2019-2020
ILLINOIS CENTRAL COLLEGE

CATALOG

ADDENDUM

the SMART CHOICE

Illinois Central College

NEW! General Education Core Curriculum (GECC) Credential

"The AA and AS degrees contain the Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC). The GECC is a "package" of courses that when completed, can transfer to over 100 IAI participating institutions and be accepted in lieu of the receiving institutions lower-division general education core." https://www.iccb.org/academic_affairs/baccalaureate-transfer/

General Education Core Curriculum (GECC) Credential

Total Credit Hours 37

Program Information: The General Education Core Curriculum (IAI-GECC) credential may be awarded to a student upon completion of a minimum 37 credit hours across five academic disciplines which satisfy the General Education Core Curriculum of the Illinois Articulation Initiative (IAI). Successful completion of this credential will help students to facilitate transfer to any other participating associate or bachelor degree program. Participating institutions have agreed to accept this credential as a "package" in lieu of their own comparable lower-division general education requirements.

Additional Information: This program verifies completion of the IAI "package," course-to-course transfer credit is not guaranteed. You should work with your institutions to see exactly how your courses will transfer beyond the IAI package. For more information, contact the ICC Transfer Center or itransfer.org. Through specific course choices, this program may be completed completely online.

To Complete the GECC Milestone: Students must earn a GPA of 2.0 or higher in all courses to successfully complete this credential.

Program Info Contact:
Academic Advisement
East Peoria Campus
Career Center Room CC201
(309) 694-5281

General Courses:

ENGL 110	COMPOSITION I *	3 hrs.
ENGL 111	COMPOSITION II *	3 hrs.
COMM 110	INTRO TO COMMUNICATION: PRESENTATION AND THEORY	
Or		
COMM 212	PUBLIC SPEAKING	3 hrs.
	SOCIAL SCIENCE **	9 hrs.
	MATHEMATICS **	3 hrs.
	LIFE SCIENCE/ PHYSICAL SCIENCE **	7 hrs.
	HUMANITIES/FINE ARTS **	9 hrs.

* Student must earn a "C" or higher in this course.
** See specific requirements in the College Catalog for General Education Core Curriculum Credential

Recommended Course Sequence
1st Semester: ENGL 110; Mathematics; Social Science; Humanities/Fine Arts
2nd Semester: ENGL 111; COMM 110 or 212; Physical Science; Humanities/Fine Arts
3rd Semester: Life Science; Social Science; Social Science; Humanities/Fine Arts

Cisco Networking Specialist

UPDATED AAS AND NEW STACKABLE CERTIFICATE
(two additional stackable certificates are listed in 2019-2020 catalog)

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

LAN Technician Certificate Mission: The LAN Technician Certificate is designed to provide students with hands-on experience in entry-level technologies that focuses on core routing and switching, computer hardware, and operating systems. Instruction includes, but is not limited to networking standards, LAN protocols, cabling standards, IP addressing, and security. The certificate is aligned to the CCENT and A++ certifications and aimed at helping students prepare for entry-level networking opportunities.

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

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

Associate in Applied Science
Total Credit Hours: 62

GENERAL COURSES	CR. HRS.
*ENGLISH**	3
*COMMUNICATION**	3
*SOCIAL SCIENCE**	3
*LAB SCIENCE/MATHEMATICS**	6
*HUMANITIES/FINE ARTS**	3

PROGRAM COURSES:		CR. HRS.
CMCIS 147	TELECOMMUNICATIONS CABLING	4
CMCIS 151	NETWORK FUNDAMENTALS	4
CMCIS 152	ROUTING AND SWITCHING ESSENTIALS	4
CMCIS 153	SCALING NETWORKS	4
CMCIS 154	WAN COMMUNICATION	4
CMCIS 156	CCNA VOICE**	3
OR		
CMCIS 157	CCNA WIRELESS**	3
OR		
CMCIS 170	CCNA CYBERSECURITY**	3
CMCIS 158	CCNA SECURITY	3
CMCIS 271	CCNP ROUTE	4
CMCIS 273	CCNP SWITCH	4
CMCIS 274	CCNP TROUBLESHOOTING	4
CMNET 150	COMPUTER HARDWARE – A++	3
CMNET 151	OPERATING SYSTEMS – A++	3

