMENT
AAS DEGREE
Department: Agricultural & Industrial Technologies

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

GOAL 1
Graduates of the program will demonstrate an understanding of the technical knowledge and proficiency required of a turfgrass management position.

1. Demonstrate a fundamental understanding of basic horticultural principles and practices.
2. Demonstrate a fundamental understanding of soils, soil development, soil building and preparation, and sustainable soil management.
3. Demonstrate a fundamental understanding of turfgrass identification, selection, use and maintenance of turfgrasses best suited for use and weed identification.
4. Demonstrate a fundamental understanding of plant identification, selection, use and maintenance of plant materials best suited for use.
5. Demonstrate a fundamental understanding of basic landscape design principles and practices.
6. Demonstrate a fundamental understanding of sustainable landscape construction and maintenance principles and practice.
7. Demonstrate a fundamental understanding of hydraulics and irrigation design, installation, and water management principles and practices.
8. Demonstrate a fundamental understanding of the business and marketing practices unique to the turfgrass industry.

GOAL 2
Graduates of the program will demonstrate specific turfgrass management skills required to obtain a turfgrass management position.

1. Propose on-going integrated pest management practices and solutions for green spaces.
2. Demonstrate a proficiency in maintenance of power equipment.
3. Identify turfgrass and common landscape plant species and know their growth habits and maintenance requirements including pest management.
4. Apply critical and creative thinking skills to design and install landscapes (including turfgrass) and understand small business management.

GOAL 3
Graduates of the program will demonstrate professional qualities and professional ethics.

1. Demonstrate proficiency at safely operating landscape construction and maintenance power equipment to complete various landscape operations.
2. Gain practical experience and practice professionalism in the industry through onsite training.

HORTICULTURE-TURFGRASS OPERATIONS CERTIFICATE
Department: Agricultural & Industrial Technologies

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

GOAL 1
Certificate earners of the program will demonstrate an understanding of the technical knowledge and proficiency required of an entry level employee in the turfgrass operation industry.

1. Demonstrate a fundamental understanding of basic horticultural principles and practices.
2. Demonstrate a fundamental understanding of soils, soil development, soil building and preparation, and sustainable soil management along with turf identification and management.
3. Demonstrate a fundamental understanding of turfgrass identification, selection, use, and maintenance of plant material best suited for conventional and sustainable landscapes.
4. Demonstrate a fundamental understanding of hydraulics and irrigation design, installation, and water management principles and practices.

GOAL 2
Certificate earners of the program will demonstrate turfgrass management skills required to obtain an entry level position within the turfgrass industry.

1. Demonstrate proficiency in operating and servicing equipment used in the turfgrass industry.
2. Identify common landscape plant and turfgrass species and know their growth habits and maintenance requirements including pest management.
HVAC RESIDENTIAL INSTALLER CERTIFICATE

Department: Agricultural & Industrial Technologies

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

GOAL 1

Graduates will demonstrate an understanding of the technical knowledge to perform as an entry level residential HVAC installer.

1. Students will identify and describe the function of system components in residential natural gas furnace, propane gas furnace, and air-conditioning forced air systems.
2. Students will demonstrate technical knowledge of sizing piping, wiring, fuses, and breakers in residential heating and cooling systems.

GOAL 2

Graduates will demonstrate the skills appropriate for an entry level residential HVAC installer.

1. Students will demonstrate and describe installation techniques of residential natural gas heating and cooling equipment according to manufacturer's instructions.
2. Students will demonstrate and describe the procedures of measuring, cutting, and joining of copper tubing, black iron pipe, PVC pipe, and CVPC pipe.
3. Students will demonstrate and describe the procedures of measuring, cutting, and joining of sheet metal.

GOAL 3

Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry level residential HVAC installer.

1. Students will demonstrate and describe proper refrigerant handling techniques in accordance to Section 608 of the Federal Clean Air Act.
2. Students will demonstrate and describe ladder and fall prevention safety procedures in accordance to OSHA 29 CFR 1910.
3. Students will demonstrate and describe lockout/tagout safety procedures for control of hazardous energy sources in accordance to OSHA 29 CFR 1910.
4. Students will demonstrate and describe safety procedures for handling pressurized cylinders in accordance to OSHA 29 CFR 1910.
5. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC industry and business operation.

HVAC TECHNICIAN CERTIFICATE

Department: Agricultural & Industrial Technologies

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

GOAL 1

Graduates will demonstrate an understanding of the technical knowledge to perform as an entry level HVAC technician.

1. Students will demonstrate technical knowledge of electric heat theory, air-source heat pump theory, ground-source heat pump theory, hydronic heating theory, and combustion theory of heating fuels.
2. Students will demonstrate technical knowledge by identifying and describing the function of system components used in electric heating, hydronic heating, air-source heat pump (heating/cooling), and ground-source heat pump (heating/cooling) systems.
3. Students will identify and describe the function of test instruments and tools required to diagnose residential heating and cooling systems.

GOAL 2

Graduates will demonstrate the skills appropriate for an entry level HVAC technician.

1. Students will demonstrate and describe troubleshooting techniques of residential heating and cooling equipment according to manufactures instructions.
2. Students will demonstrate and describe the procedures in replacing faulty components in residential heating and cooling equipment.
3. Students will demonstrate and describe the skills to troubleshoot residential and light commercial HVAC components by using the appropriate test instruments.

GOAL 3

Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry level HVAC technician.

1. Students will demonstrate and describe proper refrigerant handling techniques in accordance to Section 608 of the Federal Clean Air Act.
2. Students will demonstrate and describe ladder and fall prevention safety procedures in accordance to OSHA 29 CFR 1910.
3. Students will demonstrate and describe lockout/tagout safety procedures for control of hazardous energy sources in accordance to OSHA 29 CFR 1910.
4. Students will demonstrate and describe safety procedures for handling pressurized cylinders in accordance to OSHA 29 CFR 1910.
5. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC industry and business operation.
HVAC/R TECHNOLOGY AAS DEGREE

Department: Agricultural & Industrial Technologies

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

GOAL 1
Graduates will demonstrate an understanding of the technical knowledge to perform as an entry level HVAC/R startup technician.

1. Students will demonstrate technical knowledge of test, adjust, balance (TAB) theory.
2. Students will demonstrate an understanding of the specific knowledge and proficiency with test instruments and the tools required of a HVAC/R startup technician.
3. Students will demonstrate technical knowledge by identifying and describing auxiliary components and equipment.

GOAL 2
Graduates will demonstrate skills appropriate of an entry-level HVAC/R startup technician.

1. Students will describe and demonstrate the skills of TAB techniques of residential heating and cooling systems according to manufactures instructions.
2. Students will demonstrate and describe the skills to test residential and light commercial HVAC/R systems by using the appropriate TAB test instruments.
3. Students will describe and demonstrate the skills in the layout and building of sheet metal take-offs and rectangle-to-round transitions.

GOAL 3
Graduates will demonstrate an understanding of the technical knowledge to perform as an entry level residential heating and air-conditioning designer.

1. Students will demonstrate technical knowledge and proficiency in determining how to maintain human comfort for residential and light commercial buildings according to ACCA Manual Jae and ACCA Manual S.
2. Students will demonstrate technical knowledge and proficiency in determining ventilation requirements of residential and light commercial buildings to maintain a safe and healthy indoor environment according to ACCA Manual Jae and Manual S.
3. Students will demonstrate technical knowledge and proficiency in determining the correct amount of conditioned air needed per room of residential and light commercial buildings according to ACCA Manual Jae, S, D and ACCA Manual T.

GOAL 4
Graduates will demonstrate skills appropriate of an entry-level residential heating and air-conditioning designer.

1. Students will demonstrate and describe the procedures in determining the correct size of a gas furnace, heat pump and air-conditioner from using manufacture's specification sheets in accordance to ACCA Manual Jae and Manual S.

GOAL 5
Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry level start up technician.

1. Students will demonstrate and describe proper techniques of TAB documentation in accordance to ACCA Manual B.
2. Students will demonstrate and describe the creation of a preventive maintenance schedule for residential and light commercial heating and cooling systems.
4. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC industry and business operation.

GOAL 6
Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry level residential heating and air-conditioning designer.

1. Students will demonstrate and describe the minimum ventilation rates of residential and light commercial buildings in accordance to ACCA and the 2012 Illinois Energy Conservation Code.
2. Students will demonstrate and describe the minimum insulation values and envelope air leakage rates of residential and light commercial buildings in accordance to ACCA and the 2012 Illinois Energy Conservation Code.
3. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal government laws, regulations, and ordinances pertaining to the HVAC industry and business operation.
IMEDIA CERTIFICATE
Department: Arts and Communication
The mission of the iMedia certificate program is to prepare students for employment or upgrade existing job skills needed in the modern digital publishing format industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and skills needed to create and manage ebooks, variable data processing, interactive PDFs (Portable Document Formats), CSS (Cascading Style Sheets), controlled web sites, and designing augmented reality experiences.

GOAL 1
Graduates of the program will demonstrate basic knowledge of publication software.
1. Properly identify tools in the publishing software.
2. Demonstrate know of publication content formatting using style sheets.

GOAL 2
Graduates of the program will produce digital format publication for distribution as ebook and web delivery.
1. Demonstrate proper CSS coding for formatting web site content.
2. List the types of interactivity possible using PDF file format.

GOAL 3
Graduates will demonstrate professional behavior.
1. Students will use professional language during class presentations.
2. Students will work independently.

INDUSTRIAL ELECTRICAL TECHNOLOGY
AAS DEGREE
Department: Agricultural & Industrial Technologies
The mission of the Industrial Electrical Technology Associate in Applied Science degree program is to use lecture and hands-on laboratory experiences to prepare the graduate for employment as an Industrial Electrical Maintenance Technician by educating them in the knowledge, skills, and behaviors associated with the field.

GOAL 1
Graduates of the Industrial Electrical program will exhibit an understanding of technical knowledge required of an Industrial Electrical Maintenance technician.
1. Explain safe work practices in an industrial work environment.
2. Identify key aspects of Motor Control operation.

GOAL 2
Graduates of the program will demonstrate the proficiencies required of an Industrial Electrical Maintenance technician.
1. Demonstrate the ability to create ladder logic diagrams given system specifications.
2. Demonstrate the ability to create PLC programs and properly interface them to input and output devices.

GOAL 3
Graduates of the Electronics Technology program will model the attitudes and behaviors necessary for an Industrial Electrical Maintenance technician.
1. Demonstrate safe work practices in performance of job-specific tasks.
2. Demonstrate the ability to work effectively in group projects.
MISSION, GOALS, AND OUTCOMES

LAW ENFORCEMENT AAS DEGREE
Department: Social Sciences and Public Services
The mission of the Associate in Applied Science Law Enforcement degree is to prepare students for employment in the law enforcement field by educating them in general education as well as specialized courses in criminal justice.

GOAL 1
Graduates will demonstrate ethical and service-oriented behaviors in the Criminal Justice profession in which they choose to work.

1. Students will demonstrate professional interaction with all parties in the industry, such as with police, judges, and defendants.
2. Students will demonstrate the ethics of professional responsibility within the criminal justice profession.

GOAL 2
Graduates will demonstrate skills of the Criminal Justice System in which they plan to work, along with the issues and problems that arise within that system.

1. Students will demonstrate investigative skills necessary to work within any field of the Criminal Justice system.
2. Students will demonstrate communication skills necessary to work within any field of the Criminal Justice system.
3. Students will demonstrate the ability to supervise personnel who work within the Criminal Justice system.
4. Students will use technology to access information about the court system; the laws, cases, and court rules.

GOAL 3
Graduates will demonstrate knowledge in the areas of criminal justice system.

1. Students will demonstrate knowledge of the cultural differences within the criminal justice systems worldwide.
2. Students will demonstrate knowledge of practices in the field of juvenile delinquency.
3. Students will demonstrate knowledge of practices in the field of corrections.
4. Students will demonstrate knowledge of practices in the field of policing.

LAW ENFORCEMENT CERTIFICATE
Department: Social Sciences and Public Services
The mission of the Law Enforcement Certificate is to prepare students for employment in the law enforcement field by educating them in specialized courses in criminal justice.

GOAL 1
Graduates will demonstrate ethical and service-oriented behaviors in the Criminal Justice profession in which they choose to work.

1. Students will demonstrate professional interaction with all parties in the industry, such as with police, judges, and defendants.
2. Students will demonstrate the ethics of professional responsibility within the criminal justice profession.

GOAL 2
Graduates will demonstrate skills of the Criminal Justice System in which they plan to work, along with the issues and problems that arise within that system.

1. Students will demonstrate investigative skills necessary to work within any field of the Criminal Justice system.
2. Students will demonstrate communication skills necessary to work within any field of the Criminal Justice system.
3. Students will demonstrate the ability to supervise personnel who work within the Criminal Justice system.
4. Students will use technology to access information about the court system; the laws, cases, and court rules.

GOAL 3
Graduates will demonstrate knowledge in the areas of criminal justice system.

