



TRANSFER GUIDE

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

| Southwestern Illinois College | | | |
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| 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

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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.