* See specific requirements for Associate in Applied Science Degree.
** See advisor for recommendations

Recommended Course Sequence:
1st Semester: CMCIS 151; CMCIS 152; CMNET 150: CMNET 151; Comm
2nd Semester: CMCIS 153; CMCIS 154; Lab Science/Math; English
Summer Semester 1: CMCIS 156 or CMCIS 157
3rd Semester: CMCIS 147; CMCIS 271; Social Science; Lab Science/Math
4th Semester: CMCIS 273; CMCIS 274; Communication; Lab Science/Math; CMCIS 158; CMCIS 170 (if CMCIS 156 or CMCIS 157 not completed); Humanities/Fine Arts

LAN Technician
Certificate **Total Credit Hours:** 17

PROGRAM COURSES:		CR. HRS.
CMCIS 151	NETWORK FUNDAMENTALS	4
CMCIS 152	ROUTING AND SWITCHING ESSENTIALS	4
CMNET 150	COMPUTER HARDWARE – A++	3
CMNET 151	OPERATING SYSTEMS – A++	3
COMM 113	BUSINESS AND PROFESSIONAL SPEAKING	3

Recommended Course Sequence:
1st Semester: CMCIS 151; CMCIS 152; CMNET 150: CMNET 151; COMM 113

Industrial Maintenance Technology

UPDATED AAS ONLY

AAS Mission: The mission of the Industrial Maintenance Technology Associate in Applied Science degree program is to use lecture and hands-on laboratory experience to prepare the graduate for employment in industry/business as an electro-mechanical maintenance technician by educating them in the knowledge, skills, and behaviors as an industrial maintenance technician.

Certificate Mission: The Industrial Maintenance Certificate program of study prepares graduates for technical positions in the expanding field of electrical/mechanical systems installation and service. A person interested in pursuing education and employment in this area should have high mechanical aptitude. This program is also intended for the individual who wishes to upgrade skills or to prepare for a career as a multi-skilled maintenance technician.

Contact Information:
Agricultural and Industrial Technologies
AIT Building, Room 209
(309) 694-5171 or (309) 694-5510

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

Associate in Applied Science
Total Credit Hours: 62

GENERAL COURSES	CR. HRS.
*ENGLISH**	3
*COMMUNICATION**	3
*SOCIAL SCIENCE**	3
*LAB SCIENCE/ MATHEMATICS**	7
*HUMANITIES/FINE ARTS**	3

PROGRAM COURSES:		CR. HRS.
ELCTK 150	INDUSTRIAL ELECTRICITY	4
ELCTK 151	ELECTRICAL SYSTEMS TROUBLESHOOTING	3
ELCTK 215	PROGRAMMABLE CONTROLLERS	4
ELCTS 131	INTRODUCTION TO BASIC ELECTRICITY	2
ELCTS 132	SERVICE ELECTRONICS - D.C. CIRCUITS	2
ELCTS 133	SERVICE ELECTRONICS - A.C. CIRCUITS	2
MACTR 110	PRINT READING - MECHANICAL	3
MACTR 121	MACHINE TOOL OPERATION I	3
MECTK 149	BASIC POWER TRANSMISSION	2
MECTK 150	MECHANICAL SYSTEMS I	2
MECTK 151	MECHANICAL SYSTEMS II	3
MECTK 152	INDUSTRIAL RIGGING	2
MECTK 231	INDUSTRIAL FLUID POWER	3
MECTK 252	ADVANCED TROUBLESHOOTING	3
NCTK 110	INTRO TO COMPUTER NUMERICAL CONTROL (CNC) SYSTEMS	3
WELD 120	WELDING	2

* See specific requirements for Associate in Applied Science Degree.

