



TRANSFER GUIDE

AAS Industrial Maintenance Tech transferring into BS Industrial Mgmt & Applied Engineering

Illinois Eastern Community Colleges Courses			
AAS Industrial Maintenance Technology – 61 hours			
ENG 1111-3	Composition I	INM 2210-2	Occupational Safety (OSHA)
SPE 1101-3	Fundamentals of Effective Speaking	INM 1205-4	Fluid Power
MTH 1102-4	College Algebra	INM 1220-4	Basic AC & Refrigeration
Elective-3	IAI Social Science or Humanities	INM 2205-5	Electro-Mechanics II
Elective-3	General Education Elective	INM 2206-3	Program Logic Controllers I
INM 1200-4	Mechanics	INM 2228-3	Lean Manufacturing
INM 1206-2	Intro to Industrial Maintenance Tech	INM 2208-3	Program Logic Controllers II
INM 2200-5	Electro-Mechanics I	Tech Studies-10	Choose from approved courses
Southern Illinois University Carbondale Courses Capstone Option			
BS Industrial Management & Applied Engineering (IMAE) – 68 hours			
Elective-3	Humanities	PHYS 203/253A-4	College Physics/Lab
Elective-3	Social Science	PHYS 203/253B-4	College Physics/Lab
Elective-3	Life Science	IMAE 390-3	Cost Estimating
Elective-3	Fine Arts	IMAE 392-3	Facilities Planning/Workplace Design
IMAE 110-3	Geom Dimensioning & Tolerancing	IMAE 442-3	Fundamentals of Leadership
IMAE 208-3	Manufacturing Processes	IMAE 445-3	Computer Integrated Manufacturing
IMAE 305-3	Industrial Safety	IMAE 450-3	Project Management
IMAE 307-3 or MATH 140-4	Applied Calculus for Technology or Short Course in Calculus	IMAE 465-3	Lean Manufacturing
		IMAE 470A-3	Six Sigma Green Belt I
IMAE 340-3 or PSYC 323-3	Intro to Supervision or Organizational Psychology	IMAE 470B-3	Six Sigma Green Belt II
		IMAE 476-3	Supply Chain Design & Strategy
IMAE 376-3	Supply Chain Ops & Logistics	IMAE Elective-3	Must be at 300/400 level
Total Hours to Bachelor Degree: 129 Hours			

Questions? Contact Us!

Salary Range: \$50,000-\$70,000

Possible Careers: Production Manager
Manufacturing Engineer
Quality Engineer
Plant Manager
Project Engineer

Illinois Eastern Community Colleges

Holly Martin
Chief Academic Officer
P: 618-393-2982
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Southern Illinois University Carbondale

Dr. Julie Dunston, Director,
School of Applied Engineering & Technology
P: 618-536-3396
E: dunston@siu.edu

Baccalaureate Degree Requirements

Each candidate for a bachelor's degree must complete the requirements listed:

Hour Requirements. Each student must complete at least 120 semester hours of credit. Each student must have at least 42 hours in courses that number 300 or above from a four-year institution.

Residence Requirements. Each student must complete the residence requirement by taking the last year, which is defined as 30 uninterrupted semester hours, or a total of 90 semester hours at SIU Carbondale.

Grade Point Average Requirements. Each student must have a C average for all work taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.

Dual Admission Program

The Dual Admission Program (DAP) allows baccalaureate-oriented students at eligible community colleges to benefit from pre-advisement for a chosen major at SIU Carbondale. The DAP addresses specific departmental requirements that a student may not automatically fulfill by completing their associate degree at their community college. Students apply to the DAP by completing the Application for Undergraduate Admission and indicating interest in the DAP. Students must have at least two semesters remaining at their community college to participate, must select a participating SIU major, and must attend an eligible community college. Students who apply for the DAP are provided a transfer plan that will guide them to the most direct route to their bachelor's degree, along with personalized contact with an SIU representative. Dual Admission Program students receive access to enroll in an online Dual Admission Program course, which connects students early to the University, its resources, and other transfer students.

