### Dental Hygienist

#### GENERAL COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</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>INTRODUCTION TO COMMUNICATION:</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>PSY 110</td>
<td>PRESENTATION AND THEORY</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>BIOL 140</td>
<td>HUMAN ANATOMY AND PHYSIOLOGY</td>
<td>4 CR. HRS.</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>FOUNDATIONS OF CHEMISTRY</td>
<td>4 CR. HRS.</td>
</tr>
<tr>
<td></td>
<td>HUMANITIES *</td>
<td>3 CR. HRS.</td>
</tr>
</tbody>
</table>

#### PROGRAM COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 210</td>
<td>MICROBIOLOGY</td>
<td>4 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 110</td>
<td>DENTAL SCIENCE I</td>
<td>3 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 111</td>
<td>DENTAL EMBRYOLOGY AND HISTOLOGY</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 113</td>
<td>INFECTION CONTROL FOR THE DENAL HYGIENIST</td>
<td>5 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 117</td>
<td>DENTAL SPECIALTIES</td>
<td>1 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 131</td>
<td>INTRODUCTION TO DENTAL HYGIENE CLINIC I</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 132</td>
<td>FUNDAMENTALS OF DENTAL HYGIENE</td>
<td>2 CR. HRS.</td>
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<tr>
<td>DHYGN 133</td>
<td>PRECLINICAL DENTAL HYGIENE</td>
<td>2 CR. HRS.</td>
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<tr>
<td>DHYGN 135</td>
<td>DENTAL RADIOLOGY</td>
<td>3 CR. HRS.</td>
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<tr>
<td>DHYGN 137</td>
<td>MEDICAL EMERGENCIES</td>
<td>1 CR. HRS.</td>
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<tr>
<td>DHYGN 139</td>
<td>SPECIAL POPULATIONS</td>
<td>1 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 210</td>
<td>COMMUNITY DENTAL HEALTH</td>
<td>3 CR. HRS.</td>
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<tr>
<td>DHYGN 212</td>
<td>DENTAL MATERIALS</td>
<td>2 CR. HRS.</td>
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<tr>
<td>DHYGN 222</td>
<td>PREVENTIVE MODALITIES</td>
<td>3 CR. HRS.</td>
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<tr>
<td>DHYGN 226</td>
<td>LOCAL ANAESTHETICS FOR THE DENTAL HYGIENIST</td>
<td>1 CR. HRS.</td>
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<tr>
<td>DHYGN 228</td>
<td>NEW DIMENSIONS IN DENTAL HYGIENE</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 230</td>
<td>DENTAL HYGIENE CLINIC I</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 231</td>
<td>DENTAL HYGIENE CLINIC II</td>
<td>4 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 232</td>
<td>DENTAL HYGIENE CLINIC III</td>
<td>5 CR. HRS.</td>
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<td>DHYGN 243</td>
<td>ORAL PATHOLOGY I</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 244</td>
<td>PERIODONTOLOGY</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 246</td>
<td>TRANSITIONS FOR THE DENTAL HYGIENIST</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>DHYGN 248</td>
<td>PHARMACOLOGY FOR DENTAL HYGIENISTS</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>FCS 110</td>
<td>BASIC NUTRITION</td>
<td>2 CR. HRS.</td>
</tr>
<tr>
<td>SOC 110</td>
<td>AN INTRODUCTION TO SOCIOLOGY</td>
<td>3 CR. HRS.</td>
</tr>
</tbody>
</table>

* See specific requirements for Associate in Applied Science degree.

#### Recommended Course Sequence:

**Previous Semester (for pre-program courses):** BIOL 140; CHEM 115  
**1st Semester:** ENGL 110; BIOL 210; DHYGN 110; DHYGN 113; DHYGN 117; DHYGN 131; DHYGN 132  
**2nd Semester:** COMM 110; FCS 110; DHYGN 111; DHYGN 133; DHYGN 135; DHYGN 137; DHYGN 138; DHYGN 243  
**Summer Semester 1:** DHYGN 212; DHYGN 222; DHYGN 230  
**3rd Semester:** PSY 110; DHYGN 210; DHYGN 226; DHYGN 228; DHYGN 231; DHYGN 244; DHYGN 248  
**4th Semester:** SOC 110; DHYGN 232; DHYGN 246; HUMANITIES

For program mission, goals, and student learning outcomes, see page 330.
Program Information

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

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 (3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, Phone: (404) 975-5000, Fax: (404) 975-5020). Graduates are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) and may apply for licensure to practice nursing as a Registered Nurse (RN).