1. Students will demonstrate knowledge of the cultural differences within the criminal justice systems worldwide.
2. Students will demonstrate knowledge of practices in the field of juvenile delinquency.
3. Students will demonstrate knowledge of practices in the field of corrections.
4. Students will demonstrate knowledge of practices in the field of policing.
LIBRARY TECHNICAL ASSISTANT AAS PROGRAM

Department: Library

The mission of the Library Technical Assistant Program is to prepare students for employment in various types of libraries and to provide a foundational education in library services and information studies. LTA graduates possess basic skills in: collection development, cataloging, media technology, technology troubleshooting, reference, and patron services to serve in libraries and information centers.

Goal 1
Graduates will demonstrate foundational knowledge appropriate to perform as an entry level Library Technical Assistant.

1. Students will demonstrate knowledge of library service and customer care principles.
2. Students will demonstrate knowledge of acquisitions and collection development.
3. Students will exhibit knowledge of information literacy.
4. Students will demonstrate knowledge of the American Library Association’s Professional Code of Ethics.

Goal 2
Graduates will demonstrate skills appropriate for an entry Library Technical Assistant.

1. Students will model proficient reference service skills and be able to troubleshoot problems related to circulation and resource sharing.
2. Students will be able to set-up, operate, and perform basic troubleshooting on audio-visual and computer hardware and software.
3. Students will demonstrate basic cataloging, classification, and collection development skills.
4. Students will be able to serve people in accordance with customer care principles.

Goal 3
Graduates will demonstrate ethical and professional behaviors.

1. Students will demonstrate professional interactions in the workplace.
2. Students will use information ethically.
3. Students will adhere to the ALA professional Code of ethics.

LIBRARY TECHNICAL ASSISTANT CERTIFICATE

Department: Library

The mission of the Library Technical Assistant Program is to prepare students for employment in various types of libraries and to provide a foundational education in library services and information studies. LTA graduates possess basic skills in: collection development, cataloging, media technology, technology troubleshooting, reference, and patron services to serve in libraries and information centers. This certificate may be of interest to anyone currently working as a paraprofessional in a library or anyone seeking professional development opportunities.

Goal 1
Graduates will demonstrate foundational knowledge appropriate to perform as an entry level Library Technical Assistant.

1. Students will demonstrate knowledge of library service and customer care principles.
2. Students will demonstrate knowledge of acquisitions and collection development.
3. Students will exhibit knowledge of information literacy.
4. Students will demonstrate knowledge of the American Library Association’s Professional Code of Ethics.

Goal 2
Graduates will demonstrate skills appropriate for an entry Library Technical Assistant.

1. Students will model proficient reference service skills and be able to troubleshoot problems related to circulation and resource sharing.
2. Students will be able to set-up, operate, and perform basic troubleshooting on audio-visual and computer hardware and software.
3. Students will demonstrate basic cataloging, classification, and collection development skills.
4. Students will be able to serve people in accordance with customer care principles.

Goal 3
Graduates will demonstrate ethical and professional behaviors.

1. Students will demonstrate professional interactions in the workplace.
2. Students will use information ethically.
3. Students will demonstrate adherence to the ALA professional Code of ethics.
LICENSED PRACTICAL NURSING CERTIFICATE
Department: Health Careers
The mission of the Licensed Practical Nurse certificate is to effectually provide educational resources within theory, laboratory, and clinical experiences to prepare graduates for a successful professional nursing career as a Licensed Practical Nurse.

GOAL 1
Graduates of the nursing program will demonstrate competency in skill performance as a licensed practical nurse.
1. Students will demonstrate nursing skills based on application of scientific and theoretical knowledge in the health skills lab setting prior to performing skills in clinical setting.
2. Students will demonstrate nursing skill competency while caring for patients in the clinical setting.

GOAL 2
Graduates of the program will communicate effectively to develop appropriate interpersonal relationships within the healthcare environment.
1. Students will verbally communicate effectively with patient, family and healthcare team.
2. Students will communicate application of theoretical knowledge of patient care via verbal, electronic and written means.

GOAL 3
Graduates of the program will apply nursing knowledge and critical thinking to promote wellness and patient adaptation in health and/or illness.
1. Students will utilize critical thinking skills to analyze patient situations and respond appropriately within the clinical setting.
2. Students will utilize the nursing process to individualize holistic care within the clinical setting.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.

GOAL 4
Graduates of the program will adhere to the standards of nursing practice, as outlined in the Illinois Nurse Practice Act.
1. Students will provide care in a safe manner.
2. Students will adhere to confidentiality guidelines while providing patient care.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.

LICENSED PRACTICAL NURSE TO REGISTERED NURSE COMPLETION PROGRAM AAS DEGREE
Department: Health Careers
The mission of the Associate in Applied Science Licensed Practical Nurse to Registered Nurse completion program is to effectually provide educational resources within theory, laboratory, and clinical experiences to prepare graduates for a successful professional nursing career as a Registered Nurse.

GOAL 1
Graduates of the nursing program will demonstrate competency in skill performance as a registered nurse.
1. Students will demonstrate nursing skills based on application of scientific and theoretical knowledge in the health skills lab setting prior to performing skills in clinical setting.
2. Students will demonstrate nursing skill competency while caring for patients in the clinical setting.

GOAL 2
Graduates of the program will communicate effectively to develop appropriate interpersonal relationships within the healthcare environment.
1. Students will verbally communicate effectively with patient, family and healthcare team.
2. Students will communicate application of theoretical knowledge of patient care via verbal, electronic and written means.

GOAL 3
Graduates of the program will apply nursing knowledge and critical thinking to promote wellness and patient adaptation in health and/or illness.
1. Students will utilize critical thinking skills to analyze patient situations and respond appropriately within the clinical setting.
2. Students will utilize the nursing process to individualize holistic care within the clinical setting.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.
4. Students will teach concepts of wellness, health, and illness while acknowledging the diversity of patients, families, and/or significant others.

GOAL 4
Graduates of the program will adhere to the standards of nursing practice, as outlined in the Illinois Nurse Practice Act.
1. Students will provide care in a safe manner.
2. Students will adhere to confidentiality guidelines while providing patient care.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.
MACHINE TOOL TECHNOLOGY AAS DEGREE
Department: Agricultural & Industrial Technologies
The mission of the Machine Tool Technology Associate in Applied Science degree program is to prepare students with the skills in the operation of machine tools for entry level positions as industry professionals including precision machinists, mold makers, die makers, and tool makers.

GOAL 1
Students display general behavior and attitudes expected of an entry-level production team member by a manufacturing, construction, agricultural or fabrication oriented business.
1. Demonstrate positive attitudes and acceptable behaviors for such things as reporting to work regularly and on time, for working in a team, honesty, quality-minded, and accepting alternative points of view.
2. Follow all prescribed safety rules including the wearing of personal protection devices, properly using lifting tools to move equipment & supplies, following lockout/tagout procedures, and site specific requirements.

GOAL 2
Graduates of the program will have a general understanding and appreciation for the procedures within manufacturing such as safety, quality, logistics, and accurate reporting, and be prepared to positively contribute to the production team.
1. Use rulers, gauges, and precision measuring tools to properly identify sizes and locations of part features and sizes of welds.
2. Interpret industrial drawings.

GOAL 3
Graduate will demonstrate the aptitude, attitude, reasoning, and communication skills to lead production teams, design machine tool layouts on the shop floor, develop procedures to check part quality, and continue their education towards a bachelor of applied science degree.
1. Communicate in a formal manner both written and oral, that which expected of supervisors or mid-level managers.
2. Prepare reports detailing conclusions and recommendations for manufacturing process optimization and analysis of manufacturing problems.

GOAL 4
Graduates of the program will demonstrate the understanding of engineering drawings, materials science, manufacturing processes, quality assurance, and other areas that prepares graduates to pursue a bachelor’s degree or enter into employment as a production professional.
1. Troubleshoot machining problems including tooling, finish, dimensional errors, and work holding.
2. Program machine tools using manual and computer assisted methods.
4. Safely operate CNC machine tools.

MACHINIST CERTIFICATE
Department: Agricultural & Industrial Technologies
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.

GOAL 1
Graduates of the program will demonstrate the skills to properly access the correct program, identify and troubleshoot work holding devices, tooling, and piece parts, load piece parts and run the automated cycle, and inspect finished parts for accuracy at a level consistent with local employer expectations.
1. Use rulers, gauges, and precision measuring tools to properly identify sizes and locations of part features.
2. Analyze industrial prints including dimensions, tolerances, allowances, geometric tolerances, and notes.

GOAL 2
Graduates of the program will have a general understand and appreciation for the procedures within manufacturing for safety, quality, logistics, and other things and be prepared to positive contribute to the production team.
1. Follow all prescribed safety rules including the wearing of personal protection devices, properly using lifting tools to move equipment & supplies, following lockout/tagout procedures, and site specific requirements.
2. Communicate in a formal and informal manner to a level that is expected of supervisors or mid-level managers.

GOAL 3
Graduate will be able to interpret mechanical blueprints, use precision measuring tools, communicate how the CNC processes produces the required features within specified tolerances, and verify that features are indeed within tolerance.
1. Troubleshoot machining problems including tooling, finish, dimensional errors, and work holding.
2. Setup and machine sub-assembly, assembly, and fixture parts within tolerance using common machine tool systems.
3. Program machine tools using manual and computer assisted methods.
4. Safely operate CNC machine tools.
MANAGEMENT AAS DEGREE
Department: Business, Hospitality, and Information Systems
The mission of the Management Associate in Applied Science 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.

GOAL 1
Graduates will be able to demonstrate knowledge of excellent customer service and professionalism with stakeholders.
1. The student will be able to employ strategies used by management to enhance business relationships.
2. The student will be able to relate customer service principles to work scenarios.
3. The student will be able to respond appropriately to the emotions of others.

GOAL 2
Graduates will be able to demonstrate effective communication skills.
1. The student will be able to obtain information which impacts business decisions.
2. The student will be able to convey ideas and information which impact business decisions and report on organizational activities.

GOAL 3
Graduates will be able to demonstrate best business practices in management.
1. The student will be able to explain how the four functions of management, planning, organizing, directing, and controlling are used to achieve organizational goals.
2. The student will be able to lead employees in contributing to successful business operations.
3. Use structured problem-solving methods when developing proposals and solutions.

GOAL 4
Graduates will have knowledge of the legal and ethical implications in their decisions.
1. The student will be able to apply ethical reasoning to a variety of workplace situations in order to make ethical decisions.
2. The student will be able to identify personal and long-term workplace consequences of unethical or illegal behaviors.
3. The student will be able to explain how specific organizational policies and procedures influence a specific work situation.
4. The student will be able to describe management's responsibility to know and abide by laws and regulations that affect business operations and transactions.

GOAL 5
Graduates will be able to manage the use of financial resources to protect a business's fiscal well-being.
1. The student will be able to interpret a business's financial statements.
2. The student will be able to manage financial resources to maintain business solvency.

MANAGEMENT-SUPPLY CHAIN MANAGEMENT AAS DEGREE
Department: Business, Hospitality, and Information Systems
The mission of the Supply Chain Management program is to prepare students for employment in Supply Chain Management through education in management, fundamental business concepts, and supply chain management.

GOAL 1
The graduate will have developed competencies in management, fundamental business concepts and supply chain management.
1. The student demonstrates knowledge of basic business concepts and functional areas.
2. The student understands the role of manufacturing in our economy and the basic types of manufacturing processes and supply chains.
3. The student is familiar with methods of inventory management and the necessity of good inventory management.

GOAL 2
The graduate is aware of ethical behavior as it pertains to employment.
1. The student will be aware of ethical issues in the supply chain management and chooses to respond ethically.
2. The student demonstrates the ability to support quality initiatives in the workplace.

GOAL 3
The graduate will have practical knowledge, techniques, and theory needed to work effectively, to solve current problems, and to develop new strategies and direction.
1. The student demonstrates knowledge of change management.
2. The student demonstrates knowledge of best practices in supply chain management.
3. The student will develop good oral and written communication skills.

GOAL 4
Graduates of the program will demonstrate the appropriate skills for an entry-level supervisor.
1. The student will be able to analyze workplace problems and formulate solutions.
2. The student will demonstrate an understanding of the four functions of management.
3. The student can interpret financial reports and statements relating to production and has developed skills in purchasing management.
4. Students demonstrate the development of management and people skills.
MANAGEMENT OF SUPPLY CHAIN CERTIFICATE
Department: Business, Hospitality, and Information Systems

The mission of the Management of Supply Chain Certificate program is to prepare students for employment in Supply Chain Management through education in management, fundamental business concepts, and supply chain management.

GOAL 1
The graduate will demonstrate specific knowledge and proficiency in the supply chain field.

1. The student understands the role of manufacturing in our economy and the basic types of manufacturing processes and supply chains.
2. The student is familiar with methods of inventory management and the necessity of good inventory management.
3. The student demonstrates management skills.

GOAL 2
Graduates will have developed the competencies to succeed in supply chain management employment.

1. The student can execute and evaluate work plans.
2. The student can execute and evaluate cost control and risk management.
3. Students demonstrate skills in project management.

GOAL 3
The graduate will be aware of ethical behavior as it pertains to employment.

