



## TRANSFER GUIDE

### AAS Industrial Maintenance Mechanics transferring into BS Industrial Management & Applied Engineering

Southwestern Illinois College Courses			
AAS Industrial Maintenance Mechanics – 67.5 hours			
COMM 151-3	Fund of Public Speaking	EET 241-3	Electrical Power, Motors Controls
ENG 101-3	Rhetoric & Composition I	EET 243-3	NEC for Industrial/Commercial
MATH 112-4	College Algebra	IDP 116-3	Industrial Pipefitter A
Elective-3	Social Science	IDP 276-3	Industrial Hydraulics I
Elective-3	Human Relations	IML 119-3	Mechanical Systems
HES 152-2	First Aid-Medical Self Help	IML 120-2	Mechanical Blueprint Reading I
EET 101-5	Intro to Electricity/Electronics	IML 125-3	Industrial Maintenance Welding
EET 131-3	Electrical Wiring Principles	IML 133-2	Industrial Rigging
EET 200-3	Digital Electronic Circuits I	PMT 100-0.5	Precision Machining Introduction
EET 232-4	Instrumentation Fundamentals	PMT 101-3	Intro to the Machine Trades
EET 235-3	Programmable Logic Controllers	PMT 102-3	Intermediate Machining
EET 239-3	Advanced PLCs		
Southern Illinois University Carbondale Courses			
BS Industrial Management and Applied Engineering (IMAE) – 71-72 hrs			
Elective-3	Social Science	IMAE 390-3	Cost Estimating
Elective-3	Humanities	IMAE 392-3	Facilities Plan/Workplace Design
Elective-3	Life Science	IMAE 442-3	Fundamentals of Leadership
Elective-3	Fine Arts	IMAE 445-3	Computer-Aided 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	Geometric Dem & Tolerancing	IMAE 470A-3	Six Sigma Green Belt I
IMAE 208-3	Fund of Manufacturing Proc	IMAE 470B-3	Six Sigma Green Belt II
IMAE 305-3	Industrial Safety	IMAE 476-3	Supply Chain Management
IMAE 307-3 -or- MATH 140-4	Applied Calc for Tech -or- Short Course in Calculus	PSYC 323-3 -or- IMAE 340-3	Organizational Psychology -or- Intro to Supervision
IMAE 375-3	Production & Inventory Mgmt	Electives-6	300/400 Level IMAE Electives
Total Hours to Bachelor Degree: 138.5-139.5 hrs			

### Questions? Contact Us!

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

**Possible Careers:** Production Manager  
Quality Ctrl Supervisor  
Manufacturing Engineer  
Industrial Designer  
Facilities Manager  
Plant Manager  
Cost Estimator

#### Southwestern Illinois College

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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 attempted to be kept 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.