Recommended Course Sequence:
1st Semester: MECTK 149; MECTK 150; Lab Science/Math; English
2nd Semester: ELCTS 131; ELCTS 132; ELCTS 133; MECTK 151; MECTK 152; Communication; Humanities/Fine Arts
Summer Semester 1: ELCTK 150
3rd Semester: ELCTK 151; ELCTK 215; MACTR 110; MACTR 121; MECTK 231
4th Semester: MECTK 252; NCTK 110; WELD 120; Lab Science/Math; Social Science

Industrial Maintenance Certificate
Total Credit Hours: 27

PROGRAM COURSES:		CR. HRS.
ELCTS 131	INTRODUCTION TO BASIC ELECTRICITY*	2
ELCTS 132	SERVICE ELECTRONICS - D.C. CIRCUITS	2
ELCTS 133	SERVICE ELECTRONICS - A.C. CIRCUITS	2
ELCTK 150	INDUSTRIAL ELECTRICITY	4
MECTK 231	INDUSTRIAL FLUID POWER*	3
MECTK 152	INDUSTRIAL RIGGING	2
MECTK 149	BASIC POWER TRANSMISSION	2
MACTR 110	PRINT READING - MECHANICAL	3

ELECTIVE COURSES:	CR. HRS.
*ELECTIVES***	7

* Appropriate math placement score or departmental approval
** ELCTK 151; ELCTK 215; MECTK 150; MECTK 151; MECTK 252

Recommended Course Sequence:
1st Semester: ELCTS 131, ELCTS 132, ELCTS 133, MACTR 110, MECTK 149, Elective
2nd Semester: ELCTK 150, MECTK 152, MECTK 231, Elective, Elective (if needed)

Machine Tool Technology

UPDATED AAS AND CERTIFICATE

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

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

Contact Information:
Agricultural and Industrial Technologies
AIT Building, Room 209
(309) 694-5171 or (309) 694-5510

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

Associate in Applied Science
Total Credit Hours: 60

GENERAL COURSES	CR. HRS.
*ENGLISH**	3
*COMMUNICATION**	3
*SOCIAL SCIENCE**	3
*LAB SCIENCE/MATHEMATICS**	7
*HUMANITIES/FINE ARTS**	3

PROGRAM COURSES:		CR. HRS.
MACTR 110	PRINT READING - MECHANICAL	3
MACTR 121	MACHINE TOOL OPERATION I	3
MACTR 122	MACHINE TOOL OPERATION II	3
MACTR 123	MACHINE TOOL OPERATION III	2
MACTR 124	SPECIAL MACHINING SKILLS	2
MECTK 115	PRINCIPLES OF DIMENSIONAL METROLOGY	2
MECTK 121	INTRO TO MECHANICAL COMPUTER-AIDED DRAFTING USING AUTOCAD	3
MECTK 226	STATISTICS AND QUALITY CONTROL	3
MECTK 232	MATERIALS SCIENCE AND PHYSICAL METALLURGY	3
NCTK 110	INTRO TO COMPUTER NUMERICAL CONTROL (CNC) SYSTEMS	3
NCTK 210	FUNDAMENTALS OF CNC PROGRAMMING	2
NCTK 114	CNC MACHINE OPERATION	2
NCTK 210	FUNDAMENTALS OF CNC PROGRAMMING	2
WELD 119	WELDING PROCESSES	3

Elective Courses:	CR. HRS.
APPROVED ELECTIVES**	4

* See specific requirements for Associate in Applied Science Degree.
** Electives: MECTK 149, 150, 151; SCM 220, 231, 232

Recommended Course Sequence:
1st Semester: MACTR 110; MACTR 121; MACTR 122; NCTK 110; Lab Science/Math
2nd Semester: MACTR 123; MACTR 124; MECTK 121; NCTK 114; Comm; English
3rd Semester: MECTK 110; MECTK 115; MECTK 226; NCTK 210; Social Science; ELECTIVES
4th Semester: MECTK 232; WELD 119; Humanities/Fine Arts; Lab Sci/Math; ELECTIVES

CNC Machine Operator Certificate
Total Credit Hours: 11

PROGRAM COURSES:		CR. HRS.
MACTR 110	PRINT READING - MECHANICAL	3
MACTR 121	MACHINE TOOL OPERATION I	3
MECTK 115	PRINCIPLES OF DIMENSIONAL METROLOGY	2
NCTK 110	INTRO TO COMPUTER NUMERICAL CONTROL (CNC) SYSTEMS	3

