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SIU CARBONDALE

TRANSFER GUIDE

AAS Biomedical Electronics Technology transferring into BS Electrical Engineering Technology

John A Logan College Courses			
AAS Biomedical Electronics Technology – 66 hours			
ORI 100-1	College 101	ELT 151-3	Applied Solid State Circuits
COM 115-3	Speech	ELT 170-3	Biomedical Instrumentation I
ENG 101/113-3	English Comp I/Prof Tech Writing	ELT 200-3	Intro to Microprocessors
MAT 112/113-3	Intro to Contemporary Math	ELT 210-3	Supporting Computer Operating Syst
PHY 121-3	Technical Physics	ELT 214-3	Fundamentals Computing Hardware
Elective-3	IAI Social & Behavioral Science	ELT 215-3	IOT & Embedded Systems
ELT 102-4	Basic Electricity & Wiring	ELT 218-3	Intro to Network Technologies
ELT 103-4	Applied DC/AC Circuits	ELT 220-3	Special Projects in Electronics
ELT 111-3	Digital Electronics I	ELT 250-3	Biomedical Instrumentation II
ELT 112-3	Digital Electronics II	ELT 280-3	Biomedical Instrumentation III
ELT 150-3	Applied Solid State Electronics	ALH 217-3	Medical Terminology I
Southern Illinois University Carbondale Courses Capstone Option			
BS Electrical Engineering Technology (EET) – 81 hours			
Elective-3	Social Science	EET 304B,304BL-4	Network Theory & App w/Lab
Elective-3	Humanities	EET 332A,332AL-4	DC Motor Gen Enrgy Conv Dev w/Lab
Elective-3	Life Science	EET 332B,332BL-4	AC Electric Mach & Pwr Syst w/Lab
Elective-3	Fine Arts	EET 403A,403AL-4	Electronic Circuit Analysis w/Lab
Elective-3	Multicultural	EET 437A,437AL-4	Telecomm Syst Fundamentals w/Lab
MATH 111-4	Precalculus	EET 437B,437BL-4	Data & Computer Comm w/Lab
MATH 150-4	Calculus I	EET 438A,438AL-4	Auto Control Systems Tech w/Lab
MGMT 202-3	Business Communications	EET 438B,438BL-4	Seq Digital Ctrl & Data Acq w/Lab
MATH 282-3	Intro to Statistics	EET 439,439L-4	Microcontroller App & Design w/Lab
PHYS 203B,253B-4	College Physics w/Lab	EET 440,440L-4	Embedded Systems Design w/Lab
1 Course-2	CS 202 or ECE 222 or ENGR 222	EET 495A-1	EET Senior Design I
EET 304A,304AL-4	AC/DC Circuit Theory & App w/Lab	EET 495B-1	EET Senior Design II
Total Hours to Bachelor Degree: 147 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	***2024-2025***		***Southern Illinois University Carbondale***		
AAS Biomedical Electronics 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
COM 115	Speech	3	CMST 101	Intro to Oral Communication	T
ENG 101 -or- 113	English Composition I -or- Prof Tech Writing	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MAT 112 -or- 113	Intro to Contemporary Math	3	MATH 101	Intro to Contemporary Math	T
	IAI Social & Behavioral Science	3	SOCIAL SCIENCE	*See SIUC Transfer Equivalency Guide*	T
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 121	Technical Physics	3	SC1 1XX	UCC Physical Science Sub 100-level	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		15			**15**
Program Requirements			**Program Requirements**		
ORI 100	College 101	1			
ALH 217	Medical Terminology I	3			
ELT 102	Basic Electricity & Wiring	4			
ELT 170	Biomedical Instrumentation I	3	**The AAS degree in Biomedical Electronics Technology as articulated fulfills the 7 hours of techncial electives required for the BS degree in Electrical Engineering Technology (EET).**		
ELT 200	Intro to Microprocessors	3			
ELT 215	IOT & Embedded Systems	3			
ELT 220	Special Projects in Electronics	3			
ELT 250	Biomedical Instrumentation II	3			
ELT 280	Biomedical Instrumentation III	3			
ELT 103	Applied DC/AC Circuits	4	EET 245	Intro Circuit Theory & Applications	T
ELT 111	Digital Electronics I	3	EET 238	Digital System Fundamentals	T
ELT 112	Digital Electronics II	3	EET 238L	Digital System Fundamentals Lab	T
ELT 150	Applied Solid State Electronics	3	EET 150	Intro to Electrical Engineering Technology	T
ELT 151	Applied Solid State Circuits	3	EET 245L	Intro Circuit Theory & Applications Lab	T
ELT 210	Supporting Computer Operating Systems	3	ITEC 2XX (elective)	ITEC Elective 200-level	T
ELT 214	Fundamentals of Computing Hardware	3	ITEC 2XX (elective)	ITEC Elective 200-level	T
ELT 218	Intro to Network Technologies	3	ITEC 224	Network Fundamentals	T
		51			
			MATH 111	Precalculus	4
			MATH 150	Calculus I	4
			MATH 282	Intro to Statistics	3
			MGMT 202	Business Communications	3
			PHYS 203B -and- 253B	College Physics w/Lab	4
			Select 1 Course:	CS 202 -or- ECE 222 -or- ENGR 222	2
			EET 304A	AC/DC Circuit Theory & Application	3
			EET 304AL	AC/DC Circuit Theory & Application Lab	1
			EET 304B	Network Theory & Application	3
			EET 304BL	Network Theory & Application Lab	1
			EET 332A	DC Motors, Generators & Energy Conversion Devices	3
			EET 332AL	DC Motors, Generators & Energy Conversion Devices Lab	1
			EET 332B	AC Electric Machines & Power Systems	3
			EET 332BL	AC Electric Machines & Power Systems Lab	1
			EET 403A	Electronic Circuit Analysis	3
			EET 403AL	Electronic Circuit Analysis Lab	1
			EET 437A	Telecommunication Systems Fundamentals	3
			EET 437AL	Telecommunication Systems Fundamentals Lab	1
			EET 437B	Data & Computer Communication	3
			EET 437BL	Data & Computer Communication Lab	1
			EET 438A	Automatic Control Systems Technology	3
			EET 438AL	Automatic Control Systems Technology Lab	1
			EET 438B	Sequential Digital Control & Data Acquisition	3
			EET 438BL	Sequential Digital Control & Data Acquisition Lab	1
			EET 439	Microcontroller Application & Design	3
			EET 439L	Microcontroller Application & Design Lab	1
			EET 440	Embedded Systems Design	3
			EET 440L	Embedded Systems Design Lab	1
			EET 495A	Electrical Engineering Technology Senior Design I	1
			EET 495B	Electrical Engineering Technology Senior Design II	1
					66
Total semester hrs completed w/AAS degree:		**66**	**Total semester hrs completed w/BS degree:**		**81**
			Total hrs to BS Degree:		**147**
Degree Plan updated on 10/25/24 by SG					