

TRANSFER GUIDE

AAS Precision Machining Technology transferring to BS Industrial Management & Applied Engineering

Southwestern Illinois College			
AAS Precision Machining Technology- 68.5 hours			
COMM 115- 3	Fundamentals/ Public Speaking	PMT 111-3	CNC Milling
ENG 101- 3	Rhetoric & Composition	PMT 112-2	CNC Turning
MATH 112-4	College Algebra	PMT 114-2	Metallurgy I
Elective-3	Social Science	PMT 124-2	Metrology
Elective-3	Human Relations	PMT 201-3	Advanced Machining
HES 152-2	First Aid-Medical Self Help	PMT 202-2	Cutting Tools/Fixturing/Insp
IML 119-3	Mechanical Systems	PMT 221-3	Intro to MasterCam
IML 120-2	Mechanical Blueprint Reading I	PMT 222-3	Advanced MasterCam
IML 125-3	Indust. Maintenance Welding	PMT 226-2	Geom Dimensioning & Tolerancing
PMT 100-0.5	Prec. Mach Introduction	PMT 231-3	Intro to SolidWorks
PMT 101-3	Intro to the Machine Trades	PMT 240-3	NIMS Certification
PMT 102-3	Intermediate Machining	PMT 250-3	Multi-Axis CNC Programming
PMT 110-2	Introduction to CNC Op	PMT 262-3	Advanced MasterCam/Multi-Axis
Southern Illinois University Carbondale Courses			
BS Industrial Management and Applied Engineering Quality Management Specialization – 71-72 hours			
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: 139.5-140.5 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.

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.