1. The student will be aware of ethical issues in the supply chain management and chooses to respond ethically.
2. The student demonstrates the ability to support quality initiatives in the workplace.

MANUFACTURING ENGINEERING TECHNOLOGY AAS DEGREE
Department: Agricultural & Industrial Technologies

The mission of the Manufacturing Engineering Technology Associate in Applied Science degree program is to prepare students with the skills and knowledge for entry-level positions in manufacturing firms. Students will learn about manufacturing processes as well as manufacturing equipment, parts, and quality problems.

GOAL 1
Students display general behavior and attitudes expected of an entry-level production team member by a manufacturing, construction, agricultural or fabrication oriented business.

1. Demonstrate positive attitudes and acceptable behaviors for such things as reporting to work regularly and on time, working in a team, honesty, quality-minded, and accepting alternative points of view.
2. Follow all prescribed safety rules including the wearing of personal protection devices, properly using lifting tools to move equipment & supplies, following lockout/tagout procedures, and site specific requirements.

GOAL 2
Graduates of the program will have a general understanding and appreciation for the procedures within manufacturing such as safety, quality, logistics, and accurate reporting, and be prepared to positively contribute to the production team.

1. Use rulers, gauges, and precision measuring tools to properly identify sizes and locations of part features and sizes of welds.
2. Interpret industrial drawings.

GOAL 3
Graduate will demonstrate the aptitude, attitude, reasoning, and communication skills to lead production teams, design machine tool layouts on the shop floor, develop procedures to check part quality, and continue their education towards a bachelor of applied science degree.

1. Communicate in a formal manner both written and oral, that which expected of supervisors or mid-level managers.
2. Prepare reports detailing conclusions and recommendations for manufacturing process optimization and analysis of manufacturing problems.

GOAL 4
Graduates of the program will demonstrate the understanding of engineering drawings, materials science, manufacturing processes, quality assurance, and other areas that prepares graduates to pursue a bachelor's degree or enter into employment as a production professional.

1. Compare manufacturing methods to assure optimization, quality assurance, and appropriate use of technology.
2. Troubleshoot machining problems including tooling, finish, dimensional errors, and work holding.
3. Design statistical tests to analyze the quality and quality trends of manufacturing data.
MARKETING/SALES AND RETAIL MANAGEMENT, AAS DEGREE

Department: Business, Hospitality, and Information Systems

The mission of the Associate in Applied Science Marketing/Sales and Retail Management 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.

GOAL 1
Graduates will demonstrate a foundation of knowledge for successful employment in entry-level marketing positions.

1. Students will demonstrate knowledge of the marketing mix of product, price, promotion, and place, and how they relate to successful marketing.
2. Students attain understanding of customer behavior and what influences customers to purchase.
3. Students will know effect of technology and social media as they relate to the rapidly-changing trends of contemporary marketing.

GOAL 2
Graduates will have developed the competencies to succeed in his/her chosen facet of marketing, sales and/or retail management.

1. Students will demonstrate effective verbal and written communication in a business type of setting.
2. Students will understand of the concept of brand.
3. Students will be able to segment a market and develop one or more target markets.

GOAL 3
Graduates will have developed professional and ethical behaviors for marketing.

1. The student will be aware of ethical issues in the marketing field and demonstrate the ability to choose ethical responses.
2. The student will be able to relate customer service principles to work scenarios.
3. Students will be able to use modern professional sales techniques to build relationships with customers.

GOAL 4
Graduates of the program will demonstrate the appropriate skills for an entry-level supervisor.

1. The student will be able to analyze workplace problems and formulate solutions.
2. The student will demonstrate an understanding of the four functions of management.

MASSAGE THERAPIST CERTIFICATE

Department: Health Careers

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

GOAL 1
Graduates of the program will demonstrate application of knowledge of massage therapy principles.

1. Students will demonstrate professionalism in the clinic massage therapy setting.
2. Students will demonstrate effective propping of client in the clinic massage therapy setting.
3. Students will demonstrate appropriate draping of client in the clinic massage therapy setting.
4. Students will address endangerment sites appropriately in the clinic massage therapy setting.
5. Students will analyze and note client posture in the clinic massage therapy setting.

GOAL 2
Graduates of the program will demonstrate competency of technical skills performed by a massage therapist.

1. Students will demonstrate effective verbal communication in the clinic massage therapy setting.
2. Students will demonstrate an orchestrated flow in the clinic massage therapy setting.
3. Students will demonstrate effective strokes in the clinic massage therapy setting.
4. Students will demonstrate proper use of lubricants in the clinic massage therapy setting.
5. Students will demonstrate proper body mechanics in the clinic massage therapy setting.

GOAL 3
Graduates of this program will display suitable affective elements in the massage therapy environment: appearance, confidence, nurturing, boundaries, and attitude.

1. Students will demonstrate a professional appearance in the clinic massage therapy setting.
2. Students will demonstrate confidence in the clinic massage therapy setting.
3. Students will be nurturing toward clients in the clinic massage therapy setting.
4. Students will display proper emotional and physical boundaries with clients in the clinic massage setting.
5. Students will display a professional attitude in the clinic massage setting.
MECHANICAL ENGINEERING TECHNOLOGY
AAS DEGREE
Department: Agricultural & Industrial Technologies
The mission of the Mechanical Engineering Technology Associate in Applied Science program is to prepare students to continue on for a bachelor's degree in manufacturing engineering or industrial technology or to enter the workforce in the manufacturing community by educating them in various aspects of the profession.

GOAL 1
Graduates of the program will demonstrate the understanding of engineering drawings in order to pursue a bachelor's degree or enter into employment as a mechanical design professional.

1. Students will be able to create 3d solid models in Creo, formerly called Pro-E, using extrude, revolve, sweep and blend commands.
2. Students will be able to edit existing models and change size and location of features.

GOAL 2
Graduates of the program will demonstrate specific procedures within the area of mechanical design such as detailing, illustrating that they are well prepared to positively contribute to the design team.

1. Students will assign dimensions to drawings according to ANSI standards.
2. Students will assign welding symbols to drawings.

GOAL 3
Students will demonstrate professional behavior.

1. Students will use formal professional language during presentations displaying their work.
2. Students will be able to work independently.

MECHATRONICS CERTIFICATE
Department: Agricultural & Industrial Technologies
The Mechatronics Certificate program of study prepares graduates for technical positions in the expanding field of electrical/mechanical systems installation and service.

GOAL 1
Graduates of the Mechatronics Technology program will demonstrate an understanding of technical knowledge required of an entry-level Mechatronics technician.

1. Recognize pneumatic/hydraulic and VFD/electric-motor control diagrams.
2. Recognize PLC programs and their relationship to input and output devices.

GOAL 2
Graduates of the program will demonstrate entry-level skills proficiency typically expected of an entry-level Mechatronics Technician.

1. Demonstrate an understanding of electrical and electronic circuits related to Mechatronics.
2. Demonstrate an understanding of the use of test equipment related to entry-level employment as a Mechatronics Technician.

GOAL 3
Graduates of the program will have a general understanding and appreciation for the attitudes and behaviors of an entry-level Mechatronics technician.

1. Explain the necessity for safe work practices in performance of job-specific tasks.
2. Work effectively in group settings.
MECHATRONICS TECHNOLOGY AAS DEGREE

Department: Agricultural & Industrial Technologies

The mission of the Mechatronics Technology Associate in Applied Science degree program is to provide experience to prepare the graduate for employment in industry/business as an electro-mechanical maintenance technician by educating them in the knowledge, skills, and behaviors as a mechatronics technician.

GOAL 1
Graduates of the Mechatronics Technology program will demonstrate the proficiencies required of an entry-level Mechatronics technician.
1. Demonstrate the ability to properly use test equipment in performance of duties for a Mechatronics Technician.
2. Demonstrate the ability to analyze, construct and test electrical and electronic circuits from schematic diagrams.

GOAL 2
Graduates of the program will demonstrate specific knowledge and proficiency in the mechanical areas of fluid power and programmable controls.
1. Demonstrate the ability to analyze VFD/electric-motor control diagrams and construct them with appropriate hardware.
2. Demonstrate the ability to create PLC programs and properly interface them to input and output devices.

GOAL 3
Graduates of the program will have a general understanding and appreciation for professional standards in the workplace.
1. Demonstrate safe work practices in performance of job-specific tasks.
2. Exhibit good class preparation.

MEDICAL ASSISTANT CERTIFICATE

Department: Health Careers

The mission of the Medical Assistant Program is to prepare students to be competent, entry-level medical assistants by educating them in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

GOAL 1
Graduates will exhibit clinical competency as an entry-level medical assistant.
1. Students will demonstrate knowledge of basic math computations using applied mathematics.
2. Students will apply appropriate principles of human anatomy and physiology by performing patient skills competencies.
3. Students will demonstrate knowledge of proper infection control techniques to ensure compliance with CDC regulations in health care settings.

GOAL 2
Graduates will demonstrate concepts of effective communication as an entry-level medical assistant.
1. Students will demonstrate professional telephone techniques.
2. Students will demonstrate recognition of importance of responding to nonverbal communication.
3. Students will demonstrate ability to report relevant information to the physician.
4. Students will demonstrate ability to assemble useful and credible information necessary for successful patient education.

GOAL 3
Graduates will exhibit administrative skills necessary for an entry-level medical assistant.
1. Students will demonstrate competence in using an electronic healthcare software program.
2. Students will demonstrate competence in Basic Practice Finances and 3rd Party Reimbursement.
3. Students will demonstrate competency in how to use the most current CPT and ICD coding systems.

GOAL 4
Graduates will model professional behavior appropriate for an entry-level medical assistant.
1. Students will describe the state’s legal scope of practice for a medical assistant.
2. Students will apply HIPAA rules in regard to release of information and patient confidentiality.

GOAL 5
Graduates will exhibit appropriate critical thinking skills necessary for an entry-level medical assistant.
1. Students will effectively evaluate the work environment to identify safe vs. unsafe working conditions.
2. Students will explain an evacuation plan for a physician’s office.
MEDICAL CODER CERTIFICATE
Department: Health Careers
The mission of the Medical Coding Certificate Program is to provide educational opportunities for learning fundamental concepts, knowledge, and skills in medical coding, to prepare for entry level careers in medical offices, hospitals, clinics, nursing homes, insurance companies and governmental agencies.

GOAL 1
Program graduate will demonstrate entry level coding skills needed for medical coders.
1. Students will demonstrate understanding of the basic coding concepts by assigning appropriate CPT codes, based on published coding guidelines.
2. Students will demonstrate understanding of the basic coding concepts by assigning appropriate ICD-10 codes based on published coding guidelines.

GOAL 2
Program graduates will demonstrate they have the ability to evaluate Health Record content and documentation.
1. Students will interpret health record documentation using knowledge of anatomy, physiology, clinical disease process, pharmacology and medical terminology to identify codable diagnoses and or procedures.
2. Students will determine when additional clinical documentation is needed to assign the diagnosis and/or procedure codes.

GOAL 3
Program graduates will demonstrate professional behavior by following the code of ethics for coding published by AHIMA.
1. Students will assign and report codes based on supporting documentation.
2. Students will protect confidentiality of the health record.

GOAL 4
Program graduates will demonstrate they are proficient in using software needed for coding.
1. Students will demonstrate the correct coding path in the encoder to arrive at the correct code assignment.
2. Students will consult reference materials in encoder to facilitate code assignments.

MEDICAL CORPSMAN TO LICENSED PRACTICAL NURSE CERTIFICATE
Department: Health Careers
The mission of the Medical Corpsman to Licensed Practical Nurse certificate is to provide the knowledge, skills, and abilities necessary to practice safely as a Licensed Practical Nurse.

GOAL 1
Graduates of the nursing program will demonstrate competency in skill performance as a licensed practical nurse.
1. Students will demonstrate safety in the administration of medications to include knowledge of the methods of administration to individuals across the lifespan, mode of action of commonly used classifications of drugs, anticipated side effects, possible adverse effects, and evaluation of patient response to medications used for common health problems.
2. Students will demonstrate safe performance of skills commonly delegated to the licensed practical nurse including collecting data and reporting patient responses relative to designated skills.

GOAL 2
Graduates of the program will communicate effectively to develop appropriate interpersonal relationships within the healthcare environment, in order to identify needs and coordinate patient care.
1. Students will collaborate with the registered nurse and other members of the health care team to organize and incorporate assessment data to plan/revise patient care and actions based on the established nursing diagnoses, nursing protocols, and assessment and evaluation data.
2. Students will participate in health teaching and counseling to promote, attain, and maintain the optimum health level of patients, as delegated.
3. Students will safely manage information technology related to communicating and providing patient care.
4. Students will collaborate with the patient/family and health care team in creating and maintaining a safe environment for the delivery of health care.
5. Students will effectively communicate with patients, families and members of the interdisciplinary health care team incorporating interpersonal and therapeutic communication skills.

