

TRANSFER GUIDE

AAS Laser/Photonics/Optics transferring into BS Industrial Management & Applied Engineering

College of Lake County Courses			
AAS Laser/Photonics/Optics – 68-71 hours			
CMM 121-3	Fundamentals of Speech	LPO 112-3	Elements of Photonics
ENG 121-3	English Composition I	LPO 113-3	Photonics-Enabled Technologies
MTH 122-5	College Algebra	LPO 145-3 -or-	Photonics CAD Apps -or-
ECO 110-3	Economics for Business and Industry	EET 216-4	Microprocessors
HUM 127-3 -or-	Critical Thinking -or-	LPO 211-3	Qty Assurance for Precision Optics
PHI 125-3	Ethics	LPO 212-3	Elements of Photonics II
PHY 121-5	General Physics I	LPO 250-3	Laser and Electro-Optic Devices
CLC 120-2	College Success Seminar	LPO 290-1	LPO Capstone Proposal
ARM 156-158-3 -or-	Elect Systems I, II, III or Electron Lab	LPO 291 -or-	LPO Project -or-
EET 115-170-174-6	Tech/DC Circuit Funds/AC Funds	EWE 220-3	Research Capstone/Internship I
CAD 170-3	Intro to Solid Works	MET 111-3	Manufacturing Processes (Elective)
EET 223-4	Intro to Digital Electronics	PHY 122-5	General Physics II (Elective)
EWE 120-1	Job Readiness Skills		
Southern Illinois University Carbondale Courses			
BS Industrial Management & Applied Engineering – 54-55 hours			
Elective-3	Social Science	IMAE 390-3	Cost Estimating
Elective-3	Fine Arts	IMAE 392-3	Facilities Planning/Workplace Design
Elective-3	Multicultural	IMAE 442-3	Fundamentals of Leadership
IMAE 110-3	Geom Dimensioning & Tolerancing	IMAE 445-3	Computer Integrated Manufacturing
IMAE 305-3	Industrial Safety	IMAE 450-3	Project Management
IMAE 307-3 -or-	Applied Calculus for Tech -or-	IMAE 465-3	Lean Manufacturing
MATH 140-4	Short Course in Calculus	IMAE 470A-3	Six Sigma Green Belt I
IMAE 340-3 -or-	Intro to Supervision or	IMAE 470B-3	Six Sigma Green Belt II
PSYC 323-3	Organizational Psychology	IMAE 476-3	Supply Chain Management
IMAE 375-3	Production and Inventory Mgmt	IMAE Elective-3	Must be at 300/400 level
Total Hours to Bachelor Degree: 121-126 hours			

Questions? Contact Us!

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

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

College of Lake County
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Disclaimer: You are encouraged to use this transfer guide when planning your progress towards degree completion. Following a transfer guide does not guarantee admission into the listed program. Information is assumed current; however, any curriculum changes reflected in the Undergraduate Catalog override the information on this guide. Contact your Academic Advisor for assistance in interpreting this guide.

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.