Compact Agreement

SIU has recognized the Illinois regionally accredited community college transferable baccalaureate oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIU will continue to recognize the baccalaureate oriented associate degree (A.A. or A.S. degree) under the Illinois Articulation Initiative as satisfying SIU University Core Curriculum (UCC). The Associate of Applied Science (A.A.S.), Associate in Engineering Science (A.E.S.), the Associate in General Studies (A.G.S.), and the Associate in Fine Arts (A.F.A.) are not covered under the Compact Agreement and do not carry the same benefits as the A.A. and A.S. degrees.

Degree Works

Degree Works is an easy-to-use, comprehensive, online degree audit tool specifically designed for students. The audit reflects program requirements from the Undergraduate Catalog measured against registration and transfer work to guide the degree audit function as it applies to the individual student. Once admitted to SIU Carbondale, you can run a Degree Works degree audit against your academic record by searching "Degree Works" in SalukiNet.

PROGRAM ARTICULATION DEGREE PLAN					
Illinois Eastern Community Colleges (Olney Central)		2019-2020	Southern Illinois University Carbondale		
AAS Industrial Maintenance Technology - 61 to 62 hrs			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
			UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			Hrs
ENG 1111	Composition I	3	UNIV 101	Saluki Success	NA
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
SPE 1101	Fundamentals of Effective Speaking	3	CMST 101	Intro to Oral Communication	T
MTH 1102	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	T
IAI SOCIAL/BEHAVIORAL SCIENCE or HUMANITIES*	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE		3
			SOCIAL SCIENCE		T
			HUMANITIES	(See SIUC Equivalency Guide)	3
			HUMANITIES		NA
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
			LIFE SCIENCE, GRP II		3
			FINE ARTS		3
			HUMAN HEALTH		NA
GENERAL EDUCATION ELECTIVE*	(See SIUC Equivalency Guide)	3	MULTICULTURAL	(See SIUC Equivalency Guide)	T
*One of these courses must fulfill Human Diversity requirement		16			16
Program Requirements			Program Requirements		
IMT Level I Certificate:			The AAS degree in Industrial Maintenance Technology as articulated fulfills the 22 hours of technical elective credits required for the BS in Industrial Management & Applied Engineering (IMAE).		
INM 1200	Mechanics	4			
INM 1206	Intro to Industrial Maintenance Technology	2			
INM 2200	Electro-Mechanics I	5			
INM 2210	Occupational Safety (OSHA)	2			
MTH 1102 (Included above - satisfies UCC Math at SIUC)	College Algebra				
IMT Level II Certificate:					
INM 1205	Fluid Power	4			
INM 1220	Basic AC & Refrigeration	4			
INM 2205	Electro-Mechanics II	5			
INM 2206	Program Logic Controllers I	3			
IMT Level III Certificate:					
INM 2228	Lean Manufacturing	3			
INM 2208	Program Logic Controllers II	3			
Technical Studies	Choose from approved courses	10			
		45			
			PHYS 203B/253B	College Physics/Lab	4
			IMAE 110	Geometric Dimensioning and Tolerancing	3
			IMAE 208	Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307 -or- MATH 140	Applied Calculus for Technology -or- Short Course in Calculus	3
			IMAE 340 -or- PSYC 323*	Intro to Supervision -or- Organizational Psychology	3
			IMAE 376	Supply Chain Operations & Logistics	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated Manufacturing	3
			IMAE 450	Project Management	3
			IMAE 465	Lean Manufacturing	3
			IMAE 470A	Six Sigma Green Belt I	3
			IMAE 470B	Six Sigma Green Belt II	3
			IMAE 476	Supply Chain Design & Strategy	3
			IMAE Electives	(Must be at 300/400 level)	3
					62
Total semester hrs completed w/ AAS degree		61	Total semester hrs completed w/ BS degree		68
Degree Plan updated on 10/24/19 by SG			Total semester hrs to BS degree:		129
			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		

