

TRANSFER GUIDE

AAS Electronics Technology transferring into BS Aviation Technologies

John A Logan College Courses			
AAS Electronics Technology – 65 hours			
ORI 100-1	College 101	ELT 150-3	Applied Solid State Electronics
COM 115-3	Speech	ELT 151-3	Applied Solid State Circuits
ENG 101-3	English Composition I	ELT 200-3	Intro to Microprocessors
MAT 112 or 113-3	Intro to Contemporary Math	ELT 210-3	A+ Preparation Essentials
PHY 121-3	Technical Physics	ELT 214-3	A+ Preparation IT Technician
Elective-3	Social and Behavior Science	ELT 215-3	IOT and 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	Linear Integrated Circuits
ELT 104-2	Intro to VFDs	ELT 224-3	Power Distribution and Motors
ELT 111-3	Digital Electronics I	MFT 103-3	Industrial Robotics & PLCs
ELT 112-3	Digital Electronics II	MFT 201-3	PLC Manufacturing Systems
Southern Illinois University Carbondale Courses			
BS Aviation Technologies (Aviation Electronics Specialization) – 60 hours			
Elective-3	Social Science	AVT 321-3	Radio Theory and Practice
Elective-3	Humanities	AVT 327-5	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
AVT 305-5	Cabin/Environ Jet Transport Sys	AVT 440-3	Unmanned Aircraft Systems
AVT 310-5	Aircraft Electrical Systems	AVT 465-5	Digital Data Bussing
AVT 317-3	Intro to Aviation Electronics	AVT 470-3	Reliability, Maintainability
AVT 318-3	Aviat Electronics Control Syst	TRM 364-3	Work Center Management
Total Hours to Bachelor Degree: 125 Hours			

Questions? Contact Us!

John A Logan College

Emily Monti

Associate Mngr for Curriculum & Instruction

P: 618-985-3741 ext 8514

E: emilymonti@jalc.edu

Southern Illinois University Carbondale

Dr. Karen Johnson

Associate Professor, Aviation Technologies

P: 618-453-9210

E: karen.johnson@siu.edu

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

Possible Careers: Aircraft Mechanic
Engine Specialist
Inspector
Power Plant Mechanic
Air Frame Mechanic
Avionics Technician

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	2022-2023	Southern Illinois University Carbondale	
AAS - Electronics Technology - 65 hrs		BS - Aviation Technologies - Aviation Electronics Specialization - 120 hrs	
		University Core Curriculum (UCC) - Capstone Option 30 hours	
		Hrs	Hrs
ORI 100	College 101	1	UNIV 101 Saluki Success
COM 115	Speech	3	CMST 101 Intro Oral Communication
ENG 101	English Composition I	3	ENGL 101 English Composition I
			ENGL 102 English Composition II
MAT 112 or 113	Intro to Contemporary Math	3	MATHEMATICS See <i>SIUC Transfer Equivalency Guide</i>
	IAI Social and Behavioral Science Elective	3	SOCIAL SCIENCE See <i>SIUC Transfer Equivalency Guide</i>
			SOCIAL SCIENCE 3
			HUMANITIES 3
			HUMANITIES NA
PHY 121	Technical Physics	3	PHYS 101 Physics that Changed the World
			LIFE SCIENCE 3
			FINE ARTS 3
			HUMAN HEALTH NA
			MULTICULTURAL 3
		16	15
Any additional courses may be taken at John A. Logan College provided they are IAI designated courses or have been articulated to meet a category within the University Core Curriculum			
Program Requirements		Program Requirements	
ELT 102	Basic Electricity and Wiring	4	An AAS in Electronics Technology satisfies the 39 hours of technical electives required for a BS in Aviation Technologies - Aviation Electronics Specialization
ELT 103	Applied DC/AC Circuits	4	
ELT 104	Intro to VFDs	2	
ELT 111	Digital Electronics I	3	
ELT 112	Digital Electronics II	3	
ELT 150	Applied Solid State Electronics	3	
ELT 151	Applied Solid State Circuits	3	
ELT 200	Intro 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	Intro to Network Technologies	3	
ELT 220	Linear Integrated Circuits	3	
ELT 224	Power Distribution and Motors	3	
MFT 103	Industrial Robots and PLCs	3	
MFT 201	PLC Manufacturing Systems	3	
		49	
			AVT 305 Cabin Envirn/Jet Transport Sys 5
			AVT 310 Aircraft Electrical Systems 5
			AVT 317 Intro to Aviation Electronics 3
			AVT 318 Aviat Electronics Control Syst 3
			AVT 321 Radio Theory & Practice 3
			AVT 327 Aircraft Communication 3
			AVT 380 Aerospc Supply Chain Logistics 3
			AVT 390 MIS for Aerospace Applications 3
			AVT 405 Flight Management Systems 3
			AVT 440 Unmanned Aircraft Systems 3
			AVT 465 Digital Data Bussing 5
			AVT 470 Reliability, Maintainability 3
			TRM 364 Work Center Management 3
			45
Total semester hrs completed w/AAS degree:		65	Total semester hrs completed w/BS degree: 60
			Total hrs to BS degree: 125
Degree Plan created on 4/22/22 by SW			