GOAL 3
Graduates of the program will apply nursing knowledge and critical thinking to promote wellness and patient adaptation in health and/or illness.
1. Students will describe common issues and the role of the licensed practical nurse surrounding end of life care including symptom management, advanced directives, advocacy, artificial nutrition and hydration, communication, cultural implications, care of family/significant others, and grief and mourning to promote a respectful, peaceful death.
2. Students will promote function and health through managing care of patients/residents in a long term care setting based on an understanding of the normal aging changes and common elder concerns as loss, accidents, chronic illness, and caregiver stress.
3. Students will differentiate the approach of the licensed practical nurse to promoting and supporting the emotional, mental and social well-being of patients.
4. Students will provide rationale for judgements used in the provision of safe, quality care and for decisions that promote the health of patients within a family context.
5. Students will question the basis for nursing actions, considering research, evidence, tradition, and patient preferences.

GOAL 4
Graduates of the program will adhere to the standards of nursing practice, as outlined in the Illinois Nurse Practice Act.
1. Students will differentiate the scope of practice of the licensed practical nurse, as delineated in the Illinois Nurse Practice Act, from that of the corpsman and other members of the interdisciplinary health care team.
2. Students will demonstrate the role of the practical licensed nurse as a health care team member in utilizing the nursing process to address the health care needs of individuals/families across the life span and in a variety of settings.
3. Students will incorporate compassion; empathy; cultural awareness and sensitivity; and knowledge of growth and development, spirituality, socioeconomic status, and patient preferences in providing nursing care.
4. Students will demonstrate professional behaviors of account ability and professionalism according to the legal and ethical standards for a competent licensed practical nurse.
5. Students will promote the human dignity, integrity, self-determination, and personal growth of patients, oneself, and members of the health care team.
MISSION, GOALS, AND OUTCOMES

MEDICAL LABORATORY TECHNICIAN
AAS DEGREE
Department: Health Careers
The mission of the 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.

GOAL 1
Cognitive
Graduates will demonstrate specific knowledge and proficiency to practice at the entry level in a medical laboratory setting.
1. Outcome 1: Students will demonstrate competency on each of the major discipline in the medical laboratory technology.
2. Outcome 2: Students will effectively transition information and experiences learned in the program to performance on the National Board Certification Exam and employment situations.

GOAL 2
Psychomotor
The students will be able to apply learned theories to demonstrate necessary skills to perform as a medical laboratory technician as define in the Standard of Accredited Educational Programs of the Medical Laboratory Technician.
1. Outcome 1: Students will apply the learned discipline-specific theory to achieve a satisfactory assessment for each discipline during their clinical practicum in the medical laboratory settings.
2. Outcome 2: Graduates will meet employers’ expectations

GOAL 3
Affective
Students will communicate effectively in written, verbal, and non-verbal communication.
1. Outcome 1: Students will demonstrate professional conduct, communication, and interpersonal relations with laboratory personnel, patients, other health care professionals, and the public.
2. Outcome 2: Students will write a report on a clinical case study and present to class.

MEDICAL OFFICE ADMINISTRATIVE ASSISTANT
CERTIFICATE
Department: Health Careers
The mission of the Medical Office Administrative Assistant Program is to prepare students to be competent, entry-level medical office administrative assistants by educating them in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

GOAL 1
Graduates will demonstrate concepts of effective communication as an entry-level medical office administrative assistant.
1. Students will demonstrate professional telephone techniques.
2. Students will demonstrate recognition of importance of responding to nonverbal communication.
3. Students will demonstrate ability to report relevant information to the physician.

GOAL 2
Graduates will exhibit administrative skills necessary for an entry-level medical office administrative assistant.
1. Students will demonstrate competence in using an electronic healthcare software program.
2. Students will demonstrate competence in Basic Practice Finances & Third-Party Reimbursement.
3. Students will demonstrate competency in how to use the most current CPT & ICD coding systems.

GOAL 4
Graduates will model professional behavior appropriate for an entry-level medical office administrative assistant.
1. Students will describe the state’s legal scope of practice for a medical assistant.
2. Students will apply HIPAA rules in regard to release of information and patient confidentiality.

GOAL 5
Graduates will exhibit appropriate critical thinking skills necessary for an entry-level medical office administrative assistant.
1. Students will effectively evaluate the work environment to identify safe vs. unsafe working conditions.
2. Students will explain an evacuation plan for a physician’s office.
3. Students will apply appropriate principles of human anatomy and physiology.
MULTIMEDIA AAS DEGREE
Department: Arts and Communication

The mission of the Multimedia A.A.S. degree program is to prepare students for entry-level employment in the multimedia industry by educating them in the fundamental concepts, knowledge, computer and software proficiency, and creation of a professional portfolio.

GOAL 1
Graduates of the program will demonstrate the formal visual skills necessary in the multimedia industry.

1. Student will understand the concepts related to visual communication, specifically the visual, spatial, sound, motion, interactive and temporal elements of digital technology.
2. Student will be able to apply the principles for use of these concepts in the creation and application of digital media-based work.
3. Student will be able to demonstrate understanding of the narrative language structure for organizing content in time-based or interactive media and the ability to organize content structures in ways that are easily understood and responsive to diverse social and cultural systems.
4. Student will be able to apply useful, usable, effective and desirable design with respect to user/audience-centered digitally-based communication.
5. Student will be able to develop and coordinate digitally-based multimedia strategies (for example: storyboarding, concept mapping, scene and character development).

GOAL 2
Graduates of the program will have appropriate entry level technical skills in order to perform their job duties in the industry.

1. Student will be able to effectively use the various technologies and the hardware, software and peripherals required by the multimedia industry.
2. Student will be able to demonstrate the transformation of information into creative, conceptually appropriate multimedia solutions using industry-standard production software and hardware.

GOAL 3
Graduates of the program will demonstrate effective communication skills in multimedia.

1. Student will be able to make and defend critical judgments based on knowledge of historical and contemporary practice during classroom critiques.
2. Student will be able to demonstrate an understanding of professional presentation techniques including verbal and visual presentation.
3. Student will be able to show proficiency in the visual, verbal and written vocabularies of design.
4. Student will work in teams to organize collaborations among people with different skill sets and experience.

GOAL 4
Graduates of the program will be able to present themselves professionally through an online or video portfolio.

1. Student will create a professional-level portfolio, online or physical, to present their body of work to potential employers or to transfer institutions.
2. Student will develop a personal identity and professional presentation of résumé package materials (business card, résumé, envelope, and cover letter).

MULTIMEDIA CERTIFICATE
Department: Arts and Communication

The mission of the Multimedia Certificate program is to prepare students for entry-level employment in the multimedia industry by educating them in the fundamental concepts, knowledge, computer and software proficiency, and creation of a professional portfolio.

GOAL 1
Graduates of the program will demonstrate the formal visual skills necessary in the multimedia industry.

1. Student will understand the concepts related to visual communication, specifically the visual, spatial, sound, motion, interactive and temporal elements of digital technology.
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2. Student will develop a personal identity and professional presentation of résumé package materials (business card, résumé, envelope, and cover letter).
NETWORK ADMINISTRATOR AAS DEGREE
Department: Business, Hospitality, and Information Systems

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.

1. Students will exhibit the appropriate technical skills for an entry-level network administrator.
2. Graduates of the program will demonstrate an understanding of the technical knowledge to perform as an entry-level network administrator.
3. Graduates of the program will demonstrate the ability to use online materials when troubleshooting.

NETWORKING CERTIFICATE
Department: Business, Hospitality, and Information Systems

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.

1. Students will exhibit the appropriate technical skills for an entry-level network technician.
2. Graduates of the program will demonstrate an understanding of the technical knowledge to perform as an entry-level network technician.
3. Graduates of the program will demonstrate the ability to use online materials when troubleshooting.
NURSING ASSISTANT CERTIFICATE
Department: Health Careers
The mission of the Nursing Assistant Program is to provide the resources, curriculum, and clinical experiences to enable graduates to attain entry-level employment as nursing assistants in long-term care facilities, hospitals, and other health care settings.

GOAL 1
Graduates will demonstrate correct performance of basic nursing skills, personal care skills, and basic restorative skills.
1. Students will demonstrate proficiency in the 21 basic skills required per IDPH.
2. Students will demonstrate proficiency in taking vitals prior to clinical.

GOAL 2
Graduates will demonstrate professional behaviors.
1. Students will maintain a professional appearance in the clinical setting.
2. Students will be on time for class.
3. Students will maintain a positive attitude while improving skills in the clinical setting.

GOAL 3
Graduates will demonstrate knowledge of Nursing Assistant scope of practice.
1. Students will pass the State Exam.
2. Students will pass the Nursing Assistant Training course.

OCCUPATIONAL THERAPY ASSISTANT
Department: Health Careers
The mission of the Associate in Applied Science Occupational Therapy Assistant Degree Program at Illinois Central College is to effectively provide educational resources within theory, laboratory, and fieldwork experiences to prepare graduates for a successful career as an occupational therapy assistant.

GOAL 1
Graduates of the program will demonstrate an understanding and application of knowledge from the Occupational Therapy Practice Framework: Domain and Process, theory, models of practice and frames of reference utilized in the occupational therapy process.

GOAL 2
Graduates of the program will exhibit proficiency in the delivery of interventions to facilitate participation and enhance occupational performance across the lifespan.

GOAL 3
Graduates of the program will perform entry-level skills to practice as a generalist in a variety of traditional and emerging occupational therapy practice settings.

GOAL 4
Graduates of the program will effectively interact through written, oral and non-verbal communication with the client, family, significant others and the public in a professionally acceptable manner.

GOAL 5
Graduates of the program will model positive behaviors to promote effective interprofessional team collaboration.
OFFICE AND INFORMATION PROCESSING
MANAGEMENT CERTIFICATE
Department: Business, Hospitality, and Information Systems
The mission of the Office and Information Processing Certificate is to prepare employees to advance into office supervisory positions by providing necessary office and technological skills, human relations skills, and management skills.

GOAL 1
Graduates of the program will demonstrate technological skills needed in office supervisory positions.

1. Students will be able to construct basic mailable documents using current word processing software.
2. Students will be able to construct and interpret accurate workbooks using current spreadsheet software.
3. Students will be able to construct and utilize basic data bases using current database software.

GOAL 2
Graduates of the program will demonstrate or describe human relations attitudes and behaviors needed in office supervisory positions.

1. Students will be able to demonstrate or describe appropriate human relations attitudes.
2. Students will be able to demonstrate or describe appropriate human relations behaviors.

GOAL 3
Graduates of the program will demonstrate or describe management skills needed in office supervisory positions.

1. Students will be able to construct and interpret basic financial documents.
2. Students will be able to demonstrate or describe basic principles of managing resources.
3. Students will be able to describe the economic and legal environment in which businesses operate.

OFFICE PROFESSIONAL AAS DEGREE
Department: Business, Hospitality, and Information Systems
The mission of the Office Professional degree is to prepare students for entry-level employment by helping them develop the necessary office skills, technological skills, and human relations skills.

GOAL 1
Graduates of the program will demonstrate appropriate keyboarding skills for an entry-level office position.

1. Students will demonstrate accurate touch-typing skill and speed.
2. Students will demonstrate accurate 10-key skill and speed.

GOAL 2
Graduates of the program will demonstrate or describe appropriate procedural skills for an entry-level office position.

1. Students will be able to accurately complete basic journal entries in a double-entry bookkeeping system.
2. Students will be able to accurately manage office communications.
3. Students will be able to maintain and retrieve accurate office records.

GOAL 3
Graduates of the program will demonstrate technological skills needed for an entry-level office.

1. Students will be able to construct mailable documents using current word processing software.
2. Students will be able to construct and interpret accurate workbooks using current spreadsheet software.
3. Students will be able to construct and utilize basic data bases using current data base software.
4. Students will be able to construct basic presentations using current presentation software.

GOAL 4
Graduates of the program will demonstrate or describe appropriate human relations attitudes and behaviors needed for an entry-level office position.

1. Students will be able to demonstrate or describe appropriate human relations attitudes needed by entry-level office personnel.
2. Students will be able to demonstrate or describe appropriate human relations behaviors needed by entry-level office personnel.
PAGE LAYOUT CERTIFICATE
Department: Arts and Communication
The mission of the Page Layout certificate program is to prepare students for employment or upgrade existing job skills in the publishing industry by educating them in the fundamental concepts, knowledge, hands-on techniques, and skills ranging from traditional page layout for print as well as new electronic book formatting for eReaders/epubs devices.

GOAL 1
Graduates of the program will demonstrate knowledge of vector graphic creation.
1. Construct a graphic using the pen tool.
2. Identify the tools and shortcut keys.

GOAL 2
Graduates of the program will demonstrate basic knowledge of layout software.
1. Properly identify tools in the publishing software.
2. Demonstrate knowledge of publication content formatting using style sheets.

GOAL 3
Graduates will demonstrate professional behavior.
1. Students will use professional language during class presentations.
2. Students will work independently.

PARAMEDIC AAS DEGREE
Department: Health Careers
The mission of the Illinois Central College Emergency Medical Services Program is to prepare competent entry-level Emergency Medical Technician-Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains", with or without exit points at the Emergency Medical Technician-Intermediate, and/or Emergency Medical Technician-Basic, and/or First Responder levels. (mission statement as required by accrediting body)

GOAL 1
Students will acquire the knowledge necessary to gain employment.
1. Students will exhibit an understanding of the fundamental concepts of emergency medical care.
2. Students will successfully complete a final cumulative knowledge-based examination.
3. Students will successfully complete the certification/licensure examination.