Admission to the Program:

- Graduation from state-approved Practical Nursing Program within the last five years or achievement of a conversion score of 75% or higher on the Evolve HESI PN-AND Exam.
- Valid Illinois Licensed Practical Nursing (LPN) license.
- Currently employed full time or equivalent as an LPN OR department approval.
- One year of high school chemistry with a grade of "C" average or higher OR completion of an equivalent college chemistry course with a grade of "C" or better.
- Completion of BIOL 205, BIOL 206, BIOL 210, RNRS 111, RNRS 210 with a grade of "C" or better.
- Completion of ENGL 110, COMM 110, PSY 110, FCS 110 or 120, HLTH 121, Humanities elective (3 sem hrs), with a grade of "C" or better.
- ICC grade point average (GPA) of a 2.0 or above (if you have attended ICC).
- GPA of 2.0 or above at the last college attended (other than ICC) OR completion of 18 credit hours of "program" courses at ICC or other colleges with a grade of "C" or better.

Requirements upon Program Acceptance:

Drug screen, fingerprint criminal background check, physical exam, and immunizations.

Documentation of current CPR certification from the American Heart Association (AHA) Healthcare Provider (HLTH 041 at ICC or equivalent) or American Red Cross (ARC) Professional Rescuer and Health Care Provider. CPR certification must remain current throughout the program.

Recommended High School Subjects:

(1) four years of English (2) one year biology (3) two years of mathematics (4) one year of chemistry.

To Remain in and Graduate from the Program:

Must meet with assigned academic advisor to plan a specific course schedule which meets Illinois Central College academic and personal requirements.

Maintain a grade of "C" or better in all required general education and program courses.

Contact Information:

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

LPN to RN Completion Program

GENERAL COURSES:

- ENGL 110  COMPOSITION I
- COMM 110  INTRODUCTION TO COMMUNICATION: PRESENTATION AND THEORY
- PSY 110  INTRODUCTION TO PSYCHOLOGY
- BIOL 205  PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY I
- BIOL 206  PRINCIPLES OF HUMAN ANATOMY AND PHYSIOLOGY II
- HUMANITIES *

PROGRAM COURSES:

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

* See specific requirements for an Associate in Applied Science degree
** Underlined courses may be taken prior to admission into program.

Recommended Course Sequence:

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

Additional Program Info:

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

For program mission, goals, and student learning outcomes, see page 346.
Associate in Applied Science

Total Credit Hours: 63

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/SAT 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 7 CR. HRS.
- SCIENCE/MATHEMATICS * 3 CR. HRS.
- HUMANITIES * 3 CR. HRS.

PROGRAM COURSES:
- ELCTK 150 INDUSTRIAL ELECTRICITY 4 CR. HRS.
- ELCTK 151 ELECTRICAL SYSTEMS TROUBLESHOOTING 4 CR. HRS.
- ELCTK 152 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 3 CR. HRS.
- MECTK 151 MECHANICAL SYSTEMS II 3 CR. HRS.
- MECTK 152 INDUSTRIAL RIGGING 2 CR. HRS.
- MECTK 152 INDUSTRIAL FLUID POWER 3 CR. HRS.
- MECTK 152 ADVANCED TROUBLESHOOTING 3 CR. HRS.
- NCTK 110 INTRODUCTION TO NUMERICAL CONTROL SYSTEMS 1 CR. HRS.
- NCTK 121 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: WELD 112 and two additional credit hours of WELD with advisor approval.

Recommended Course Sequence:
1st Semester: ELCTS 131; ELCTS 132; ELCTS 133; MACTR 110; MACTR 121; Laboratory Science/Mathematics
2nd Semester: ELCTK 150; ELCTK 151; ELCTK 215; MECTK 149; MECTK 150; MECTK 231
3rd Semester: MECTK 151; MECTK 152; MECTK 252; NCTK 110; NCTK 212; English; Welding Elective
4th Semester: Communication; Humanities; Laboratory Science/Mathematics; Social Science; Welding Elective

For program mission, goals, and student learning outcomes, see page 351.
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.

Computers are an important component to many aspects of this profession. The student should be familiar with keyboarding. If not, an additional class in keyboarding is recommended.

Accreditation:
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 ICC Enrollment Services, L211.