PROGRAM ARTICULATION AGREEMENT

BETWEEN

ILLINOIS EASTERN COMMUNITY COLLEGES
(OLNEY CENTRAL COLLEGE)
OLNEY, IL

AND

SOUTHERN ILLINOIS UNIVERSITY CARBONDALE
CARBONDALE, IL

In an effort to provide a continued, articulated higher education baccalaureate degree program that will build on community college and university learning experiences, and also eliminate duplication of instruction, this agreement is entered into this 2nd day of June, 2020 (Effective Date) by and between Illinois Eastern Community Colleges and the Board of Trustees of Southern Illinois University on behalf of Southern Illinois University Carbondale.

I. TERM AND TERMINATION

- A. Term. This Agreement shall commence as of the Effective Date (or if no Effective Date is indicated upon the date the Agreement is fully executed by the Parties) and shall remain in effect for a period of five (5) years thereafter. The Parties may renew or extend this Agreement only by written instrument signed by the authorized representatives of each Party.
- B. Termination. This Agreement may be terminated by either Party, with or without cause, upon 60 days advance written notice. The Parties agree that no additional students shall be accepted into the program after a Party's receipt of any written notice of termination. No qualified student then-enrolled in the program shall be deprived the opportunity to complete the program requirements solely due to termination.

II. TRANSFER REQUIREMENTS

- A. All graduates of Illinois Eastern Community Colleges with an Associate in Applied Science (A.A.S.) degree in Industrial Maintenance Technology and meeting SIU Carbondale admission requirements will be considered for admission into SIU Carbondale's Bachelor of Science (B.S.) degree in Industrial

Management and Applied Engineering (IMAE) in the College of Engineering based upon the Department's enrollment criteria and space availability.

B. An Illinois Eastern Community Colleges graduate receiving an A.A.S. degree in Industrial Maintenance Technology will be considered for admission to SIU Carbondale's Industrial Management and Applied Engineering (IMAE) program if the following are met:

1. The student has earned a minimum of 61 semester hours transferable to SIU Carbondale
2. The student has earned an overall grade point average (GPA) of 2.0 or above (4.0 scale) for his or her collegiate work as calculated by SIU Carbondale's grading regulations
3. Confirmation by the SIU Carbondale College of Engineering that the student has satisfactorily completed the following courses as part of the A.A.S. degree in Industrial Maintenance Technology at Illinois Eastern Community Colleges:

- ENG 1111-3, *Composition I*
- INM 1200-4, *Mechanics*
- INM 1205-4, *Fluid Power*
- INM 1206-2, *Intro to Industrial Maintenance Technology*
- INM 1220-4, *Basic AC & Refrigeration*
- INM 2200-5, *Electro-Mechanics I*
- INM 2205-5, *Electro-Mechanics II*
- INM 2206-3, *Program Logic Controllers I*
- INM 2208-3, *Program Logic Controllers II*
- INM 2210-2, *Occupational Safety (OSHA)*
- INM 2228-3, *Lean Manufacturing*
- MTH 1102-4, *College Algebra*
- GENERAL EDUCATION ELECTIVE - 3 hours
- SPE 1101-3, *Fundamentals of Effective Speaking*
- IAI SOCIAL/BEH SCIENCE or HUMANITIES - 3 hours
- TECHNICAL STUDIES - 10 hours

C. Acceptance into the Capstone Option reduces the University Core Curriculum for the A.A.S. degree recipient in Industrial Maintenance Technology at Illinois Eastern Community Colleges pursuing the B.S. in Industrial Management and Applied Engineering (IMAE) at SIU Carbondale to 30 semester hours. This, along with taking the courses listed above as part of the A.A.S. degree makes it

possible for the student to complete the B.S. in Industrial Management and Applied Engineering (IMAE) at SIU Carbondale in approximately 68 additional semester hours beyond the A.A.S. degree.