GOAL 2
Students will demonstrate healthcare team leadership skills.
1. Students will be awarded "team leader" designation in excess of the minimum requirements during the field clinical experience of the program.
2. Students will serve as a "team leader" and direct patient care during their field clinical experience.
3. Students will demonstrate and direct management of patient care prior to challenging the certification/licensure examination.

GOAL 3
Students will acquire and develop the psychomotor skills required of an entry-level Paramedic.
1. Students will successfully complete the psychomotor cumulative evaluation prior to challenging the certification/licensure examination.
2. Students will achieve and demonstrate competency in all psychomotor patient skills.
PHLEBOTOMIST CERTIFICATE
Department: Health Careers
The mission of the Phlebotomist Program is to prepare its students to properly and safely perform micropunctures and venipunctures in a professional manner by providing the resources, curriculum, and clinical experiences to its students.

GOAL 1
Cognitive Graduates will demonstrate specific knowledge and proficiency to practice in a blood collection center.
1. Outcome 1: Students will demonstrate competency in phlebotomy prior to beginning their clinical practicum.
2. Outcome 2: Students will demonstrate knowledge of current venipuncture and micropuncture practice, and safety in a medical laboratory, and proficiency to practice at a phlebotomist

GOAL 2
Psychomotor The students will be able to apply learned theories to demonstrate necessary skills to perform venipuncture and micropuncture during their clinical practicum.
1. Outcome 1: Students will apply the learned discipline-specific theory to achieve a satisfactory assessment during their clinical practicum in collection center.
2. Outcome 2: Students will successfully perform the minimum required collections at the end of the clinical practicum.

GOAL 3
Affective - Students will communicate effectively in written, verbal, and non-verbal communication.
1. Outcome 1: Students will demonstrate professional conduct, communication, and interpersonal relations with laboratory personnel, patients, other health care professionals, and the public.

PHOTOVOLTAIC INSTALLER CERTIFICATE
Department: Agricultural & Industrial Technologies
The mission of the Photovoltaic Installer Certificate program is to prepare students for technical positions in the expanding field of Photovoltaics by educating them in the fundamental concepts, knowledge, and skills required of a Photovoltaic Installer.

GOAL 1
Graduates of the Solar Photovoltaic Installer Certificate program will exhibit an understanding of technical knowledge required of an entry-level Solar Photovoltaic Installer.
1. Explain how a site survey helps prepare the installer for a successful installation.
2. Identify components and tools used in the installation process.

GOAL 2
Graduates of the program will demonstrate skills proficiency in the areas of site surveys, installation and commissioning.
1. Demonstrate the proper use of tools and test equipment.
2. Demonstrate correct roof penetration techniques.

GOAL 3
Graduates of the program will have a general understand and appreciation for safety within renewable energy work setting.
1. Explain the necessity for safe work practices in performance of job-specific tasks.
2. Explain the attributes for working effectively in group settings.
PHYSICAL THERAPIST ASSISTANT AAS DEGREE

Department: Health Careers

The mission of the Physical Therapist Assistant (PTA) Program is to provide the knowledge and skills and develop attitudes which prepare graduates to function as an entry-level PTA who will work under the direction and supervision of the physical therapist.

GOAL 1
Students will demonstrate competency in skill performance as an entry-level PTA.
1. Students will demonstrate competency with classroom theory and practical skills to progress to clinical courses.
2. Sophomore students will demonstrate retention of freshman-year theory and skills application.
3. Students will pass the skills-checklist in PTA courses with a lab component.
4. Students will score entry-level performance with the final clinical course, Clinical 3 (PHTA 232).

GOAL 2
Students will adhere to ethical standards as outlined in the APTA's Code of Conduct for the PTA.
1. Students will demonstrate ethical and professional behaviors in the clinical setting.
2. Students will demonstrate knowledge of the Code of Ethics for the PTA.
3. Students will apply Code of Ethics to clinical case studies.

GOAL 3
Students will be aware of cultural and individual difference in providing patient care.
1. Students will understand the concepts related to culture in the patient-care setting.
2. Students will provide quality patient care regardless of individual and/or cultural differences.

GOAL 4
Students will apply the knowledge and critical thinking skills to provide physical therapy treatments in a safe manner.
1. Students will be safe when providing physical therapy interventions in the clinical setting.
2. Students will provide a rationale when a treatment should be withheld or modified based on patient response.
3. Students will demonstrate safety with therapy interventions in the lab setting prior to progressing to clinical courses.

GOAL 5
Students will develop a plan for lifelong learning for professional growth after program completion.
1. The student will develop a 1, 3, and 5-year plan for professional development.
2. Students will appreciate the value of continuing education courses and application to clinical practice.

PRINTING CERTIFICATE

Department: Arts and Communication

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

GOAL 1
Graduates will demonstrate professional behavior.
1. Students will use professional language during class presentations.
2. Students will work be able to independently with safe behavior.

GOAL 2
Graduates of the program will demonstrate knowledge lithography.
1. Demonstrate press adjustment for color registration on a two color print job.
2. Explain use of RIP software for plate output.

GOAL 3
Graduates of the program will demonstrate knowledge of flexography.
1. Explain the process of creating a flexography plate.
2. Demonstrate the process of properly plate mounting onto the printing cylinder.
PRODUCTION WELDER CERTIFICATE
Department: Agricultural & Industrial Technologies
The mission of the Production Welder certificate program is to prepare students with the knowledge and skills pertaining to gas metal arc welding processes for employment as an entry-level welder in a manufacturing facility.

GOAL 1
Graduates will accurately produce the correct size weld(s) in the specified locations and meet the engineering requirements using the Gas Metal Arc Welding, GMAW (MIG) process.
1. Student will produce required MIG welds as specified and the welds will pass inspection.
2. Student will produce simple fabrication that follows dimensions.

GOAL 2
Graduates will demonstrate safe practices within the manufacturing setting.
1. Students will practice safe habits in the welding lab.
2. Students will demonstrate that they understand all OSHA safety rules.

GOAL 3
Graduates will communicate the processes for setting up the machine and apparatus to weld as well as the proper welding motion and characteristics of good weld.
1. Students will communicate their mastery of basic production welding setup and operation.
2. Students will describe welding discontinuities.

RADIOGRAPHER AAS DEGREE
Department: Health Careers
The mission of the Radiographer Program is to prepare competent entry-level radiographers to function within the healthcare community.

GOAL 1
Students will be clinically competent.
1. Students will apply radiographic positioning skills.
2. Students will demonstrate principles of radiation protection.
3. Students will select appropriate technical factors.

GOAL 2
Students will demonstrate communication skills.
1. Students will use effective oral communications skills.
2. Students will practice written communication skills.

GOAL 3
Students will develop critical thinking skills.
1. Students will demonstrate sound decision making.
2. Students will appropriately evaluate images.
3. Students will adapt positioning for non-routine procedures.

GOAL 4
Students will model professionalism.
1. Students will demonstrate professional qualities.
2. Students will understand professional ethics.

Goal 5
The program will graduate entry-level radiographers.
1. Graduates will successfully write the ARRT certification exam.
2. Of those pursuing employment, graduates will be employed within 12 months of program completion.
**REGISTERED NURSE AAS DEGREE**

Department: Health Careers

The mission of the Associate in Applied Science Registered Nurse degree is to effectually provide educational resources within theory, laboratory, and clinical experiences to prepare graduates for a successful professional nursing career as a Registered Nurse.

**GOAL 1**

Graduates of the nursing program will demonstrate competency in skill performance as a registered nurse.

1. Students will demonstrate nursing skills based on application of scientific and theoretical knowledge in the health skills lab setting prior to performing skills in clinical setting.
2. Students will demonstrate nursing skill competency while caring for patients in the clinical setting.

**GOAL 3**

Graduates of the program will communicate effectively to develop appropriate interpersonal relationships within the healthcare environment.

1. Students will verbally communicate effectively with patient, family and healthcare team.
2. Students will communicate application of theoretical knowledge of patient care via verbal, electronic and written means.

**GOAL 4**

Graduates of the program will apply nursing knowledge and critical thinking to promote wellness and patient adaptation in health and/or illness.

1. Students will utilize critical thinking skills to analyze patient situations and respond appropriately within the clinical setting.
2. Students will utilize the nursing process to individualize holistic care within the clinical setting.
3. Students will apply principles of legal/ethical nursing practice within the clinical setting.
4. Students will teach concepts of wellness, health, and illness while acknowledging the diversity of patients, families, and/or significant others.

**RESPIRATORY THERAPIST AAS**

Department: Health Careers

The mission of the Respiratory Therapist Program is to prepare graduates to enter the professional practice of respiratory care by providing the resources, curriculum, and clinical experiences to assume primary clinical responsibilities for respiratory care modalities.

**GOAL 1**

Graduates will comprehend, apply and evaluate clinical information relevant to the roles of advanced-level respiratory therapists.

1. Students will demonstrate the ability to apply clinical information to complex scenarios by passing at least twenty two mock clinical simulation exams.
2. Students will complete a clinical case study and receive a score of at least an 84%.
3. Students will score at the "Certified" level on the Mock Therapist Multiple Choice Exam.

**GOAL 2**

Graduates will demonstrate technical proficiency in all skills necessary to fulfill their roles as emerging advanced-level respiratory therapists.

1. Students will demonstrate mechanical ventilator proficiency.
2. Freshman students will pass an assessment of student learning of artificial airways and adjuncts.
3. Sophomore students will pass the ACLS Mega code on the first attempt.

**GOAL 3**

Graduates will display professional behavior consistent with employer expectations of professional respiratory therapists.

1. Students are able to describe hospital employer expectations.
2. Freshman and sophomore students will not be absent or late for assigned clinical rotations.
RESTAURANT MANAGEMENT AAS DEGREE
Department: Business, Hospitality, and Information Systems
The Mission of the Restaurant Management AAS Degree program is to prepare students for employment in the field by educating them in the fundamental concepts, knowledge, and hands-on techniques and skills of the restaurant industry.
GOAL 1
Graduates will have appropriate culinary math knowledge in order perform calculations necessary in the industry.
1. Students will be able to demonstrate proficiency in recipe adjustment.
2. Students will be able to demonstrate proficiency in recipe costing.
GOAL 2
Graduates will demonstrate application of knowledge of management principles.
1. Students will apply management knowledge to front of the house operations and service techniques.
2. Students will complete a menu and marketing plan.
GOAL 3
Graduates will model professional behaviors appropriate for an entry level culinarian.
1. Students will demonstrate cooperative learning and engagement when working with their peers in group projects.
2. Students will demonstrate professional demeanor by following the Culinary Arts Policies and Procedures in regards to uniforms and grooming guidelines.

SMALL BUSINESS MANAGEMENT CERTIFICATE
Department: Business, Hospitality, and Information Systems
The mission of the Small Business Management certificate is to provide students with a background in business organization and operations, as well as management training, necessary for advancement to supervisory positions in small businesses.
GOAL 1
Graduates will understand the role of marketing, management, and accounting practices and theory in the operation of a small business.
1. The student will demonstrate an understanding of the four functions of management.
2. The student will develop an understanding of marketing as it operates in a small business.
3. The student will be able to understand basic accounting principles used in business operations.
GOAL 2
Graduates will be able to demonstrate best business practices in management.
1. The student will be able to analyze workplace problems and formulate potential solutions using the scientific method.
2. The student will create a business plan which incorporates the different facets of involved in the start-up operations of a small business.
GOAL 3
Graduates will demonstrate knowledge of human resource management.
1. The student will cultivate a positive attitude which influences stakeholders of the business.
2. The student will increase knowledge of theories and practices related to personnel management.
SOLAR THERMAL HEATING SYSTEMS
Department: Agricultural & Industrial Technologies
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.

GOAL 1
Graduates will demonstrate an understanding of the technical knowledge of solar thermal heating principles.
1. Students will identify and describe the functions of system components in a solar domestic hot water system/solar thermal space heating system.
2. Students will demonstrate technical knowledge of sizing piping, pumps, heat storage, heat exchangers, expansion tanks, and solar collectors.

GOAL 2
Graduates will demonstrate the skills appropriate for an entry level solar thermal technician/designer.
1. Students will demonstrate and describe installation techniques of residential solar domestic hot water/solar thermal space heating systems.
2. Students will demonstrate and describe the procedures for measuring, cutting, joining, and supporting copper piping.
3. Students will demonstrate and describe the procedures of mounting solar collectors on a roof.

GOAL 3
Graduates will demonstrate ethical/legal work practices and work safety standards appropriate for an entry level solar thermal technician/designer.
1. Students will demonstrate and describe ladder and fall prevention safety procedures in accordance to OSHA 29 CFR 1910.
2. Students will demonstrate and describe lockout/tagout safety procedures for control of hazardous energy sources in accordance to OSHA 29 CFR 1910.
3. Students will demonstrate and describe how to maintain strict compliance with all federal, state, county, and municipal laws, regulations, and ordinances pertaining to the solar thermal industry and business operations.

