



TRANSFER GUIDE

AAS Advanced Manufacturing transferring into BS Industrial Mgmt & Applied Engineering

Illinois Eastern Community Colleges Courses			
AAS Advanced Manufacturing – 63 hours			
ENG 1111-3	Composition I	MAC 1203-3	Precision Measurement
MTH 1102-4	College Algebra	MAC 2231-3	Introduction to CNC
PSY 1101-3	General Psychology I	MAN 1201-5	Introduction to Machining
CAD 1210-3	Computer Aided Drafting I	MAN 1202-2	Industrial Safety
DAP 1201-3	Business Computer Systems	MAN 1211-4	Industrial Electricity
MAN 1204-4	Manufacturing Materials & Processes	MAN 1215-3	Mechanical Drives
MAN 2202-3	Leadership	MAN 2201-2	Quality Concepts and Techniques
EDR 1202-4	Mechanical Blueprint Reading	MAN 2211-4	Programmable Logic Controllers
GEN 1298-1	Career Pathways to Success	PSC 1101-4	Intro to Physical Science
GEN 2297-2	Employment Skills	WEL 1201-3	Basic Welding
Southern Illinois University Carbondale Courses Capstone Option			
BS Industrial Management & Applied Engineering (IMAE) – 74 hours			
CMST 101-3	Intro: Oral Communication	IMAE 340-3 or	Intro to Supervision or
Elective-3	Social Science	PSYC 323-3	Organizational Psychology
Elective-3	Life Science	IMAE 375-3	Production & Inventory Mgmt
Elective-3	Humanities	IMAE 390-3	Cost Estimating
Elective-3	Fine Arts	IMAE 392-3	Facilities Planning/Workplace Design
Elective-3	Multicultural	IMAE 445-3	Computer Integrated Manufacturing
PHYS 203/253A-4	College Physics/Lab	IMAE 450-3	Project Management
PHYS 203/253B-4	College Physics/Lab	IMAE 465-3	Lean Manufacturing
IMAE 110-3	Geom Dimensioning & Tolerancing	IMAE 470A-3	Six Sigma Green Belt I
IMAE 305-3	Industrial Safety	IMAE 470B-3	Six Sigma Green Belt II
IMAE 307-3 or	Applied Calculus for Technology or Short	IMAE 476-3	Supply Chain Management
MATH 140-4	Course in Calculus	IMAE Electives-9	Must be at 300/400 level
Total Hours to Bachelor Degree: 137 Hours			

Questions? Contact Us!

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

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

Illinois Eastern Community Colleges

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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						
Illinois Eastern Community Colleges (Wabash Valley) 2022-2023			Southern Illinois University Carbondale			
AAS Advanced Manufacturing - 63 hrs			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs			
			University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs			
		Hrs		Hrs		
			UNIV 101	Saluki Success		
			CMST 101	Intro:Oral Communication		
ENG 1111	Composition I	3	ENGL 101	English Composition I		
			ENGL 102	English Composition II		
MTH 1102	College Algebra	4	MATH 108	College Algebra		
PSY 1101	General Psychology I	3	PSYC 102	Intro to Psychology		
			SOCIAL SCIENCE	3		
			HUMANITIES	3		
			HUMANITIES	NA		
			FINE ARTS	3		
			PHYS 203/253A (Required for BS degree)	College Physics/Lab		
			PHYS 203/253B	College Physics/Lab		
			LIFE SCIENCE	3		
			HUMAN HEALTH	NA		
			MULTICULTURAL	3		
<i>*Recommended to fulfill BS degree requirements</i>		10		26		
Program Requirements			Program Requirements			
CAD 1210	Computer Aided Drafting I	3	ME 102	Computer-Aided Engr Drawing		
DAP 1201	Business Computer Systems	3	CS 200B	Computer Concepts		
MAN 1204	Manufacturing Materials & Processes	4	IMAE 208 (Required for BS degree)	Fundamentals of Manufacturing Processes		
MAN 2202	Leadership	3	IMAE 442 (Required for BS degree)	Fundamentals of Leadership		
EDR 1202	Mechanical Blueprint Reading	4	The AAS degree in Advanced Manufacturing as articulated fulfills the 22 hrs of technical electives and the following course requirements for the BS degree in Industrial Management & Applied Engineering.			
GEN 1298	Career Pathways to Success	1				
GEN 2297	Employment Skills	2				
MAC 1203	Precision Measurement	3				
MAC 2231	Introduction to CNC	3				
MAN 1201	Introduction to Machining	5				
MAN 1202	Industrial Safety	2				
MAN 1211	Industrial Electricity	4				
MAN 1215	Mechanical Drives	3				
MAN 2201	Quality Concepts and Techniques	2				
MAN 2211	Programmable Logic Controllers	4				
PSC 1101	Intro to Physical Science	4				
WEL 1201	Basic Welding	3				
		53				
					IMAE 110	Geometric Dimensioning & Tolerancing
			IMAE 305	Industrial Safety		
			IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc		
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psych		
			IMAE 375	Production and Inventory Management		
			IMAE 390	Cost Estimating		
			IMAE 392	Facilities Planning & Workplace Design		
			IMAE 445	Computer Integrated Manufacturing		
			IMAE 450	Project Management		
			IMAE 465	Lean Manufacturing		
			IMAE 470A	Six Sigma Green Belt I		
			IMAE 470B	Six Sigma Green Belt II		
			IMAE 476	Supply Chain Management		
			IMAE Electives	(Must be at 300/400 level)		
			**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite	9		
				48		
Total semester hrs completed w/ AAS degree:		63	Total semester hrs completed w/ BS degree			
				74		
			Total hours to BS degree:			
				137		