- D. Illinois Eastern Community Colleges students transferring to the Industrial Management and Applied Engineering (IMAE) baccalaureate degree program at SIU Carbondale who have not completed all of his or her Associate in Applied Science degree requirements at Illinois Eastern Community Colleges will have their related coursework evaluated on a course-by-course basis by the appropriate SIU Carbondale department. These students will also not be eligible to receive the Capstone Option benefits and will be considered based upon the Department's enrollment criteria and space availability.
- E. Students will be required to complete a minimum of 42 senior institution hours at the 300-400 course level, with the last 30 such senior institution hours being at SIU Carbondale for residency purposes. Those students enrolled in an approved program delivered by SIU Carbondale Extended Campus will have completed the residency requirement for the University upon completion of all courses required by the program. All students will be required to complete at least 120 hours with an overall GPA of 2.0 on a 4.0 scale to receive a Bachelor of Science degree in Industrial Management and Applied Engineering (IMAE). Coursework may include University Core Curriculum as well as Industrial Management and Applied Engineering major courses.

III. COURSE DELIVERY

- A. Delivery of courses and programs will be based on mutual agreement between the parties (as specified in the SIU Carbondale program) provided there is a minimum class enrollment in each course adequate to meet expenses. Courses with inadequate enrollment may be subject to cancellation. SIU Carbondale shall notify Illinois Eastern Community Colleges of any cancellation due to inadequate enrollment.
- B. SIU Carbondale will perform registration and advisement counseling as needed to support the courses offered. SIU Carbondale will designate an individual(s) as a concurrent enrollment liaison to work in conjunction with Illinois Eastern Community Colleges and students as needed. Advisement about program requirements will be provided by the academic college offering the courses/programs.

- C. SIU Carbondale will obtain all permission and approvals necessary to teach these courses in the State of Illinois.
- D. SIU Carbondale reserves the right to approve and edit all news releases, advertising and other public announcements and information pieces relating to the performance of this Agreement.
- E. This agreement permits students to enroll concurrently at SIU Carbondale and Illinois Eastern Community Colleges to complete the degree.

IV. ILLINOIS EASTERN COMMUNITY COLLEGES DUTIES: ILLINOIS EASTERN COMMUNITY COLLEGES SHALL BE RESPONSIBLE FOR THE FOLLOWING OBLIGATIONS AND CONDITIONS:

- A. Subject to federal and state guidelines, Illinois Eastern Community Colleges will be considered the home institution for the purpose of processing Financial Aid until such time that the student either graduates or severs ties with Illinois Eastern Community Colleges.
- B. Designate in writing a person or persons as point of contact between Illinois Eastern Community Colleges and SIU Carbondale on all matters relating to the courses delivered.
- C. Reserve the right to approve and edit all news releases, advertising and other public announcements and information pieces relating to the performance of this Agreement.
- D. Permit students to enroll concurrently at SIU Carbondale and Illinois Eastern Community Colleges to complete a degree.

V. PROGRAM ARTICULATION COMMUNICATION

- A. An SIU Carbondale College of Engineering, Industrial Management and Applied Engineering representative will communicate periodically with Illinois Eastern Community Colleges personnel in Industrial Maintenance Technology for general advisement and degree planning purposes.
- B. Upon successful completion of all degree requirements, and following all policies and regulations stated in the program and SIU Carbondale guidelines, Illinois Eastern Community Colleges students will be eligible to receive the Bachelor of

Science degree in Industrial Management and Applied Engineering (IMAE),
College of Engineering, Southern Illinois University Carbondale.

