TRANSFER GUIDE

AAS Electrical Engineering Technology transferring into BS Electrical Engineering Technology

John A Logan College Courses			
AAS Electrical Engineering Technology – 65 hours			
ORI 100-1	College 101	ELT 151-3	Applied Solid State Circuits
COM 115-3	Speech	ELT 200-3	Introduction to Microprocessors
ENG 101-3	English Composition I	ELT 210-3	A+ Preparation Essentials
MAT 111-5	Pre-Calculus	ELT 214-3	A+ Preparation IT Technician
PHY 155-5	College Physics I	ELT 215-3	IOT and Embedded Systems
ELT 102-4	Basic Electricity and Wiring	ELT 218-3	Introduction to Network Technologies
ELT 103-3	Applied DC/AC Circuits	ELT 220-3	Linear Integrated Circuits
ELT 111-3	Digital Electronics I	ELT 224-3	Power Distribution and Motors
ELT 112-3	Digital Electronics II	MAT 131-5	Calculus I
ELT 150-3	Applied Solid State Electronics	MFT 103-3	Industrial Robots and PLC's
Southern Illinois University Carbondale Courses			
BS Electrical Engineering Technology (EET) – CAPSTONE – 75 hours			
Elective-3	Social Science	EET 332B-4	AC Electric Machines & Powr Systems
Elective-3	Social Science	EET 403A-4	Electronic Circuit Analysis
Elective-3	Humanities	EET 403B-4	Electronics Application & Design
Elective-3	Fine Arts	EET 437A-4	Telecomm System Fundamentals
Elective-3	Multicultural	EET 437B-4	Data & Computer Communication
BIOL 202-2	Human Genetics and Human Health	EET 438A-4	Automatic Control Systems Technology
ENGR 222-2	Comp Methods for Engr & Tech	EET 438B-4	Seq Digital Ctrl & Data Acquisition
EET 238-3	Digital System Fundamentals	EET 439-4	Microcontroller App & Design
EET 304A-4	AC/DC Circuit Theory & Application	EET 495A-1	EET Senior Design I
EET 304B-4	Network Theory & Application	EET 495B-1	EET Senior Design II
EET 332A-4	DC Motors, Generators & Energy Conversion Devices	MATH 282-3	Introduction to Statistics
		PHYS 203/253B-4	College Physics II/Lab
Total Hours to Bachelor Degree: 141 Hours			

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

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

Questions? Contact Us!

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Baccalaureate Degree Requirements

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

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

Residence Requirements. Student must complete the residency requirement by taking a total of 42 semester hrs at SIU Carbondale.

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

Compact Agreement

SIU Carbondale has recognized Illinois regionally accredited community college transferable baccalaureate-oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIUC 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) requirements. 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.

Saluki Transfer Pathways

Saluki Transfer Pathways is the university's dual admission program that allows baccalaureate-oriented students at eligible community colleges intending to transfer to SIU Carbondale to benefit from early admission and pre-advisement for a baccalaureate program at SIUC. Saluki Transfer Pathways allows students to be conditionally admitted to SIU Carbondale up to two years in advance of their intended transfer term so they have access to transfer credit evaluation and the university's degree audit system. This allows students to address major specific requirements that may not be automatically fulfilled with the completion of an associate degree. Students apply to Saluki Transfer Pathways by completing the Application for Undergraduate Admission and indicating an interest in the program. To participate, students must have at least two semesters remaining at their community college, must attend an eligible community college, and must select a participating SIU major. Direct questions about the Saluki Transfer Pathways program to transfer@siu.edu.

DegreeWorks

DegreeWorks is an easy-to-use, online degree audit tool specifically designed for students. Once admitted to SIU Carbondale, you can use it monitor your progress toward your degree in Salukinet.

Saluki Transfer Estimator Portal (STEP)

The Saluki Transfer Estimator Portal (STEP) is a web-based tool that integrates institutional course equivalency and degree audit data to provide an unofficial credit estimation and a more seamless transfer process. STEP gives transfer students a clear roadmap for timely degree completion by providing key information about how transfer credits apply to your intended program at SIU.

PROGRAM ARTICULATION DEGREE PLAN					
John A Logan College	***2022-2023***		***Southern Illinois University Carbondale***		
AAS Electrical Engineering Technology - 66 hrs			BS Electrical Engineering Technology (EET) - 120 hrs		
			University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			**Hrs**
			UNIV 101	Saluki Success	NA
ENG 101 -or- ENG 113	English Composition I -or- Professional Tech Writ	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
COM 115	Speech	3	CMST 101	Intro to Oral Communication	T
MAT 111	Precalculus	5	MATH 111	Precalculus	T
			SOCIAL SCIENCE		3
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 155	College Physics	5	PHYS 203A/253A (Required for BS degree)	College Physics/Lab	T
			LIFE SCIENCE, GRP II	BS degree requires 2 PHYS courses	NA
			FINE ARTS		3
			BIOL 202	Human Genetics and Human Health	2
			MULTICULTURAL		3
		16			**17**
Program Requirements			**Program Requirements**		
ORI 100	College 101	1			
ELT 102	Basic Electricity and Wiring	4			
ELT 151	Applied Solid State Circuits	3			
ELT 200	Introduction to Microprocessors	3			
ELT 210	A+ Preparation Essentials	3			
ELT 214	A+ Preparation IT Technician	3			
ELT 215	IOT and Embedded Systems	3			
ELT 218	Introduction to Network Technologies	3			
ELT 220	Linear Integrated Circuits	3			
ELT 224	Power Distribution and Motors	3			
MFT 103	Industrial Robots and PLCs	3			
ELT 103	Applied DC/AC Circuits	4	EET 245 (Required for BS degree)	Introductory Circuit Theory & Applications	T
ELT 150	Applied Solid State Electronics	3	EET 150 (Required for BS degree)	Intro to Electrical Engineering Technology	T
ELT 111	Digital Electronics I	3	EET 238 (Required for BS degree)	Digital System Fundamentals	T
ELT 112	Digital Electronics II	3			
MAT 131	Calculus	5	MATH 150	Calculus I	T
		50			
			ENGR 222	Computational Methods for Engineers and Technolo	2
			MATH 282	Statistics	3
			MGMT 202	Business Communications	3
			PHYS 203B/253B	College Physics/Lab	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 Devi	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
					58
Total semester hrs completed w/ AAS degree		**66**	**Total semester hrs completed w/ BS degree**		**75**
			Total semester hours to BS degree:		**141**

The AAS degree in Electronics Technology as articulated fulfills the technical elective requirements for the BS degree in Electricl Engineering Technology (EET).