TRANSFER GUIDE

AAS Industrial Maintenance Tech transferring into BS Electrical Engineering Technology (EET)

Illinois Eastern Community Colleges Courses			
AAS Industrial Maintenance Technology – 60 hours			
ENG 1111-3	Composition I	CERT-16	C501 or C507 and MTH 1201
SPE 1101-3	Fundamentals of Effective Speaking	CERT-16	C502 Certificate
Elective-3	IAI Social Science or Humanities	CERT-16	C503 Certificate
Elective-3	General Education Elective	*Must satisfy the IECC Human Diversity Requirement*	
Southern Illinois University Carbondale Courses Capstone Option			
BS Electrical Engineering Technology (EET) – 91 hours			
BIOL 202-2	Human Genetics and Human Health	EET 403A-4	Electronic Circuit Analysis
MATH 111-4	Precalculus	EET 403B-4	Electronics Application & Design
Elective-3	Social Science	EET 437A-4	Telecomm System Fundamentals
Elective-3	Fine Arts	EET 437B-4	Data & Computer Communication
Elective-3	Multicultural	EET 438A-4	Automatic Control Systems Tech
ENGR 222-2	Comp Methods for Engr & Tech	EET 438B-4	Seq Digital Ctrl & Data Acquisition
EET 150-2	Intro to Electrical Engineering Tech	EET 439-4	Microcontroller App & Design
EET 238-3	Digital System Fundamentals	EET 495A-1	EET Senior Design I
EET 245-4	Intro Circuit Theory & Application	EET 495B-1	EET Senior Design II
EET 304A-4	AC/DC Circuit Theory & Application	MATH 150-4	Calculus I
EET 304B-4	Network Theory & Application	MATH 282-3	Introduction to Statistics
EET 332A-4	DC Motors, Generators & Energy Conversion Devices	MGMT 202-3	Business Communications
		PHYS 203/253A-4	College Physics II/Lab
EET 332B-4	AC Electrc Machines & Powr Systems	PHYS 203/253B-4	College Physics II/Lab
Total Hours to Bachelor Degree: 151 Hours			

Questions? Contact Us!

Salary Range: $55,000-$75,500

Possible Careers: Electronics Design Engineer
Field Service Engineer
Hardware Engineer
Senior Engineering Technician
Test Engineer

Illinois Eastern Community Colleges
Alyssa Maglone
Assistant Dean of Academic Services
P: 618-879-9443
E: maglonea@iecc.edu

Southern Illinois University Carbondale
Dr. Carl Spezia, Program Coordinator
Electrical Engineering Technology
P: 618-453-7839
E: powerguy@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 College 2022-2023
AAS Industrial Maintenance Technology - 60 hrs

Southern Illinois University Carbondale
BS Electrical Engineering Technology (EET) - 120 hrs

		Hrs	UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs		Hrs
			UNIV 101	Foundations of Inquiry	NA
ENG 1111	Composition I	3	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
			MATH 111	Precalculus	4
	IAI Social Science* -OR-	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
			SOCIAL SCIENCE		3
	IAI Humanities*		HUMANITIES		T
			HUMANITIES		NA
			PHYS 203A/253A	College Physics/Lab	4
			LIFE SCIENCE	Students take 2 physics courses	NA
			FINE ARTS		3
			BIOL 202	Human Genetics and Human Health	2
*The Humanities or Social Science Elective must satisfy the IECC Human Diversity Requirement			MULTICULTURAL		3
		9			**19**

Program Requirements			**Program Requirements**		
Elective	General Education Elective	3			
Choose C501 or C507 Certificate					
C501 Certificate					
INM 1200	Mechanics	3			
INM 1206	Intro to Industrial Maintenance Technology	2			
INM 1210	Blueprints and Schematics	3			
INM 2210	Occupational Safety (OSHA)	1			
INM 2228	Lean Manufacturing	3			
C507 Certificate					
INM 2206	Programmable Controllers I	3			
INM 2207	Robotics Technology	3			
INM 2208	Programmable Controllers II	3	**The AAS degree in Industrial Maintenance Technology as articulated fulfills the 7 hours of technical electives required for the BS degree in Electrical Engineering Technology (EET).**		
INM 2211	Mechatronics I	4			
INM 2212	Programmable Controllers III	3			
MTH 1201	Technical Math	4			
C502 Certificate					
INM 1212	CPT Safety	3			
INM 1213	CPT Quality	3			
INM 1214	CPT Manufacturing Process	3			
INM 1215	CPT Maintenance Awareness	3			
C503 Certificate					
EGR 1131	Engineering Graphics and Design	3			
INM 1205	Fluid Power	3			
INM 2200	Electo-Mechanics I	5			
INM 2205	Electo-Mechanics II	5			
		51			
			ENGR 222	Computational Methods for Engineers and Technologists	2
			MATH 150	Calculus I	4
			MATH 282	Intro to Statistics	3
			MGMT 202	Business Communications	3
			PHYS 203B/253B	College Physics II/Lab	4
			EET 150	Intro to Electrical Engineering Technology	2
			EET 238	Digital System Fundamentals	4
			EET 245	Introductory Circuit Theory & Applications	4
			EET 304A	AC/DC Circuit Theory and Application	4
			EET 304B	AC Network Theory and Application	4
			EET 332A	DC Motors, Generators and Energy Conversion Devices	4
			EET 332B	AC Electric Machines and Power Systems	4
			EET 403A	Electronic Circuit Analysis	4
			EET 403B	Electronics Application and Design	4
			EET 437A	Telecommunication Systems Fundamentals	4
			EET 437B	Data and Computer Communication	4
			EET 438A	Automatic Control Systems Technology	4
			EET 438B	Sequential Digital Control and Data Acquisition	4
			EET 439	Microcontroller Application and Design	4
			EET 495A	Senior Design I	1
			EET 495B	Senior Design II	1
					72
Total semester hrs completed w/ AAS degree		**60**	**Total semester hrs completed with BS degree:**		**91**
Degree Plan updated on 8/10/2022 by SW			**Total semester hours to BS Degree**		**151**