WEB DESIGNER CERTIFICATE
Department: Business, Hospitality, and Information Systems
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.

Goal 1
Graduates of the program will demonstrate the knowledge and proficiency to create simple, static responsive websites with meaningful content and multimedia.
Student Learning Outcomes
2. Demonstrate the ability to create (and deploy) audience appropriate content and multimedia to achieve the objectives of the website.
3. Describe the basic functionality, protocols, and tools of the internet.

Goal 2
Graduates of the program will demonstrate the application of universal accessibility and usability principles when creating web sites.
Student Learning Outcomes
1. Use modern tools to validate web pages and confirm they are accessible and usable.
2. Use current tools and techniques to verify the site displays in various devices and scales appropriately.

Goal 3
Graduates of the program will have an understanding of the techniques to properly utilize social media in a business environment.
Student Learning Outcomes
1. Create social media policy for business
2. Utilize social media to effectively communicate between the business and their customers.
WEB DEVELOPER CERTIFICATE

Department: Business, Hospitality, and Information Systems

The mission of the Web Developer Certificate program is to instruct students in the practice of programming and scripting of websites for business and industry by providing hands-on experience in interfacing web applications with legacy applications.

Goal 1

Graduates of the program will demonstrate the knowledge and proficiency to create dynamic, responsive websites and applications utilizing modern best practices, tools and techniques on both the client and server sides.

Student Learning Outcomes

2. Demonstrate the ability to create (and deploy) audience appropriate content, interactions and multimedia to achieve the objectives of the website.
3. Describe the basic functionality, protocols, and tools of the internet.

Goal 2

Graduates of the program will employ security best practices to protect websites against malicious intrusions and exploitation.

Student Learning Outcomes

1. Demonstrate an understanding of common attack vectors.
2. Utilize secure programming techniques when creating (and maintaining) websites.

WEB SYSTEMS AAS DEGREE

Department: Business, Hospitality, and Information Systems

The mission of the Web Systems program of study is to prepare students for employment as a web professional by educating them in the skills and knowledge needed to maintain corporate intranet, extranet, and internet web sites.

Goal 1

Graduates of the program will demonstrate the knowledge and proficiency to create dynamic, responsive websites and applications utilizing modern best practices, tools and techniques on both the client and server sides.

Student Learning Outcomes

1. Create dynamic websites, including ecommerce sites, using modern best practices.
2. Demonstrate the ability to create (and deploy) audience appropriate content, interactions and multimedia to achieve the objectives of the website.
3. Describe the basic functionality, protocols, and tools of the internet.
4. Demonstrate the ability to properly configure a web hosting environment.

Goal 2

Graduates of the program will employ security best practices to protect websites against malicious intrusions and exploitation.

Student Learning Outcomes

1. Demonstrate an understanding of common attack vectors.
2. Utilize secure programming techniques when creating (and maintaining) websites.

Goal 3

Graduates of the program will demonstrate the application of universal accessibility and usability principles when creating web sites.

Student Learning Outcomes

1. Use modern tools to validate web pages and confirm they are accessible and usable.
2. Use current tools and techniques to verify the site displays in various devices and scales appropriately.

Goal 4

Graduates of the program will have an understanding of the techniques to properly utilize social media in a business environment.

Student Learning Outcomes

1. Create social media policy for business.
2. Utilize social media to effectively communicate between the business and their customers.
WEBMASTER CERTIFICATE

Department: Business, Hospitality, and Information Systems

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.

Goal 1

Graduates of the program will demonstrate the knowledge and proficiency to create simple, static responsive websites with meaningful content and multimedia.

Student Learning Outcomes

2. Demonstrate the ability to create (and deploy) audience-appropriate content and multimedia to achieve the objectives of the website.
3. Describe the basic functionality, protocols, and tools of the internet.

Goal 2

Graduates of the program will employ security best practices to protect the network and websites against malicious intrusions and exploitation.

Student Learning Outcomes

1. Demonstrate an understanding of common attack vectors (for both servers and networks).
2. Demonstrate the ability to harden servers and networks according to industry best practices.

Goal 3

Graduates of the program will demonstrate the knowledge and proficiency to install, configure, and maintain the server environment.

Student Learning Outcomes

1. Demonstrate an understanding of alternative server configurations (and know which is best for which type of application).
2. Demonstrate an understanding of how to install and configure the network environment and associated devices.

WEB RICH INTERNET APPLICATION DEVELOPER CERTIFICATE

Department: Business, Hospitality, and Information Systems

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.

Goal 1

Graduates of the program will demonstrate the knowledge and proficiency to create dynamic, responsive websites and applications utilizing modern best practices, tools and techniques on both the client and server sides.

Student Learning Outcomes

2. Demonstrate the ability to create (and deploy) audience-appropriate content, interactions and multimedia to achieve the objectives of the website.
3. Describe the basic functionality, protocols, and tools of the internet.

Goal 2

Graduates of the program will employ security best practices to protect websites against malicious intrusions and exploitation.

Student Learning Outcomes

1. Demonstrate an understanding of common attack vectors.
2. Utilize secure programming techniques when creating (and maintaining) websites.

Goal 3

Graduates of the program will demonstrate the knowledge and proficiency to develop websites and applications which function like desktop applications.

Student Learning Outcomes

1. Utilize modern programming techniques and platforms to create websites and applications with desktop application functionality.
2. Utilize modern programming techniques when communicating between client and server asynchronously (and securely).
WELDING OPERATOR CERTIFICATE
Department: Agricultural & Industrial Technologies
The Welding Operator certificate program prepares students with entry-level skills in the major commercial welding processes, SMAW and GMAW. With welding skills in both processes, completers of the Welding Operator certificate might seek entry level welder positions in the construction as well as the manufacturing industry.

GOAL 1
Graduates will accurately produce the correct size weld(s) in the specified locations and meet the engineering requirements using the Gas Metal Arc Welding, GMAW (MIG) and the Shielded Metal Arc Welding, SMAW (stick) processes.
1. Student will produce required MIG welds as specified and the welds will pass inspection.
2. Student will produce simple MIG fabrication that follows dimensions.
3. Student will produce required STICK welds as specified and the welds will pass inspection.
4. Student will produce simple Stick fabrication that follows dimensions.

GOAL 2
Graduates will demonstrate safe practices within the manufacturing setting.
1. Student will practice safe habits in the welding lab.
2. Student will demonstrate that they understand all OSHA safety rules.

GOAL 3
Graduates will communicate the processes for setting up the machine and apparatus to weld as well as the proper welding motion and characteristics of good weld.
1. Graduates will communicate their mastery of basic production welding setup and operation using GMAW processes.
2. Graduates will communicate their mastery of basic welding setup and operation using SMAW processes.

WELDING SPECIALIST CERTIFICATE
Department: Agricultural & Industrial Technologies
The mission of the Welding Specialist certificate program of study is to develop entry level welders for industry with skill in major commercial welding processes capable of part layout, inspection, and process troubleshooting.

GOAL 1
Graduates will accurately produce the correct size weld(s) in the specified locations and meet the engineering requirements using the Gas Metal Arc Welding, GMAW (MIG), the Shielded Metal Arc Welding, SMAW (stick), Gas Tungsten Arc Welding, GTAW (TIG) processes.
1. Student will produce required MIG welds as specified and the welds will pass inspection.
2. Student will produce required SMAW welds as specified and the welds will pass inspection.
3. Student will produce required GTAW (TIG) welds as specified and the welds will pass inspection.
4. Student will produce complex fabrications that follows dimensions and specifications using the GMAW, GTAW, and SMAW processes.

GOAL 2
Graduates will demonstrate safe practices within the manufacturing setting.
1. Student will practice safe habits in the welding lab.
2. Student will demonstrate that they understand all OSHA safety rules.

GOAL 3
Given a blueprint and engineering specifications, graduate will be able to fabricate a weldment that meets the design requirements by appropriately using a combination of layout, machining, welding, and precision measuring skills.
1. Students will produce fabrication, within specified tolerances.
2. Student will safely and appropriately operate machine shop tools to machine components as required.

GOAL 4
The welding specialist will be able to troubleshoot the process and determine if the problem lies with technique, power supply settings or operation, or shielding gas and make or suggest remediation or repairs to correct the process.
1. Student will properly troubleshoot the operation of power supplies and recommend adjustments or repairs.
2. Student will properly troubleshoot the operation of welding apparatus and recommend adjustments or repairs.
WELDING TECHNOLOGY AAS DEGREE

Department: Agricultural & Industrial Technologies

The mission of the Welding Technology Associate’s Degree program is to prepare graduates for employment as a Weld Technician in a manufacturing or construction business. During this full-time two year program the graduate will develop the technical skills to be a competent welder as well as the education to be a contributor to the production team.

GOAL 1

Students display general behavior and attitudes expected of an entry-level production team member by a manufacturing, construction, agricultural or fabrication oriented business.

Upon completion of the degree, the student will be able to:

1. Demonstrate positive attitudes and acceptable behaviors for such things as reporting to work regularly and on time, working in a team, honesty, quality-minded, and no tolerance for waste.
2. Follow all prescribed safety rules including the wearing of personal protection devices, properly using lifting tools to move equipment & supplies, following lockout/tagout procedures, and site specific requirements.
3. Use rulers, gauges, and precision measuring tools to properly identify sizes and locations of part features and sizes of welds.
4. In both written and oral communication, the student will communicate in a formal manner that expected of supervisors or mid-level managers.

GOAL 2

Graduates will competently perform a full range of specified welding tasks using the MIG, stick, and TIG processes including designing and repairing weldments.

1. Perform welds on various joints in the flat, horizontal, and vertical positions using the SMAW with multiple electrodes.
2. Perform welds on various joints in the flat, horizontal, and vertical positions using the GMAW process with multiple electrodes.
3. Perform welds on various joints in the flat, horizontal, and vertical positions using the GTAW process with multiple electrodes.
4. Troubleshoot system programming, electrical, mechanical, and shielding gas systems and make repairs.
5. Fabricate and/or troubleshoot “good” weldments based on blueprints and technical literature as well as communicate the specifications in terms of tolerances and allowances.

GOAL 3

Graduates will demonstrate safe practices within the manufacturing setting.

1. Practice safe habits in the welding lab.
2. Demonstrate that they understand all OSHA safety rules.

GOAL 4

Given a blueprint and engineering specifications, graduate will be able to design and fabricate a weldment that meets the design requirements by appropriately using a combination of layout, machining, welding, and precision measuring skills

1. Produce fabrication, within specified tolerances.
2. Safely operate machine shop tools to machine components as required.
3. Produce a weldment design along with workholding requirements and inspection guidelines and devices.

GOAL 5

The welding specialist will be able to troubleshoot the process and determine if the problem lies with technique, power supply settings or operation, or shielding gas and make or suggest remediation or repairs to correct the process.

1. Troubleshoot the operation of power supplies and recommend adjustments or repairs.
2. Troubleshoot the operation of welding apparatus and recommend adjustments or repairs.
3. Compare and select welding processes to optimize the fabrication of assemblies, sub-assemblies, and discrete parts
4. Analyze automation systems for correct operation and programming of parts from industrial prints.
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Academic Honors

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

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

Effective Fall 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 may also be recognized at commencement.

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

Academic Misconduct

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

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

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

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

Obtaining an examination prior to its administration or use of unauthorized 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 of the student or 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 to a 2.00, they will be removed from the process and return to Academic Good Standing.

Academic Caution
The purpose of academic caution is to alert students that their grades do not meet minimum requirements. A second and equally important purpose is to provide students an opportunity to plan corrective actions, which will hopefully lead to a more successful academic career. Information regarding academic advisement services is available in the Advisement and Counseling Services Office, located in the Leitch Career Center. Students on Academic Caution are restricted to a maximum enrollment of 13.99 credit hours. If a student’s cumulative grade point average does not raise above a 2.00 within one semester, the student will be placed on academic pre-suspension.

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

Academic Suspension
A student that fails to meet the 2.00 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 2.00 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 2.00 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 ICC may be audited. A student that audits a course is a non-participating listener in a course and is not required to take tests or complete assignments. The student receives no grade or notation on a transcript relative to the audited course.

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

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

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

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

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

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

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

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

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” grades earned in graded college level courses at Illinois Central College will be excluded.
Grading System

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Definition</th>
<th>Grade Points</th>
</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 through the midterm of the class then ceases to attend for the duration of the term. The FA grade factors into the student’s GPA as a grade of “F”.</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 on the permanent record to the appropriate letter-grade.</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>

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></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>Total</td>
<td>15</td>
<td></td>
<td>46</td>
</tr>
</tbody>
</table>

GPA = $\frac{46}{15} = 3.066$

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. Courses taken at Illinois Central College are retaken at this institution according to specified retake procedures, both grades appear on the transcript but only the higher grade will be included in the GPA computation. Questions regarding GPA should be referred to Enrollment Services at the East Peoria Campus, L211, (309) 694-5581.