Student must submit a separate application for the Paralegal Certificate Program to the Program Coordinator and have an interview with the Program Coordinator before gaining admission to the program. The form is available from the Program Coordinator at ICC North, Poplar Hall 117, by calling (309) 690-7691 or on-line 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 the 'in person' format. PRLGL 113, 116, and 260 must be taken at ICC to graduate from the program.

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

To Remain in and Graduate from the Program:
Students should apply to graduate during the next to last semester of study. This can be done with the student's e-services.

Contact Information:
Business, Legal, and Information Systems Department
Peoria 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 PRE-INTERNSHIP 1 CR. HRS.
- PRLGL 215 BUSINESS ORGANIZATION AND PRACTICE 3 CR. HRS.
- PRLGL 260 PARALEGAL INTERNSHIP 3 CR. HRS.

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

* Approved electives: PRLGL 120, 121, 141; CRJ 111, 225, 227, 230

Recommended Course Sequence:
Previous Semester: Approved Elective
1st Semester: PRLGL 110; PRLGL 112; PRLGL 116; PRLGL 117; PRLGL 215
2nd Semester: PRLGL 113; PRLGL 114; PRLGL 115; PRLGL 118; PRLGL 159 Approved Elective
Summer Semester: PRLGL 260

For program mission, goals, and student learning outcomes, see page 359.
Certificate

Total Credit Hours: 8

Program Information:

The mission of the Phlebotomist Program is to prepare its graduates to properly and safely perform micropunctures and venipunctures in a professional manner by providing the resources, curriculum, and clinical experiences to its students.

Phlebotomists are employed in hospital laboratories, physician clinics, and other health care institutions to perform the collection of blood specimens by venipuncture and micropuncture techniques. Theory and practice in phlebotomy skills are studied in addition to ethical and legal responsibilities, effective communication skills, and safe practices. The program consists of lecture, offered in a hybrid online delivery format, student laboratories, and a clinical phlebotomy practicum arranged in a local hospital. Successful completion of the program will allow the graduate to seek employment as a phlebotomist and be eligible to take an appropriate phlebotomy certification examination.

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.
- Accuplacer score of 44 or higher OR completion of appropriate English prerequisite with a "C" or higher.
- One year high school Biology with a grade of "C" or higher OR completion of equivalent college Biology course with a "C" or higher.

Requirements upon 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
Peoria Campus, Cedar 105
(309) 690-7530

Phlebotomist

PROGRAM COURSES:

- BIOL 106  HUMAN BIOLOGY  4 CR. HRS.
- OR
- BIOL 140  HUMAN ANATOMY AND PHYSIOLOGY  4 CR. HRS.
- MLT 112  PHLEBOTOMY CLINICAL PRACTICUM  2 CR. HRS.
- MLT 110  INTRODUCTION TO THE MEDICAL LABORATORY AND PHLEBOTOMY  2 CR. HRS.

** Available for Medical Assistant program students only

Recommended Course Sequence:

1st Semester: BIOL 106 or BIOL 140; MLT 110; MLT 112

For program mission, goals, and student learning outcomes, see page 380.
Certificate

Total Credit Hours: 45

Program Information:

The mission of the Web Developer Certificate program is to instruct students in the advanced programming and scripting of websites and mobile apps for business and industry using web standards and responsive design.

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 www.icc.edu/VirtualCampus.

Accreditation:

Accredited by Webprofessionals.org as a Web Professional Academy.

Contact Information:

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

Web Developer

PROGRAM COURSES:

- CMWEB 110 BEGINNING WEB DEVELOPMENT WITH HTML AND CSS 4 CR. HRS.
- CMWEB 120 INTERMEDIATE WEB DEVELOPMENT WITH HTML AND CSS 4 CR. HRS.
- CMWEB 130 WEB CONTENT MANAGEMENT SYSTEMS, SEO, AND ANALYTICS 4 CR. HRS.
- CMWEB 135 BUSINESS USE OF SOCIAL MEDIA 4 CR. HRS.
- CMWEB 140 ELECTRONIC COMMERCE 4 CR. HRS.
- CMWEB 150 WEB ACCESSIBILITY AND USABILITY 4 CR. HRS.
- CMWEB 160 INTRODUCTION TO SCRIPTING FOR THE WEB AND XML 4 CR. HRS.
- CMWEB 200 JAVASCRIPT FOR WEB DEVELOPERS 4 CR. HRS.
- CMWEB 220 ADVANCED WEB AND MOBILE DEVELOPMENT WITH HTML AND CSS 4 CR. HRS.
- CMWEB 241 PHP 4 CR. HRS.
- CMWEB 270 WEB SERVER AND WEB APPLICATION SECURITY 4 CR. HRS.
- CMWEB298 WEB DEVELOPER ASSOCIATE CAPSTONE * 1 CR. HRS.

