

## TRANSFER GUIDE

AAS Industrial Maintenance transferring into BS Aviation Technologies Aviation Maintenance Management

<b>John A Logan College Courses</b>			
<b>AAS Industrial Maintenance – 68-70 hours</b>			
ENG 101/113-3	English Comp I/Prof Tech Writing	HAC 107-3	Electrical Controls & Circuitry
COM 115-3	Speech	HAC 121-4	Heating I
Elective-3	IAI Social & Behavioral Science	HAC 131-4	Refrigeration & Air Conditioning I
1 Course-3	MAT 112/113/119/120	IDM 120-2	Safety & Environmental Management
Elective-3	IAI Physical Science	IDM 210-3	Hydraulics & Pneumatics
ORI 100-1	College 101	INT 101-1-3	Internship
CMG 107-3	Construct Document Interpretation	MAC 200-4	Machine Tool Lab
CMG 110-4	Structural Framing I	MFT 103-3	Industrial Robots & PLCs
DRT 185-2	Computer Graphics I	MFT 201-3	PLC Manufacturing Systems
ELT 102-4	Basic Electricity & Wiring	WEL 121-3	SMAW (Stick) Plate Welding I
ELT 150-3	Applied Solid State Electronics	WEL 122-3	GMAW (MIG) Plate Welding
ELT 224-3	Power Distribution & Motors		
<b>Southern Illinois University Carbondale Courses Capstone Option</b>			
<b>BS Aviation Technologies (AVT) Aviation Maintenance Management Specialization – 57 hours</b>			
Elective-3	Social Science	AVT 470-3	Reliability, Maintain Fault Pred Analysis
Elective-3	Humanities	AVT 475-3	Aerospace Lean Mftg & Maint Practices
Elective-3	Life Science	AVT 478-3	Aircraft Bus Industry Financial Practices
Elective-3	Fine Arts	AVT 485-3	Aerospace Maint Shop Operations
Elective-3	Multicultural	AVT 488-3	Advanced Aerospace Safety Procedures
AVT 329-3	Intro to Avionics Systems	1 Course-3	IMAE 450 or TRM 470
AVT 380-3	Aerospace Supply Chain Logistics	IMAE 470A-3	Six Sigma Green Belt I
AVT 390-3	MIS for Aerospace Applications	AVT Int/Coop-12	AVT 319/320 or AVT 358 or appr electvs
<b>Total Hours to Bachelor's Degree: 125-127 Hours</b>			

### Questions? Contact us!

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

**Possible Careers:** Aircraft Mechanic  
Inspector  
Maintenance Operations  
Powerplant Mechanic  
Air Frame Mechanic  
Avionics Technician

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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](mailto: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				
<b>John A Logan College</b>	<b>2024-2025</b>		<b>Southern Illinois University Carbondale</b>	
AAS Industrial Maintenance - 68-70 hrs			BS Aviation Technologies (AVT) Aviation Maintenance Management Specialization - 120 hrs	
			<b>University Core Curriculum (UCC) - Capstone Option 30 hours</b>	
		<b>Hrs</b>		<b>Hrs</b>
			UNIV 101	Saluki Success
COM 115	Speech	3	CMST 101	Intro to Oral Communication
ENG 101 -or- 113	English Composition I -or- Prof Technical Writing	3	ENGL 101	English Composition I
			ENGL 102	English Composition II
MAT 112 -or- 113 -or- 119 -or- 120	Intro to Contemporary Math -or- Elementary Stats	3	MATH 101 -or- 282	Intro to Contemporary Math -or- Intro to Statistics
	IAI Social & Behavioral Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide
			SOCIAL SCIENCE	3
			HUMANITIES	3
			HUMANITIES	NA
	IAI Physical Science	3	PHYSICAL SCIENCE	T
			LIFE SCIENCE	3
			FINE ARTS	3
			HUMAN HEALTH	NA
			MULTICULTURAL	3
		<b>15</b>		<b>15</b>
<b>Program Requirements</b>			<b>Program Requirements</b>	
ORI 100	College 101	1	<b>An AAS in Industrial Maintenance satisfies the 39 hours of technical electives required for a BS in Aviation Technologies (AVT) Aviation Maintenance Management Specialization.</b>	
CMG 107	Construction Documentation Interpretation	3		
CMG 110	Structural Framing I	4		
DRT 185	Computer Graphics I	2		
ELT 102	Basic Electricity & Wiring	4		
ELT 224	Power Distribution & Motors	3		
HAC 107	Electrical Controls & Circuitry	3		
HAC 121	Heating I	4		
HAC 131	Refrigeration & Air Conditioning I	4		
IDM 120	Safety & Environmental Management	2		
IDM 210	Hydraulics & Pneumatics	3		
INT 101	Internship	1-3		
MAC 200	Machine Tool Lab	4		
MFT 103	Industrial Robots & PLCs	3		
MFT 201	PLC Manufacturing Systems	3		
WEL 121	SMAW (Stick) Plate Welding I	3	EET 150 (elective)	Intro to Electrical Engineering Technology
WEL 122	GMAW (MIG) Plate Welding	3		
ELT 150	Applied Solid State Electronics	3		
		<b>53-55</b>		
			AVT 329	Intro to Avionics Systems
			AVT 380	Aerospace Supply Chain Logistics
			AVT 390	MIS for Aerospace Applications
			AVT 470	Reliability, Maintainability, & Fault Prediction & Analysis
			AVT 475	Aerospace Lean Manufacturing & Maintenance Practices
			AVT 478	Aircraft Business & Industry Financial Practices
			AVT 485	Aerospace Maintenance Shop Operations
			AVT 488	Advanced Aerospace Safety Procedures
			IMAE 450 -or- TRM 470	Project Management
			IMAE 470A	Six Sigma Green Belt I
			AVT 319/320 -or- AVT 358 -or- approved electives	AVT Internship/Cooperative Experience
				<b>42</b>
			<b>Total semester hrs completed w/BS degree:</b>	
				<b>57</b>
<b>Total semester hrs completed w/AAS degree:</b>		<b>68-70</b>	<b>Total hrs to BS degree:</b>	
				<b>125-127</b>
<i>Degree Plan updated on 9/16/24 by SG</i>				