TRANSFER GUIDE

AES Industrial Engineering transferring to BS Industrial Management & Applied Engineering

John A Logan College Courses			
AES Industrial Engineering – 68 hours			
ORI 100-1	College 101	CHM 151-5	Chemical Principles
COM 115-3	Speech	CPS 206-4	Computer Science I
ENG 101-3	English Composition I	EGR 101-3	Engineering Graphics
ENG 102-3	English Composition II	MAT 201-5	Calculus II
MAT 131-5	Calculus	MAT 202-3	Calculus II
ECO 201-3	Macroeconomics	MAT 205-3	Differential Equations
Elective-3	Social Science	PHY 201-3	Statics
Elective-3	Humanities/Fine Arts	PHY 202-3	Dynamics
PHY 205-5	University Physics I	PHY 203-3	Mechanics of Materials
PHY 206-5	University Physics II	Elective-3	
Southern Illinois University Carbondale Courses			
BS Industrial Management and Applied Engineering Quality Management Specialization – 54 hours			
Elective-3	Fine Arts	IMAE 392-3	Facilts Plan/Workplace Design
Elective-3	Multicultural	IMAE 442-3	Fundamentals of Leadership
IMAE 110-3	Geometric Dem & Tolerancing	IMAE 445-3	Computer-Aided Manufacturing
IMAE 208-3	Fund of Manufacturing Proc	IMAE 450-3	Project Management
IMAE 305-3	Industrial Safety	IMAE 465-3	Lean Manufacturing
IMAE 340-3 -or-	Intro to Supervision -or-	IMAE 470A-3	Six Sigma Green Belt I
PSYC 323-3	Organizational Psychology	IMAE 470B-3	Six Sigma Green Belt II
IMAE 375-3	Production & Inventory Mgmt	IMAE 476-3	Supply Chain Management
IMAE 390-3	Cost Estimating	IMAE Electives-6	(Must be at 300/400 level)
Total Hours to Bachelor Degree: 122 hours			

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

Possible Careers:
Production Manager
Manufacturing Engineer
Quality Engineer
Plant Manager
Project 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 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***		
AES Industrial Engineering - 68 hrs			BS Industrial Management and Applied Engineering Quality Management Specialization- 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	English Composition I	3	ENGL 101	English Composition I	T
ENG 102	English Composition II	3	ENGL 102	English Composition II	NA
MAT 201	Calculus II	5	MATH 250	Calculus II	T
ECO 201	Macroeconomics	3	ECON 241	Intro to Macroeconomics	T
	IAI Social Science	3	SOCIAL SCIENCE	*See SIUC Transfer Equivalency Guide*	T
	IAI Fine Arts/Humanities	3	HUMANITIES	*See SIUC Transfer Equivalency Guide*	T
PHY 205	University Physics I	5	PHYS 203/253A (Required for BS degree)	College Physics/Lab	T
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		28			**6**
Program Requirements			**Program Requirements**		
Elective		3	**The AES degree in Industrial Engineering as articulated fulfills the 22 hours of technical elective requirements for the BS degree in Industrial Management and Applied Engineering (IMAE).**		
ORI 100	College 101	1			
CHM 151	Chemical Principles	5	CHEM 200/201	General Chemistry/Lab	T
CPS 206	Computer Science I	4	CS 202	Intro to Computer Science	T
EGR 101	Engineering Graphics	3	ME 102	Computer Aided Drawing	T
MAT 131	Calculus I	4	IMAE 307 or MATH 140 (required for BS degree)	Applied Calculus for Technology -or- Short Course in Calculus	T
MAT 202	Calculus III	3	MATH 251	Calculus III	T
MAT 205	Differential Equations	3	MATH 305	Intro to Differential Equations	T
PHY 201	Statics	3	ENGR 250	Statics	T
PHY 202	Dynamics	3	ENGR 261	Dynamics	T
PHY 203	Mechanics of Materials	3	ENGR 350A	Mechanics of Materials	T
PHY 206	University Physics II	5	PHYS 203B/253B (Required for BS degree)	College Physics/Physics Laboratory	T
		40			
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 340 -or- PSYC 323	Intro to Supervision/Organizational Psychology	3
			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
			Electives	(Must be at 300/400 level)	6
					48
Total semester hrs completed w/ AAS degree:		**68**	**Total semester hrs completed w/ BS degree:**		**54**
			Total hrs to BS Degree:		**122**
Degree Plan created on 8/11/2022 by SW			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		