* For the capstone course, the student has a choice between CMWEB 298 and CMWEB 299. If the student wishes to take the Web Professionals Web Developer Associate Exam, an industry recognized certification, they should sign up for CMWEB 298. If the student does not wish to take the certification exam, they should sign up for CMWEB 299, in which they complete a comprehensive project that reviews and demonstrates competency in the most important concepts covered in the classes in the program.

Recommended Course Sequence:

1st Semester: CMWEB110, CMWEB130, CMWEB150, CMWEB160
2nd Semester: CMWEB120, CMWEB140, CMWEB200, CMWEB270
3rd Semester: CMWEB135, CMWEB220, CMWEB241, CMWEB298

For program mission, goals, and student learning outcomes, see page 366.
Certificate

Total Credit Hours: 29

Program Information:
The mission of the Web Developer Apprentice Certificate program is to instruct students in the fundamentals of programming and scripting of websites for business and industry using web standards and responsive design.

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 www.icc.edu/VirtualCampus.

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

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

Web Developer Apprentice

PROGRAM COURSES:

- CMWEB 110 BEGINNING WEB DEVELOPMENT WITH HTML AND CSS 4 CR. HRS.
- CMWEB 120 INTERMEDIATE WEB DEVELOPMENT WITH HTML AND CSS 4 CR. HRS.
- CMWEB 130 WEB CONTENT MANAGEMENT SYSTEMS, SEO, AND ANALYTICS 4 CR. HRS.
- CMWEB 140 ELECTRONIC COMMERCE 4 CR. HRS.
- CMWEB 150 WEB ACCESSIBILITY AND USABILITY 4 CR. HRS.
- CMWEB 160 INTRODUCTION TO SCRIPTING FOR THE WEB AND XML 4 CR. HRS.
- CMWEB 270 WEB SERVER AND WEB APPLICATION SECURITY 4 CR. HRS.
- CMWEB296 WEB DEVELOPER APPRENTICE CERTIFICATION CAPSTONE * 1-1 CR. HRS.

* The capstone course CMWEB296 provides a review and offers students the choice of either taking the Web Professionals Web Developer Apprentice certification exam, an industry-recognized credential, or creating a project that utilizes components from their previous web development classes to demonstrate competency.

Recommended Course Sequence:

1st Semester: CMWEB110, CMWEB130, CMWEB150, CMWEB160
2nd Semester: CMWEB120, CMWEB140, CMWEB270, CMWEB296

For program mission, goals, and student learning outcomes, see page 367.
Associate in Applied Science

Total Credit Hours: 63 to 64

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, internet, and mobile web sites and applications.

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 www.icc.edu/VirtualCampus.

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

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

Web Systems

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

PROGRAM COURSES:
- CMWEB 110 BEGINNING WEB DEVELOPMENT WITH HTML AND CSS 4 CR. HRS.
- CMWEB 120 INTERMEDIATE WEB DEVELOPMENT WITH HTML AND CSS 4 CR. HRS.
- CMWEB 130 WEB CONTENT MANAGEMENT SYSTEMS, SEO, AND ANALYTICS 4 CR. HRS.
- CMWEB 135 BUSINESS USE OF SOCIAL MEDIA 4 CR. HRS.
- CMWEB 140 ELECTRONIC COMMERCE 4 CR. HRS.
- CMWEB 150 WEB ACCESSIBILITY AND USABILITY 4 CR. HRS.
- CMWEB 160 INTRODUCTION TO SCRIPTING FOR THE WEB AND XML 4 CR. HRS.
- CMWEB 200 JAVASCRIPT AND MOBILE APP DEVELOPMENT FOR WEB DEVELOPERS 4 CR. HRS.
- CMWEB 220 ADVANCED WEB AND MOBILE DEVELOPMENT WITH HTML AND CSS 4 CR. HRS.
- CMWEB 241 PHP 4 CR. HRS.
- CMWEB 270 WEB SERVER AND WEB APPLICATION SECURITY 4 CR. HRS.
- CMWEB298 WEB DEVELOPER ASSOCIATE CAPSTONE ** 1 CR. HRS.

