

## TRANSFER GUIDE

### AAS Industrial Electrician transferring into BS Industrial Management & Applied Engineering

Prairie State College Courses			
AAS Industrial Electrician– 61 hours			
ENG 101-3	Composition I	ELEC 121-3	Electrical Controls for Machines
COMM 101-3	Principles of Communication	ELEC 130-3	Electrical Wiring
MATH 151-4	College Algebra	ELEC 132-2	Print Reading for Electricians
PHYSI 120-4	College Physics I	ELEC 140-2	Industrial and Electrical Safety
Elective-3	Social Science	ELEC 141-2	National Electrical Code
Elective-3	Humanities/Fine Arts	ELEC 210-3	Industrial Electronics
COL 101-1	First Year Seminar	ELEC 212-3	Programmable Logic Controllers
COL 102-1	Career Development Seminar	ELEC 298-1	Electrical Seminar
ELEC 101-3	Fundamentals of Electricity	ELEC 299-2	Electrical Internship
ELEC 102-3	AC/Polyphase Circuits/Transformers	PHYSI 130-4	College Physics II
ELEC 110-3	Electronic Principles	Electives-2	Choose from: ELEC 122, 131, 142, 201, 211, 213, 220, 221, 290
ELEC 120-3	DC & AC Motors and Generators		
Southern Illinois University Carbondale Courses			
BS Industrial Management & Applied Engineering – 60 hours			
Elective-3	Social Science	IMAE 390-3	Cost Estimating
Elective-3	Life Science	IMAE 392-3	Facilities Planning/Workplace Design
Elective-3	Fine Arts/Humanities	IMAE 442-3	Fundamentals of Leadership
Elective-3	Multicultural	IMAE 445-3	Computer-Aided Manufacturing
IMAE 110-3	Geom Dimensioning & Tolerancing	IMAE 450-3	Project Management
IMAE 208-3	Fundamentals of Mfg Processes	IMAE 465-3	Lean Manufacturing
IMAE 305-3	Industrial Safety	IMAE 470A-3	Six Sigma Green Belt I
IMAE 307-3	Applied Calculus	IMAE 470B-3	Six Sigma Green Belt II
IMAE 340-3 or PSYC 323-3	Intro to Supervision or Organizational Psychology	IMAE 476-3	Supply Chain Design & Strategy
IMAE 376-3	Supply Chain Ops & Logistics	IMAE Electives-3	Must be at 300/400 level
**Capstone Option waives UNIV 101, ENGL 102, 1 HUMANITIES and HUMAN HEALTH requirements**			
<b>Total Hours to Bachelor Degree: 121 Hours</b>			

### Questions? Contact Us!

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

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

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## Baccalaureate Degree Requirements

Each candidate for a bachelor's degree must complete the requirements listed:

**Hour Requirements.** Each student must complete at least 120 semester hours of credit. Each student must have at least 42 hours in courses that number 300 or above from a four-year institution.

**Residence Requirements.** Each student must complete the residence requirement by taking the last year, which is defined as 30 uninterrupted semester hours, or a total of 90 semester hours at SIU Carbondale.

**Grade Point Average Requirements.** Each student must have a C average for all work taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.

## Dual Admission Program

The Dual Admission Program (DAP) allows baccalaureate-oriented students at eligible community colleges to benefit from pre-advisement for a chosen major at SIU Carbondale. The DAP addresses specific departmental requirements that a student may not automatically fulfill by completing their associate degree at their community college. Students apply to the DAP by completing the Application for Undergraduate Admission and indicating interest in the DAP. Students must have at least two semesters remaining at their community college to participate, [must select a participating SIU major](#), and [must attend an eligible community college](#). Students who apply for the DAP are provided a transfer plan that will guide them to the most direct route to their bachelor's degree, along with personalized contact with an SIU representative. Dual Admission Program students receive access to enroll in an online Dual Admission Program course, which connects students early to the University, its resources, and other transfer students.

## Compact Agreement

SIU has recognized the Illinois regionally accredited community college transferable baccalaureate oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIU 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). 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.

## Degree Works

*Degree Works* is an easy-to-use, comprehensive, online degree audit tool specifically designed for students. The audit reflects program requirements from the Undergraduate Catalog measured against registration and transfer work to guide the degree audit function as it applies to the individual student. Once admitted to SIU Carbondale, you can run a Degree Works degree audit against your academic record by searching "Degree Works" in [SalukiNet](#).