- C. Should changes occur in course or program content, the institution making the change agrees to notify the other institution in writing so that this agreement can be re-evaluated. Notice of changes shall be given at least 45 days prior to the beginning of the semester when the change is implemented.
- D. The Parties acknowledge and agree that the terms of this Agreement may result in the disclosure of personally identifiable information from education records protected from disclosure and re-disclosure by the Family Educational Rights and Privacy Act of 1974 ("FERPA"). Accordingly, the Parties agree that all disclosures or redisclosures of such personally identifiable information shall be in accordance with FERPA. As used in this section, the terms "personally identifiable information" and "education records" shall have the meanings ascribed to them in 34 C.F.R. § 99.3.
- E. Indemnification:
 - 1. To the extent permitted by law and not inconsistent with the doctrine of sovereign immunity, SIU Carbondale shall indemnify and hold harmless Illinois Eastern Community Colleges, its agents and employees, from any claims, demands, or causes of action arising out of the negligent acts or omissions of SIU Carbondale, its agents or employees, in the performance of SIU Carbondale's obligations under this Agreement.
 - 2. To the extent permitted by law, Illinois Eastern Community Colleges shall indemnify and hold harmless SIU Carbondale, its agents and employees, from any claims, demands, or causes of action arising out of negligent acts or omissions of the College, its agents or employees, in the performance of the College's obligations under this Agreement.
- F. Reasonable efforts will be made to resolve problems with student(s) through discussions with the student's program instructor, supervisor, and SIU Carbondale's faculty members; however SIU Carbondale reserves the right to remove any student from enrollment at SIU Carbondale upon the determination that the student is unable or unwilling to fulfill the requirements of SIU Carbondale's educational program and mission, including but not limited to the rules and regulations of Southern Illinois University Carbondale, the policies of the Board of Trustees of SIU Carbondale, and the SIU Carbondale Student Conduct Code. SIU Carbondale shall also have the right to withdraw any student from its education degree program in accordance with its academic requirements,

including but not limited to unsatisfactory academic performance and/or social misconduct.

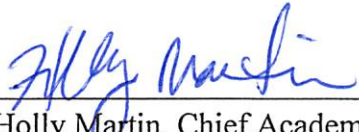
- G. Neither party will discriminate against any applicant or student in the nomination, selection, or training because of religion, race, sex, sexual orientation, creed, handicap, national origin, or age.
- H. Notices should be mailed to the following addresses by first class mail in order to fulfill any notice or revision of requirements under this Agreement:

For SIU Carbondale: Dr. Julie Dunston, Director & Associate Professor
School of Applied Engineering & Technology
Director, Technology Off Campus Degree Program
SIUC, Engineering D105, Mailcode 6603
Carbondale, IL 62901-6603
Phone: 618-536-3396
Email: dunston@siu.edu

For IL Eastern Community Colleges: Holly Martin, Chief Academic Officer
233 East Chestnut
Olney, IL 62450
Phone: 618-393-2982
Email: martinh@iecc.edu

IN WITNESS WHEREOF, the parties have executed this Agreement by their duly authorized, respective officers, and by doing so, hereby affirm that the Agreement is enforceable on behalf of and against each party as of the date written herein.

ILLINOIS EASTERN COMMUNITY COLLEGES



Holly Martin, Chief Academic Officer
Illinois Eastern Community Colleges

5/27/2020

Date

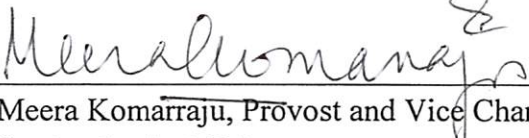


Marilyn Holt, Chief Executive Officer
Illinois Eastern Community Colleges

5-26-2020

Date

BOARD OF TRUSTEES OF SOUTHERN ILLINOIS UNIVERSITY



Meera Komarraju, Provost and Vice Chancellor
for Academic Affairs
for John Dunn, Interim Chancellor
Southern Illinois University Carbondale

Feb. 26, '20

Date

SAW
APPROVED
AS TO
LEGAL FORM


2-20-2020