

TRANSFER GUIDE

AAS Welding Technology transferring into BS Industrial Management & Applied Engineering

| Kaskaskia College Courses | | | |
|--|----------------------------------|-----------------|---------------------------------------|
| AAS Welding Technology – 60-61 hours | | | |
| ENGL 101-3 | English Composition | WELD 125-3 | Advanced Blueprint Reading |
| MATH 134-3 | College Algebra | WELD 200-3 | Weld Automation & Production |
| BUSN 103-3 | Intro to Business | WELD 204-5 | Arc Welding II |
| 1 Course-2 | CSTR 186 or INDT 111 | WELD 225-5 | GTAW & Wire Welding Utilization |
| DFTG 122-3 | CAD Theory & Practice I | WELD 245-4 | Pipe Welding I |
| OFTC 101-2 | Computer Basics | WELD 246-5-6 | Pipe Welding II or Technical Elective |
| WELD 110-5 | All Position Arc Welding | WELD 250-3 | Welding Layout & Fitup |
| WELD 114-5 | Arc Welding I | WELD 252-3 | Weld Inspection & Examination |
| WELD 120-3 | Intro to Blueprint Reading | | |
| Southern Illinois University Carbondale Courses Capstone Option | | | |
| BS Industrial Management & Applied Engineering (IMAE) – 77 hours | | | |
| CMST 101-3 | Intro to Oral Communication | IMAE 340-3 | Intro to Supervision |
| Elective-3 | Social Science | IMAE 375-3 | Production & Inventory Mgmt |
| Elective-3 | Social Science | IMAE 390-3 | Cost Estimating |
| Elective-3 | Humanities | IMAE 392-3 | Facilities Plan & Workplace Design |
| PHYS 203A,253A-4 | College Physics w/Lab | IMAE 442-3 | Fundamentals of Leadership |
| Elective-3 | Life Science | IMAE 445-3 | Computer Integrated Manufacturing |
| Elective-3 | Fine Arts | IMAE 450-3 | Project Management |
| Elective-3 | Multicultural | IMAE 465-3 | Lean Manufacturing |
| PHYS 203B,253B-4 | College Physics w/Lab | IMAE 470A-3 | Six Sigma Green Belt I |
| IMAE 110-3 | Geometric Dimension Tolerancing | IMAE 470B-3 | Six Sigma Green Belt II |
| IMAE 208-3 | Fundtals Manufacturing Processes | IMAE 476-3 | Supply Chain Management |
| IMAE 305-3 | Industrial Safety | IMAE Elective-3 | 300/400 level |
| IMAE 307-3 | Applied Calc for Tech | | |
| Total Hours to Bachelor Degree: 137-138 Hours | | | |

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. 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.

| PROGRAM ARTICULATION DEGREE PLAN | | | |
|---|---|--|---|
| Kaskaskia College | 2024-2025 | Southern Illinois University Carbondale | |
| AAS Welding Technology - 60-61 hrs | | BS Industrial Management & Applied Engineering (IMAE) - 120 hrs | |
| | | UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs | |
| | | Hrs | Hrs |
| | | UNIV 101 | Saluki Success |
| | | CMST 101 | Intro to Oral Communication |
| ENGL 101 | English Composition | 3 | ENGL 101 |
| | | | English Composition I |
| | | | ENGL 102 |
| | | | English Composition II |
| MATH 134 | College Algebra | 3 | MATH 108 |
| | | | College Algebra |
| | | | SOCIAL SCIENCE |
| | | | SOCIAL SCIENCE |
| | | | HUMANITIES |
| | | | HUMANITIES |
| | | | PHYS 203A -and- 253A |
| | | | College Physics w/Lab |
| | | | LIFE SCIENCE |
| | | | FINE ARTS |
| | | | HUMAN HEALTH |
| | | | MULTICULTURAL |
| | | 6 | 25 |
| Program Requirements | | Program Requirements | |
| BUSN 103 | Intro to Business | 3 | <p>The AAS degree in Welding Technology as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).</p> |
| CSTR 186 -or- INDT 111 | Construction Safety 30 -or- Industrial Safety | 2 | |
| DFTG 122 | CAD Theory & Practice I | 3 | |
| OFTC 101 | Computer Basics | 2 | |
| WELD 110 | All Position Arc Welding | 5 | |
| WELD 114 | Arc Welding I | 5 | |
| WELD 120 | Intro to Blueprint Reading | 3 | |
| WELD 125 | Advanced Blueprint Reading | 3 | |
| WELD 200 | Weld Automation & Production | 3 | |
| WELD 204 | Arc Welding II | 5 | |
| WELD 225 | GTAW & Wire Welding Utilization | 5 | |
| WELD 245 | Pipe Welding I | 4 | |
| WELD 246 | Pipe Welding II -or- Technical Elective | 5-6 | |
| WELD 250 | Welding Layout & Fitup | 3 | |
| WELD 252 | Weld Inspection & Examination | 3 | |
| | | 54-55 | |
| | | PHYS 203B -and- 253B | College Physics w/Lab |
| | | IMAE 110 | Geometric Dimensioning & Tolerancing |
| | | IMAE 208 | Fundamentals of Manufacturing Processes |
| | | IMAE 305 | Industrial Safety |
| | | IMAE 307 | Applied Calc for Tech |
| | | IMAE 340 | Intro to Supervision |
| | | IMAE 375 | Production & Inventory Management |
| | | IMAE 390 | Cost Estimating |
| | | IMAE 392 | Facilities Planning & Workplace Design |
| | | IMAE 442 | Fundamentals of Leadership |
| | | IMAE 445 | Computer Integrated Manufacturing |
| | | IMAE 450 | Project Management |
| | | IMAE 465 | Lean Manufacturing |
| | | IMAE 470A | Six Sigma Green Belt I |
| | | IMAE 470B | Six Sigma Green Belt II |
| | | IMAE 476 | Supply Chain Management |
| | | IMAE Elective | 300/400 level |
| | | | 52 |
| Total semester hrs completed w/AAS degree: | | 60-61 | Total semester hrs completed w/BS degree: |
| | | | 77 |
| | | | Total semester hours to BS degree: |
| | | | 137-138 |
| <i>Degree Plan updated on 5/28/24 by SG</i> | | | |