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

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

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

Application forms for grade exclusion may be obtained and submitted to any Enrollment Services office. All graduation items are processed through the East Peoria Enrollment Services office, L211, East Peoria Campus.

THIS POLICY DOES NOT PRECLUDE ADMISSION/RE-ADMISSION REQUIREMENTS IN OTHER COLLEGE ACADEMIC PROGRAMS.
Transcript Requests
East Peoria Campus • L211 • (309) 694-5609
Thomas Building, Downtown Peoria • (309) 999-4500
Arbor 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 through your eServices account. Once you login to your eServices account, select “Main Menu” and then “Self Service.” You will then select “Academic Records” and “Secure Transcript.” This will take you to our secure ordering site to complete your transcript order. The cost is $5 per transcript.

In situations where a transcript is necessary for immediate use, one may be provided within an hour for a $5 per copy fee. This service is available 8:30 am-3:00 pm Monday through Friday at Enrollment Services, L211, East Peoria Campus only.

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

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

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

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

To participate in the Student Development Transcript Program, contact the Student Life Office, 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 not in good academic standing, even if he/she meets the NJCAA eligibility requirements, unless approval is granted by the Vice President of Student Services. The minimum number of credit hours in which a student must be enrolled is determined by the organization governing the competition.

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 328.

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

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

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

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

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

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

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

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

Educational Records
Educational records are all records that contain information directly related to a student and are maintained by an educational agency or institution, or by a party acting on its behalf. A record means any information recorded in any way, including handwriting, print, tape, film, microfilm, microfiche, and digital images. Educational records may include semester grades, GPA, tuition and fee information, financial aid information, birthdate, disciplinary actions, and other personally identifiable information (PII.)

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

A more complete guide to FERPA for students, including references to statutes and additional clarifications:
2.ed.gov/policy/gen/guid/fpco/ferpa/students.html
# Student Policies and Procedures

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Residency Requirements

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

RESIDENCY STATUSES:

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

Out-of-District Resident: A student that graduated from a high school outside of District 514 or has legal residency outside of District 514 at the time of application to Illinois Central College will be classified as an Out-of-District student. Students dependent upon a person whose permanent residence is outside of District 514 but within the state of Illinois are considered to be Out-of-District. However, the Out-of-District tuition rate may be adjusted based on the employment status of the student or the individual claiming the student. Please contact Enrollment Services at (309) 694-5600 or in Room L211 to discuss your situation.

Out-of-State Resident: A student that graduated from a high school outside the state of Illinois or has legal residency outside the state of Illinois at the time of application to Illinois Central College will be classified as an Out-of-State student. However, the Out-of-State tuition rate may be adjusted based on the employment status of the student or the individual claiming the student. Please contact Enrollment Services at (309) 694-5600 or in Room L211 to discuss your situation.

Out-of-Country Resident: A student that is not a legal permanent resident of the United States as defined by the Immigration and Naturalization Service (INS) will be classified as an Out-of-Country student. Dependents of foreign employees working full-time within District 514 will be classified as an Out-of-Country student. However, the Out-of-Country tuition rate may be adjusted based on the employment status of the individual claiming the student. Please contact Enrollment Services at (309) 694-5600 or in Room L211 to discuss your situation.

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

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

Illinois Central College #514 District Map

ICC District – city/town plus zipcode

Alta 61615 Edwards 61518 La Fayette* 61449 Peoria Heights 61616
Armitage* 61721 El Paso* 61378 La Rose* 61541 Princeville 61559
Bartholet* 61607 Eldorado 61539 Laron 61540 Roanoke 61561
Benson 61516 Eureka 61320 Laura 61541 Rome* 61562
Bradford* 61421 Farmington* 61531 Lospiro 61545 San Jose* 62682
Brinfield 61517, 61518 Flanagan* 61740 Mackinaw 61755 Secor* 61771
Camp Grove 61424 Forest City 61532 Manito 61546 South Pekin 61564
Carlock* 61735 Grassford 61533 Mapleton 61547 Selandia 61565
Castleton* 61426 Goodfield* 61742 Metamora 61548 Sper 61479
Chillicothe 61523 Green Valley 61524 Miner* 61759 Tolula 61369
Congerville 61729 Gridley* 61744 Minonk 61790 Toulon* 61483
Creve Coeur 61610 Groveland 61535 Morton 61550 Tremont 61568
Danvers* 61732 Hanna City 61536 Mowbridge 61502 Tivoli 61569
Deer Creek 61733 Henry 61537 Peck 61554, 55, 58 Varna* 61375
Delavan 61734 Hopkins* 61747 Peoria 61601, 02, 03, 04 Washburn 61570, 61571
Dunlap 61525 Hopewell 61565 04, 05, 06, 07 Washington 61571
East Peoria 61611, 61635 Kickapoo 61528 11, 12, 13, 15 Winona* 61377
Edenfield 61526 Kingston Mines 61539 32, 33, 34, 36 West Peoria 61604
* schools split among two districts
41, 43, 44, 50 37, 38, 39, 40 51, 52, 53, 54 55, 56

ICC District – city/town plus zipcode
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, to have completed any assessment testing or provide results of ACT/SAT tests, to provide a transcript including all completed coursework from the current school, and to provide additional information as indicated on the form. Once the documentation is provided, an appointment can be made by calling the Vice President of Student Services at (309) 694-8971. It is recommended that the petition be made a minimum of 2 weeks prior to the course start date.

PROCESS:

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

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

Evaluation of Transfer Credit

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

Once completed, a student's transcript evaluation summary will be available to view in the student's eServices account.

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

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

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

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

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

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

Credit For Prior Learning

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

- Military credit (see below)
- CLEP exams (see Testing Center, page 356)
- Advanced placement exams (see Testing Center, page 356)
- Dual credit (see page 350)
- Transfer credit (see page 335)
- Departmental proficiency exams (see Testing Center, page 356)

**College Credit by Examination**

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

**Credit For Service and Education in the Armed Forces**

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

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

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

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

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

(Reference Public Law 102-127)

To ensure maximum veteran education benefits, please contact the ICC Veterans Affairs at (309) 694-5560 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**

Schedules are online at icc.edu

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

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

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

**FULL-TIME STUDENT**

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

**PART-TIME STUDENT**

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

Maximum Load

The recommended maximum load for a student during an academic semester is 16 credit hours, unless the program of study requires a number of hours in excess of 16. The recommended maximum load for summer is 9 credit hours. Prior to enrolling for more than 18 credit hours during a semester (or for more than nine credit hours during the regular summer session) permission MUST be obtained from the dean/associate dean in the student's curriculum area. Students with less than a “B” (3.0) grade average are discouraged from attempting more than 18 credit hours. Students on academic caution, academic pre-suspension, or re-admitted suspended students, and students in certain programs may be limited to a lesser number of hours. Since study time of two hours is normally required for each lecture hour of class, students carrying a full-time course schedule should be employed no more than 10 to 15 hours per week. In most cases, employment in excess of 15 hours per week should be accompanied by corresponding reduction of course schedule.

Withdrawal from Classes

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

Withdrawals are accepted online, by mail, fax, or in person at the East Peoria Campus (L211); Downtown Peoria; ICC North, Arbor Hall; or ICC Pekin. You cannot withdraw from a class via phone. If you experience problems when trying to withdraw online, you must contact the ICC Help Desk within 24 hours of your attempt so that we may research the problem. Call the ICC Help Desk at (309) 694-5457 or e-mail enroll@icc.edu. If you do not make this contact, your situation will be handled in accordance with the current ICC enrollment policies.

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

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

MAILED OR FAXED WITHDRAWALS

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

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

LATE WITHDRAWALS

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

WITHDRAWAL FOR NON-ATTENDANCE

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

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

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

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

Retaking 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 Retaking Coursework section on page 347 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.

Grade Appeal Process (Approved May, 2015)

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

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

**Informal Appeal**

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

3. The student and instructor may schedule a time to meet to discuss the grade issue or correspond by email or phone to determine if the issue can be resolved informally. If the issue is not resolved through this process, the student can request a formal review. A student must complete the informal appeal process before moving to the formal process. If an extenuating circumstance exists that prevents this informal process, the student must contact the Department Dean/Associate Dean or the Vice President of Student Services.

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

1. The student must request a Grade Appeal form from the Vice President of Student Services (VPSS) office (East Peoria Campus - L220.) The student must submit the Grade Appeal form, along with supplemental evidence to support the appeal. The form and supporting documents must be submitted to the Academic Department Office within five (5) business days (except in extraordinary circumstances) of the completion of the informal process.
   a. Upon receipt of the completed Grade Appeal form and supporting evidence, the academic department will schedule a meeting between the student, the course instructor and the Department Dean/Associate Dean. The Dean/Associate Dean will serve as the mediator for the meeting.
   b. In situations involving an objection to a face-to-face meeting, the student or instructor can request to meet separately with the Department Dean/Associate Dean.
   c. The Department Dean/Associate Dean will provide written notice of the resolution to both the student and instructor, via ICC email, within 3 business days of the meeting.

2. If the issue is not resolved through step 4, the student may request a formal review by the Grade Appeal committee.
   a. Within five (5) business days of receipt of the emailed resolution from Department Dean/Associate Dean, the request for the grade appeal review must be made through the Vice President of Student Services.
   b. The Vice President of Student Services will notify the co-chairs of the Academic Standards Committee to convene the formal review by the Grade Appeal committee.
   c. The student and the faculty member are encouraged to provide a written summary and documented evidence supporting his or her position to the contact person above a minimum of two (2) business days in advance of the scheduled date of the Grade Appeal Committee. Only written materials submitted in advance will be considered by the Appeal Committee.

3. The Grade Appeal committee is comprised of a subset of members from the Academic Standards Committee. The Grade Appeal committee will include a minimum of one (1) administrator and two (2) faculty members, with at least one faculty from the academic department from which the appeal originated. If an available academic department representative is not available, a designee from the Faculty Senate can be appointed.

4. The Grade Appeal Committee will review the documentation and make a determination regarding the appeal. The Grade Appeal Committee may request additional information as needed. The decision of this committee is final.

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

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

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**
- Lewis and Clark Community College

**Carl Sandburg College**
- Lincoln Land Community College

**Danville Community College**
- McHenry County College

**Elgin Community College**
- Morton Valley Community College

**Heartland Community College**
- Morton College

**Highland Community College**
- Prairie State College

**Illinois Central College**
- Rend Lake College

**Illinois Valley Community College**
- Richland Community College

**John Wood Community College**
- Rock Valley College

**Joliet Junior College**
- Sauk Valley Community College

**Kankakee Community College**
- South Suburban College

**Kaskaskia College**
- Southwestern Illinois College

**Kishwaukee Community College**
- Spoon River College

**Lake Land College**
- Waubonsee Community College

Additional institutions may be added on an annual basis. For more information on the Cooperative Agreement, contact Illinois Central College Enrollment Services, Room L211, phone (309) 694-5600.

**High School Inter-district Agreements**

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

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

The specific high school districts are as follows:

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

If you are a taxpayer to any of the above high school districts and are classified as an out-of-district resident at Illinois Central College, please provide a copy of your most recent property tax bill to Enrollment Services, so a final determination can be made for your residency status. If you have any questions, please contact Enrollment Services, Room 211, (309) 694-5600.

**The Student Optional Disclosure of Private Mental Health Act**

In accordance with the Illinois law, The Student Optional Disclosure of Private Mental Health Act (IGP 59.1), Illinois Central College will provide students with the option to authorize in writing that a designated person, defined as a parent, guardian, or adult over the age of 18, be contacted by a psychologist, counselor, or other qualified examiner employed by Illinois Central College during a mental health emergency. This is an optional form that students can complete but are not required to complete. Students that are interested in completing the Student Optional Disclosure of Private Mental Health form or updating this form can access it on the Student Services website at http://icc.edu/students/files/ICC-Disclosure-of-Private-Mental-Health-Information.pdf.

**Policy Statement on Sexual Assault**

(approved by the Board of Trustees November, 2014)

Illinois Central College will not tolerate sexual assault against students, staff, faculty, or visitors. Internal complaints of sexual assaults filed against students will be investigated pursuant to procedures established by the College and appropriate disciplinary action taken as determined by the college judicial system.

In an on-going effort to prevent sexual assaults, and in addition to providing various security measures, the College is committed to making available, through a variety of channels, relevant educational information and programs. It is College policy to comply with all applicable federal and state statutes for reporting and publishing sexual assault statistics.

**Policy Statement on Domestic or Dating Violence and Stalking**

(approved by the Board of Trustees November, 2014)

Illinois Central College will not tolerate domestic or dating violence and stalking against students, staff, faculty, or visitors. Internal complaints of domestic or dating violence and stalking filed against students will be investigated pursuant to procedures established by the College and appropriate disciplinary action taken as determined by the college judicial system.

In an on-going effort to prevent domestic or dating violence and stalking, and in addition to providing various security measures, the College is committed to making available, through a variety of channels, relevant educational information and programs. It is College policy to comply with all applicable federal and state statutes for reporting and publishing domestic or dating violence and stalking statistics.