Recommended Course Sequence:
1st Semester: MACTR 110; MACTR 121; MECTK 115; NCTK 110

Course Changes

Effective 8/1/2019

Course # Change**

NCTK 114*   CNC MACHINE OPERATION (formerly NCTK 212)

Title Changes**

CMCIS 147   TELECOMMUNICATIONS CABLING
DHYGN 243   GENERAL AND ORAL PATHOLOGY
ELCTK 231*   AUTOMATION & MOTION CONTROL SYSTEMS
ELCTK 232   PROGRAMMABLE AUTOMATION SYSTEMS
NCTK 110*   INTRODUCTION TO COMPUTER NUMERICAL CONTROL (CNC) SYSTEMS
NCTK 114*   CNC MACHINE OPERATION (formerly NCTK 212)

Hour Changes**

CA 215	CULINARY NUTRITION	3 HR (OC) – 3 Lecture, 0 Lab
CA 225	INTERNSHIP IN CULINARY ARTS	3 HR (OC) – 0 Lecture, 20 Lab
EDUC 212	FIELD EXPERIENCE IN EDUCATION	3 HR (TC) – 1 Lecture, 4 Lab
NCTK 110*	INTRO TO COMPUTER NUMERICAL CONTROL (CNC) SYSTEMS	3 HR (OC) – 1 Lecture, 4 Lab
PRNRS 112	PRACTICAL NURSING III	4 HR (OC) – 3 Lecture, 3 Lab
RESP 127	CARDIOPULMONARY DISEASES	3 HR (OC) – 2 Lecture, 3 Lab

Prerequisite Modifications**

CMWEB 200   JAVASCRIPT AND MOBILE APP DEVELOPMENT FOR WEB DEVELOPERS
Prerequisite: CMWEB160, CMPSC115, CMPSC124, CMPSC125, CMPSC135, or CMPSC145 any with a grade of "C" or better, or departmental approval.
ELCTK 220   TRANSDUCERS AND ELECTRONIC INSTRUMENTS
Prerequisite: ELCTK 150 with a grade of 'C' or better, or departmental approval.
ELCTK 230   ADVANCED SOLID STATE ELECTRONICS
Prerequisite: ELCTK 150 with a grade of 'C' or better, or departmental approval.
ELCTK 231*   ADVANCED SOLID STATE ELECTRONICS
Prerequisite: ELCTK 215 with a grade of 'C' or better, or departmental approval.
NCTK 114*   CNC MACHINE OPERATION (formerly NCTK 212)
Prerequisite: NCTK 110 with a grade of 'C' or better, or departmental approval.
WELD 161   MAINTENANCE WELDING
Prerequisite: WELD 121, 131 and 141 all with grades of "C" or better, or department approval.
WELD 163   WELD FABRICATION WITH THE GMAW PROCESS
Prerequisite: WELD 111 and 131 both with a grade of "C" or better.
WELD 230   WELD TESTING
Prerequisite: WELD 112, 113, 121 and 131 all with a grade of "C" or better, or department approval.
WELD 263   WELD FABRICATION WITH THE SMAW PROCESS
Prerequisite: WELD 121 and 111 both with a "C" or better or department approval.

Prerequisites Removed**

WELD 112   WELDING THEORY – SMAW
WELD 113   WELDING THEORY – GMAW
WELD 121   STICK WELDING I
WELD 131   GAS METAL ARC WELDING (MIG) I

*Denotes course is listed in more than one area
**The most up to date course descriptions for all of these courses can be found on the ICC website at
http://icc.edu/academics/catalog/course-descriptions/   (minor description updates also on WELD 112, 113, 163, 263, HLTH 108, RESP 240)