* See specific requirements for Associate in Applied Science Degree.
** For the capstone course CMWEB298, the student will either take the Web Professionals Web Developer Associate Exam, an industry recognized certification, or complete a comprehensive project that reviews and demonstrates competency in the most important concepts covered in the classes in the program.

Recommended Course Sequence:
1st Semester: CMWEB110, CMWEB130, CMWEB150, CMWEB160
2nd Semester: CMWEB120, CMWEB140, CMWEB200, BUS120
Summer Semester 1: English
3rd Semester: CMWEB135, CMWEB220, CMWEB241, Mathematics/Laboratory Science
4th Semester: Social Science, Humanities, Communication, CMWEB270, CMWEB298

For program mission, goals, and student learning outcomes, see page 367.
Course Changes
Effective 8/1/2018

Title Changes
CMWEB 200  Javascript and Mobile APP Development for Web Developers
CMWEB 220  Advanced Web and Mobile Development with HTML and CSS
CMWEB 296  Web Developer Apprentice Capstone
CMWEB 298  Web Developer Associate Capstone
DHYGN 110  Dental Head, Neck, and Oral Anatomy
DHYGN 111  Dental Embryology and Histology
DHYGN 113  Infection Control for the Dental Hygienist
DHYGN 131  Dental Hygiene Theory for Clinical Applications

Hours Changes
AGRI 133  Livestock Evaluation I  1 HR (OC)- 0 Lecture, 2 Lab
AGRI 134  Livestock Evaluation II  1 HR (OC)- 0 Lecture, 2 Lab
AGRI 201  Crop Production  4 HR (OC)- 2 Lecture, 3 Lab
AGRI 204  Introductory Crop Science  4 HR (OC)- 2 Lecture, 3 Lab
DHYGN 113  Infection Control for the Dental Hygienist  0.5 HR (OC)- .5 Lecture, 0 Lab
DHYGN 231  Dental Hygiene Clinic II  4 HR (OC)- 0 Lecture, 12 Lab
MECTK 151  Mechanical Systems II  3 HR (OC)- 1 lecture, 4 lab

Type of Credit Change
PHYS 112  Technical Physics I  Changed from TC to OC
PHYS 113  Technical Physics II  Changed from TC to OC

Prerequisite Modifications
CA 150  Professional Cooking
Prerequisite: Completion of CA 151
CA 155  Meat, Poultry and Fish
Prerequisite: Completion of CA 150
PHYS 110  Foundations of Physics
Prerequisite: Approved reading placement score, or equivalent, and MATH 098 or completion of high school Algebra 2 with a grade of "C" or better or MATH 099 with a grade of "C" or better or appropriate placement score or department approval.

New Courses
CMCIS 170  CCNA Cybersecurity  3 HR (OC)- 2 Lecture, 2 Lab
Prerequisite: CMCIS 151
This CCNA specialization course is designed to introduce students to core security concepts and skills needed to monitor, detect, analyze and respond to cybercrime, cyberespionage, insider threats, advanced persistent threats, regulatory requirements, and other cybersecurity issues facing organizations. It emphasizes the practical application of the skills needed to maintain and ensure security operational readiness of secure networked systems. This course assists in the preparation for the CCNA Cybersecurity certification.
DHYGN 132  Fundamentals of Dental Hygiene  2 HR (OC)- 1 Lecture, 3 Lab

Prerequisite: Acceptance into the Dental Hygiene Program, BIOL 140 and CHEM 115, both with a grade of C or better, or department approval.
This course is a continuation in the control and prevention of disease transmission in dentistry, dental equipment and maintenance, aseptic procedures, and an introduction to clinical dental hygiene necessary for oral prophylaxis. Student partners, manikin, and selected patients are used in the laboratory to demonstrate instrumentation techniques.

EASC 117  Weather and Climate  3 HR (TC)- 3 Lecture, 0 Lab

Prerequisite: Approved reading placement score, or equivalent, and MATH 098 or completion of high school Algebra 2 or MATH 099 with a grade of "C" or better or appropriate placement score or department approval.
This course explores the basic understanding of the processes that produce our weather and climate. In addition to studying the elements of weather and climate – temperature, moisture, pressure, and wind – the course examines the causes for day-to-day weather changes, the nature of violent storms such as tornadoes and hurricanes, and surveys world climatic patterns. A study of air pollution and human impact on urban and global climates are also included.

Counts as non-lab science General Education course for the Associate in Arts and Associate in Science degrees.