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SIU CARBONDALE

TRANSFER GUIDE

AAS Electrical Engineering Technology transferring into BS Aviation Technologies Aviation Electronics

John A Logan College Courses			
AAS Electrical Engineering Technology – 66 hours			
ENG 101/113-3	English Comp I/Prof Tech Writing	ELT 151-3	Applied Solid State Circuits
COM 115-3	Speech	ELT 200-3	Intro to Microprocessors
MAT 111-5	Precalculus	ELT 210-3	Supporting Computer Operating Systems
PHY 155-5	College Physics I	ELT 214-3	Fundamentals of Computing Hardware
ORI 100-1	College 101	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 224-3	Power Distribution & Motors
ELT 112-3	Digital Electronics II	MFT 103-3	Industrial Robots & PLCs
ELT 150-3	Applied Solid State Electronics	MAT 131-5	Calculus I
Southern Illinois University Carbondale Courses Capstone Option			
BS Aviation Technologies (AVT) Aviation Electronics Specialization – 60 hours			
Elective-3	Social Science	AVT 318-3	Aviation Electronics Controls Systems
Elective-3	Social Science	AVT 321-3	Radio Theory & Practice
Elective-3	Humanities	AVT 327-3	Aircraft Communication
Elective-3	Life Science	AVT 380-3	Aerospace Supply Chain Logistics
Elective-3	Fine Arts	AVT 390-3	MIS for Aerospace Applications
Elective-3	Multicultural	AVT 405-3	Flight Management Systems
AVM 376-3	Aviation Maintenance Mgmt	AVT 410-3	Advanced Composites
AVT 305-4	Cabin Environ & Jet Trans Systems	AVT 465-5	Digital Data Bussing & EFIS
AVT 310-3	Aircraft Electrical Systems	AVT 470-3	Reliability, Maintainability Fault Pred Anlys
AVT 317-3	Intro to Aviation Electronics		
Total Hours to Bachelor's Degree: 126 Hours			

Salary Range: $60,000-$84,000

Possible Careers:
Aircraft Mechanic Inspector
Powerplant Mechanic
Air Frame Mechanic
Avionics Technician

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. 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 Electrical Engineering Technology - 66 hrs			BS Aviation Technologies (AVT) Aviation Electronics Specialization - 120 hrs		
			University Core Curriculum (UCC) - Capstone Option 30 hours		
		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 Technical Writing	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MAT 111	Pre-Calculus	5	MATH 111	Precalculus	T
			SOCIAL SCIENCE		3
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 155	College Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		16			**18**
Program Requirements			**Program Requirements**		
ORI 100	College 101	1			
ELT 102	Basic Electricity & Wiring	4			
ELT 111	Digital Electronics I	3			
ELT 112	Digital Electronics II	3			
ELT 151	Applied Solid State Circuits	3	**An AAS in Electrical Engineering Technology satisfies the 42 hours of technical electives required for a BS in Aviation Technologies (AVT) Aviation Electronics Specialization.**		
ELT 215	IOT & Embedded Systems	3			
ELT 220	Special Projects in Electronics	3			
ELT 224	Power Disribution & Motors	3			
MFT 103	Industrial Robots & PLCs	3			
ELT 103	Applied DC/AC Circuits	4	EET 245 (elective)	Introductory Circuit Theory & Applications	T
ELT 150	Applied Solid State Electronics	3	EET 150 (elective)	Intro to Electrical Engineering Technology	T
ELT 200	Intro to Microprocessors	3	EET 238 (elective)	Digital System Fundamentals	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 (elective)	Network Fundamentals	T
MAT 131	Calculus I	5	MATH 150	Calculus I	T
		50			
			AVM 376	Aviation Maintenance Management	3
			AVT 305	Cabin Environment & Jet Transport Systems	4
			AVT 310	Aircraft Electrical Systems	3
			AVT 317	Intro to Aviation Electronics	3
			AVT 318	Aviation Electronics Controls Systems	3
			AVT 321	Radio Theory & Practice	3
			AVT 327	Aircraft Communication	3
			AVT 380	Aerospace Supply Chain Logistics	3
			AVT 390	MIS for Aerospace Applications	3
			AVT 405	Flight Management Systems	3
			AVT 410	Advanced Composites	3
			AVT 465	Digital Data Bussing & EFIS	5
			AVT 470	Reliability, Maintainability, & Fault Prediction & Analysis	3
					42
Total semester hrs completed w/AAS degree:		**66**	**Total semester hrs completed w/BS degree:**		**60**
			Total hrs to BS degree:		**126**
Degree Plan updated on 9/16/24 by SG					