Withdrawn Course

EDUC 211

New Courses

BIOL 113   **3 HRS. (TC)**
CONSERVATION BIOLOGY AND SOCIETY
Prerequisite: Approved reading placement score or equivalent. This course introduces the student to the diversity of living organisms, the impact of human society on that diversity, and the effects of biodiversity on human society. Emphases will include the loss of genetic variation, the extinction of species, the alteration of ecosystems, and the efforts to counteract these losses at the local and global levels.
Lecture Hours: 3 Laboratory Hours: 0

BRDGE 083   **3 HRS. (ABE)**
HEALTHCARE BRIDGE - ABE
Prerequisite: Prerequisite: Reading level of 6.0 – 8.9 on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course is designed to provide reading, writing, and math skills instruction using resources and materials related to healthcare. 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 healthcare-specific occupation. Students will also refine their career goals and research specific interests, as well as receive services to assist with the transition to post-secondary education and/or a career in healthcare.
Lecture Hours: 3 Laboratory Hours: 0

BRDGE 093   **3 HRS. (ASE)**
HEALTHCARE BRIDGE - ASE
Prerequisite: Reading level of 9.0 or higher on a standardized reading test accepted by the Illinois Community College Board or the College and department approval. This course is designed to provide reading, writing, and math skills instruction using resources and materials related to healthcare. 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 healthcare-specific occupation. Students will also refine their career goals and research specific interests, as well as receive services to assist with the transition to post-secondary education and/or a career in healthcare.
Lecture Hours: 3 Laboratory Hours: 0

CHILD 221   **3 HRS. (OC)**
TEACHING MATH & SCIENCE IN EARLY CHILDHOOD
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 applies toward Gateways ECE Level 3 and 4 Credential.
Lecture Hours: 3 Laboratory Hours: 0

CRJ 214   **3 HRS. (TC)**
URBANIZATION, POLICING & SECURITY,
GLOBAL PERSPECTIVE
Prerequisite: CRJ 110 with a grade of "C" or better. This course examines the problems associated with urbanization (people moving from countrysides to cities), primarily law enforcement´s role in curtailing the negative effects. The world has been undergoing an urbanization process since the Industrial Revolution. Urbanization has presented unique problems for law enforcement agencies across the globe. The reality of urban populations exploding over the past century has placed many law enforcement agencies under strain. This evolution in human migration has spurned increases in associated crime. Individuals experience alienation, social disorganization, and disorder. Some criminological theories offer explanations for the aftermath of urbanization. National and global police responses to urbanization will be examined. Case studies from United States, India, Australia, Nigeria, Russia, Poland, and more will be surveyed to provide context and facilitate student comprehension of this pattern.
Lecture Hours: 3 Lab Hours: 0

ESL 094   **3 HRS. (ESL)**
ENGLISH AS A SECOND LANGUAGE, ADVANCED LEVEL
Prerequisite: Appropriate score on a standardized ESL test accepted by the Illinois Community College Board or the College. This course centers on instruction in listening, speaking, reading, and writing using the English language, including life skills, technology skills, career exploration, civics education, and workforce skills. Repeatable three times.
Lecture Hours: 3 Lab Hours: 0

GEDPR 090   **1 HRS. (ABE)**
GED CONSTITUTION
Prerequisite: Reading level of 4-8 on a standardized reading test accepted by the Illinois Community College Board or the college. This course is designed to prepare GED students for the state-mandated examination on the Illinois and United States Constitutions.
Lecture Hours: 1 Lab Hours: 0

GEDPR 091   **1 HRS. (ASE)**
GED CONSTITUTION
Prerequisite: Reading level of 9-12 on a standardized reading test accepted by the Illinois Community College Board or the College. This course is designed to prepare GED students for the state-mandated examination on the Illinois and United States Constitutions.
Lecture Hours: 1 Lab Hours: 0

MEDO 100   **0.5 HRS. (OC)**
INTRODUCTION TO MEDICAL ASSISTING
This course is designed to introduce students to the medical assistant profession and the role of the medical assistant as a member of the health care team in outpatient, ambulatory health care facilities. A variety of skills and responsibilities performed by medical assistants will be covered; from front office administrative duties to the important clinical role the MA/CMA plays in assisting the physician in the medical office.
Lecture Hours: 0.5 Lab Hours: 0