John A. Logan College

SIU CARBONDALE

TRANSFER GUIDE

AAS Industrial Maintenance transferring to BS Industrial Management & Applied Engineering

John A Logan College Courses			
AAS Industrial Maintenance – 68 hours			
ORI 100-1	College 101	ELT 224-3	Power Distribution and Motors
COM 115-3	Speech	HAC 107-3	Electrical Controls &Circuitry
ENG 101-3	English Composition I	HAC 121-4	Heating I
MAT 108-4	College Algebra	HAC 131-4	Refrigeration & Air Conditioning I
Elective-3	Social Science	IDM 120-2	Safety & Environmental Mgmt
Elective-3	Humanities	IDM 210-3	Hydraulics & Pneumatics
CMG 107-3	Constr. Doc. Interpretation	MAC 200-4	Machine Tool Lab
CMG 110-4	Wood Frame Construction I	MFT 103-3	Industrial Robotics & PLCs
DRT 185-2	Computer Graphics I	MFT 201-3	PLC Manufacturing Systems
ELT 102-4	Basic Electricity and Wiring	WEL 121-3	SMAW (STICK) Plate Welding I
ELT 150-4	Applied Solid State Electronics	WEL 122-3	GMAW (MIG) Plate Welding
Southern Illinois University Carbondale Courses			
BS Industrial Management and Applied Engineering Quality Management Specialization – 68-69 hours			
Elective-3	Social Science	IMAE 375-3	Production & Inventory Mgmt
Elective-3	Fine Arts	IMAE 390-3	Cost Estimating
Elective-3	Multicultural	IMAE 392-3	Facilities Plan/Workplace Design
PHYS 203/253A-4	College Physics/Lab	IMAE 442-3	Fundamentals of Leadership
PHYS 203/253B-3	College Physics/Lab	IMAE 445-3	Computer-Aided Manufacturing
IMAE 110-3	Geometric Dem & Tolerancing	IMAE 450-3	Project Management
IMAE 208-3	Fund of Manufacturing Proc	IMAE 465-3	Lean Manufacturing
IMAE 305-3	Industrial Safety	IMAE 470A-3	Six Sigma Green Belt I
IMAE 307-3 -or- MATH 140-4	Applied Calc for Tech -or- Short Course in Calculus	IMAE 470B-3	Six Sigma Green Belt II
		IMAE 476-3	Supply Chain Management
IMAE 340-3 -or- PSYC 323-3	Intro to Supervision -or- Organizational Psychology	Electives-6	300/400 Level IMAE Electives
Total Hours to Bachelor Degree: 137-138 hours			

Questions? Contact Us!

Salary Range: $50,000-$70,000

Possible Careers:
Production Manager
Manufacturing Engineer
Quality Engineer
Plant Manager
Project Engineer

John A Logan College
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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 OkaYtheir 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 Industrial Maintenance -68 hrs			BS Industrial Management and Applied Engineering Quality Management Specialization- 120 hrs		
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs			**Hrs**
ORI 100	College 101	1	UNIV 101	Saluki Success	NA
COM 115	Speech	3	CMST 101	Intro to Oral Communication	T
ENG 101	English Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MAT 108	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	T
	IAI SOCIAL SCIENCE	3	SOCIAL SCIENCE	*See SIUC Equivalency Guide*	T
			SOCIAL SCIENCE		3
	IAI HUMANITIES	3	HUMANITIES		T
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		17			**13**
Program Requirements			**Program Requirements**		
CMG 107	Construction Document Interpretation	3			
CMG 110	Wood Frame Construction I	4			
DRT 185	Computer Graphics I	2			
ELT 102	Basic Electricity and Wiring	4			
ELT 150	Applied Solid State Electronics	4			
ELT 224	Power Distribution and Motors	3			
HAC 107	Electrical Controls and Circuitry	3			
HAC 121	Heating I	4	**The AAS degree in Industrial Maintenance as articulated fulfills the 22 hours of technical elective requirements for the BS degree in Industrial Management and Applied Engineering (IMAE).**		
HAC 131	Refrigeration and Air Conditioning I	4			
IDM 120	Safety & Environmental Management	2			
IDM 210	Hydraulics & Pneumatics	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			
WEL 122	GMAW (MIG) Plate Welding	3			
		52			
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307 or MATH 140	Applied Calculus for Technology -or- Short Course in Calculus	3-4
			IMAE 375	Production and Inventory Management	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated Manufacturing	3
			IMAE 450	Project Management	3
			IMAE 465	Lean Manufacturing	3
			IMAE 470A	Six Sigma Green Belt I	3
			IMAE 470B	Six Sigma Green Belt II	3
			IMAE 476	Supply Chain Management	3
			IMAE 340 -or- PSYC 323	Intro to Supervision/Organizational Psychology	3
			PHYS 203B/ 253B	College Physics/Physics Laboratory	4
			Electives	(Must be at 300/400 level)	6
					55-56
Total semester hrs completed w/ AAS degree:		**69**	**Total semester hrs completed w/ BS degree:**		**68-69**