These policies are intended to comply with relevant parts of the Crime Awareness and Campus Security Act of 1990, as amended, 20 USC 1092(f), and the implementing federal regulations, 34 CFR 668.47(a)(12). It is also intended to comply with the federal Violence Against Women Reauthorization Act of 2013 as amended. These policy statements and supporting procedures may be amended by the College as necessary to conform to future changes in state and federal law. The full procedures and other relevant information can be found at icc.edu/student-services.

**Sexual Assault Response Team (SART)**

The Illinois Central College Sexual Assault Response Team (SART) is a team of professional faculty, staff, and community representatives from the Center for Prevention of Abuse that are trained and prepared to assist students who are survivors of an on-campus sexual assault. This team will provide survivors with information and resources in order to assist the student in making informed decisions regarding the sexual assault incident. SART members will also be instrumental in ensuring that Illinois Central College is in compliance with Title IX and the Illinois Law Preventing Sexual Violence in Higher Education Act. More information on the Sexual Assault Response Team (SART) can be found at icc.edu/SART.
Tuition

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**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 enrolled in your classes. District chargebacks, inter-district cooperative agreements or agency authorizations must be received by the tuition due date to ensure your account balance is adjusted or you will be responsible for the full tuition amount due by the due date. These authorizations may be submitted to Enrollment Services, 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. ICC will use any and all means necessary to collect unpaid balances.

**Cost Per Credit Hour**
Effective Fall Semester 2016

<table>
<thead>
<tr>
<th>Cost</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$140</td>
<td>ICC district residents AND Out-of-district, Illinois residents* authorized by their Community College for partial payment AND Online classes for district residents</td>
</tr>
<tr>
<td>$155</td>
<td>Online classes for out-of-district residents</td>
</tr>
<tr>
<td>$300</td>
<td>Out-of-district, Illinois residents* NOT authorized by their community college for partial payment</td>
</tr>
<tr>
<td>$350</td>
<td>Out-of-state residents and international students</td>
</tr>
<tr>
<td>varied</td>
<td>Community education activities and Professional Development Institute (costs associated with class)</td>
</tr>
<tr>
<td>free</td>
<td>ICC district residents 65 and older, credit classes only (not including fees)</td>
</tr>
</tbody>
</table>

*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 then 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. You will be notified through your ICC student email anytime there is a change in your account. For more information on how to access your ICC student email, please visit icc.edu, select eServices, and then “email basics”.

**PAY IN FULL**
You can pay your tuition in full by cash, check, credit card or electronic bank transfer (E-check).
- Cash is only accepted in person.
- Checks are accepted in person or via mail.
- Credit card payment is accepted in person, online, over the phone or by mail. ICC accepts Visa, MasterCard and Discover for the payment of tuition and fees.
- Electronic bank transfers (E-checks) are accepted online ONLY.

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

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

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. In general, qualified tuition and fees are considered to be billed when
you enroll in 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.”

Please check with the IRS or your tax preparer for additional information on tax credits. 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
- **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 (Graduation)**: $15 nonrefundable fee ($25 additional fee for a late application)
- **Re-Enrollment Fee**: $50 per term
Financial Assistance

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Financial Assistance

East Peoria Campus • L209 • (309) 694-5311
financialaid@icc.edu

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

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

• Complete the ICC Admissions 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, Room L209, or call (309) 694-5311 or email financialaid@icc.edu for assistance.

• Have enrolled or have been accepted to enroll in a program of study requiring 16 credit hours or more.

• Are in compliance with the Satisfactory Academic Progress Standards (SAP) prior to and following receipt of financial aid. All students applying for aid must meet GPA (cumulative 2.0) and completion rate (cumulative 67%) requirements. In addition, the student must not have attempted the maximum hours allowed for the program. In general, this requirement is 1.5 times the number of hours required to complete the program. Students not meeting SAP standards will be notified in writing through their student email account. Students may be reinstated for financial aid once they meet SAP requirements. Students may appeal their loss of aid eligibility if extenuating circumstances exist. For a detailed explanation of SAP, please visit icc.edu/students/financial-aid/ eligibility. PLEASE NOTE: By law, all coursework on a student’s transcript must be reviewed for purposes of determining SAP, even if previous hours attempted were not paid by Federal Student Aid.

• If additional information is requested by ICC, you will receive the request through your ICC student email account. All requested documentation, must be received as soon as possible. Your FAFSA will not be processed until all documentation is received.

• If you are requesting student loans, you must submit all paperwork required. Visit icc.edu/students/financial-aid/types-of-financial-aid-available for a list of documents required for the loan application.

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

RETURN OF FINANCIAL AID FUNDS

Financial aid funds are awarded to a student under the assumption that the student will attend school for the entire period for which the financial aid 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 U.S. Department of Education, ICC will return the funds and the student will owe ICC. This 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 dated listed on their class schedule. After they have already been disbursed their financial aid.

If an overpayment situation occurs, the student will be notified of 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 by the student, the institution will transfer the overpayment to the U.S. Department of Education. Owing an overpayment of a federal grant or loan will prevent the student from qualifying for 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.

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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.

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

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

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

Loans will be certified for the amount requested or for the amount you are eligible, if less than the requested amount. If you are enrolled in less than 12 credit hours, your cost of attendance is adjusted to reflect the actual number of credit hours enrolled and your loan award will be recalculated. Any change in enrollment status after your loan is certified by ICC may require additional recalculation and revision of your original loan amount. If you submit a loan application prior to the tuition due date and you are determined eligible for the loan, you will be held in your classes. Loan disbursements are completed in two payments during the loan period. If the student has requested a two semester loan (i.e. fall and spring loan), the student will receive one disbursement in each of the semesters. If the student has requested a one semester loan (i.e. fall only loan), the student will receive two disbursements in the semester. The second half of the disbursement is processed the week after midterm break. If the student’s enrollment level changes prior to the second disbursement, the loan amount may change. Per federal regulation, disbursements for first time loan borrowers are not processed until 30 days after the start of the semester (approximately the 5th week of the academic semester).

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

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

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

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

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

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

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

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

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

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

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.
Special Programs/Classes

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**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**

**East Peoria Campus • 221B • (309) 694-8455**

Illinois Central College offers an Honors Program for students who exhibit academic excellence. Students accepted into the Honors Program receive: 1) free tuition for up to 64 credit hours; 2) access to honors courses with small class sizes; 3) 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/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

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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, CC200.

Academic Placement Testing

East Peoria Campus • L220 • (309) 694-5234
ICC North, Arbor Hall • (309) 690-6990
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 unless they have the appropriate ACT scores. 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 played each year are based on student input. Contact the Intramural Office, CougarPlex, Room 113, (309) 694-5494.

INTERCOLLEGIATE ATHLETICS

Illinois Central College is a member of the National Junior College Athletic Association for men and women. Students who 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 the beginning of each semester only for classes offered at this 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>Location</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Peoria Campus Trés Café</td>
<td>208D • (309) 694-5206</td>
</tr>
<tr>
<td>icc.edu/foodServices</td>
<td></td>
</tr>
</tbody>
</table>
| **Hours** – **Academic Year**: M-TH 7:00 a.m. - 6:30 p.m.  
F 7:00 a.m. - 1:30 p.m.  

**Hours** – **Summer Semester**: M-TH 7:00 a.m. - 6:30 p.m.  
F 7:00 a.m. - 1:00 p.m. |
| **Check website for holiday hours** |
| Trés Café is the main hub of all Campus Dining operations. Trés Café offers daily entrees, grill items, hot and cold deli sandwiches, chips, snacks, 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, sandwiches and other cold beverages. |

Seating is casual with computers available to surf the net while enjoying your drink.

| Birchwood Cafe • ICC North • Birchwood Hall |  |
| *Hours* – **Academic Year**: M-TH 7:30 a.m. - 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, snacks, 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.

Café Ca$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, use, 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 • CC207 • (309) 694-5153 |
| **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 reduced rates for students and ICC staff 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 Gold Circle of Quality from the Department of Human Services. 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. Check out our Facebook “Illinois Central College Children’s Center”.

**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
• Maintenance of student records
• Application for co-op or chargebacks to attend another community college if your program of study is not offered at ICC
• Evaluation of high school transcripts
• 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, they can consult with Student Leadership and Engagement for assistance with 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 353.

**Student Employment On Campus**

**ELIGIBILITY FOR EMPLOYMENT**

To be eligible to work as a student employee, students must establish that 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 329).

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**

**ICC North, Arbor Hall • Reg Desk • (309) 690-6990**

**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 at the East Peoria Campus Testing Center as well as the ICC North 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**

**East Peoria Campus • L220C • (309) 694-8940**

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 dependent(s) each semester to the ICC Veterans Affairs office to ensure timely and proper enrollment certification through the US Department of Veteran Affairs. Requirements for Chapters 30, 31, 33, 35, 1606 and 1607 are as follows:

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

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

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

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

In 1973, Illinois Central College opened a “storefront” in downtown Peoria. Today, this downtown site includes the Perley Building at 115 S.W. Adams and the Thomas Building at 201 S.W. Adams.

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

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:

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

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

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

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

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

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 e-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.
Who’s Who

Departmental Administration and Faculty ......................... 364
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Departmental Administration and Faculty

English, Humanities, and Language Studies

Dean
Swarthout, Jennifer
PhD
Illinois State University

Atten, Nicole
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Baldridge, Elizabeth
PhD
University of Illinois

Birky, Lois
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Bradley University

Bonvicini, Andrew
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University of Loyola Chicago

Decker, James
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Dinkins, Shari
MA
San Francisco State University

Gueted, Stephanie
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Bradley University

Hillabold, Susan
PhD
University of Alberta

Hopp, Jennifer
MA
Eastern Illinois University

James, Aaron
PhD
University of Dayton

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
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University of Illinois-Urbana

Shurtieff, Craig
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Utah State University

Sullivan, James
PhD
University of Illinois

Vance, Margot
MS
Illinois State University

Vargas, Tatiana
ME
Carthage College

Weber, Eric
PhD
Southern Baptist Theological Seminary

Wilson, Deborah
PhD
University of California-Irvine

Social Sciences and Public Services

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PhD
University of Illinois-Urbana

Ahlis, Paula
PhD
Arizona State University

Busch, Nicholas
MS
The Ohio State University

Christian, Eric
MS
Oklahoma State University

Cordell-Brunt, Maxine
PhD
University of Illinois-Urbana

Dougherty, Debbie
MS
Illinois State University

Enslow, Colleen
MS
St. Louis University

Frautsch, Laurel
MA
Appalachian State University

Fuller-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

Kels, Daniel
MA
Bradley University

Mendenhall, Stan
MS
Illinois State University

Morrow, Therese
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Western Illinois University

Phipps-Clayton, Mary
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Southern Illinois Univ.-Edwardsville

Simms, Adrienne
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University of Northern Colorado

Stamm, Jon
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University of Illinois-Chicago

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Thomas, Barbara
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Illinois State University

Thompson, David
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The Ohio State University

White, Earl Anthony
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Capella University

Agricultural and Industrial Technologies

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University of Illinois

Fandel, Peter
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University of Illinois

Flinn, Steven
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University of Southern Mississippi

Fortier, Todd
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Diploma
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Greber, Grant
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University of Illinois

Gunther, Robert
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University of Illinois - Springfield

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Imm, Trevor
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Illinois Central College

Matthews, R. Mark
AAS
Illinois Central College

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Illinois Central College

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Pittsburg State University

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Power, Rose
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Bradley University

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Punke, Terri
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Tulane University

Math, Science, and Engineering

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Goode, Amy
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Southern Illinois Univ.-Carbondale

Griffiths, Thomas
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University of Massachusetts

Halvorsen, Troy
PhD
University of Florida

Haner, Thomas
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University of Oklahoma

Harris, Philip
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Hohulin, Mary
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Mays, Elizabeth
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O'Hanlon, Wendy
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University of Kentucky

Welsh, Deanna
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Southeast Missouri State University

Woodis, Lena
PhD
University of Wisconsin-Madison

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Brent Goken, President
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PhD, Capella University

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EdD, Northern Illinois University

Marti Bloodsaw, Vice President of Human Resources
MBA, Fontbonne University

David Cook, Executive Director of Institutional Research and Planning
MS, University of Illinois-Springfield

Dr. Sheila Quirk-Bailey
Maps

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East Peoria Campus
1 College Drive, East Peoria, IL 61635-001

Handicapped Accessible Parking:
License Plate or Placard Required:
Lots G, 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 North
5407 N. University Street, Peoria, IL 61635-0001
Explanation of Terms

Academic Advisor – faculty member or counselor assigned to help students select courses and plan their educational programs.

Associate Degree – awarded to a student who has completed at least 60 semester hours in a particular field of study as outlined in the college catalog.

Auditing – enrolling for and attending class(es) regularly without having to take tests. No grade or credit hours are earned.

Baccalaureate Degree – awarded after completion of required semester hours, usually four years of full-time academic study. Usually referred to as a 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 or are actually taking the course, and no longer want to take the course, you cannot just stop coming to class. You must fill out the correct Add/Drop Form in Enrollment Services or drop in eServices online. Be sure to check Class Schedule for details and deadlines.

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