

| PROGRAM ARTICULATION DEGREE PLAN | | | |
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| Elgin Community College | 2024-2025 | Southern Illinois University Carbondale | |
| AAS Welding Fabrication Technology - 63-64 hrs | | BS Technical Resource Management (TRM) - 120 hrs | |
| University Core Curriculum (UCC) Capstone Option - 30 hrs* | | | |
| | | Hrs | Hrs |
| | | UNIV 101 | Saluki Success |
| | | CMST 101 | Intro:Oral Communication |
| ENG 101 | English Composition I | 3 | ENGL 101 |
| ENG 102 | English Composition II | 3 | ENGL 102 |
| MTH 112 | College Algebra | 4 | MATH 108 |
| | Social/Behavioral Science | 3 | SOCIAL SCIENCE |
| | Humanities/Fine Arts | 3 | SOCIAL SCIENCE |
| | | | HUMANITIES |
| | | | HUMANITIES |
| | | | PHYSICAL SCIENCE |
| | | | LIFE SCIENCE |
| | | | FINE ARTS |
| | | | HUMAN HEALTH |
| | | | MULTICULTURAL |
| | | 16 | 18 |
| Program Requirements | | Program Requirements | |
| IMT 103 | Industrial Manufacturing Tech I | 3 | The AAS degree in Welding Fabrication Technology meets the Career Electives requirement of 42 hours. |
| WEL 101 | Welding I | 2.5 | |
| WEL 102 | Welding II | 4 | |
| WEL 112 | Applied Welding Theory | 3 | |
| WEL 113 | Welding Power Sources & Setup | 3 | |
| WEL 208 | Welding III | 4 | |
| WEL 210 | Welding IV | 4 | |
| WEL 211 -or- WEL 212 | TIG Welding Techniques -or- MIG Welding Techniques | 4 | |
| WEL 213 | Welding Metallurgy | 3 | |
| WEL 214 | Cutting Processes | 2 | |
| WEL 215 | Advanced Welding Techniques | 4 | |
| WEL 222 | Blueprint Reading & Fabrication | 4.5 | |
| Industrial Technology Electives | Select from list of approved courses | 3 | |
| CAD 101 -or- CAD 120 -or- HAC 109 | Intro to Engr Design -or- Intro to Solidworks -or- Basic Sheet Metal | 3-4 | |
| | | 47-48 | Computer-Aided Engineering Drawing -or- General Elective -or- General Elective |
| | | | TRM 316 |
| | | | TRM 364 |
| | | | TRM 383 |
| | | | TRM 425 |
| | | | TRM 464 |
| | | | TRM 470 |
| | | | TRM Support Courses |
| | | | Approved Electives |
| | | | TRM 319, 320, 350, 358 |
| | | | Applications of Technical Writing |
| | | | Work Center Management |
| | | | Data Applications & Interpretation |
| | | | Operations Management |
| | | | Managing for Quality |
| | | | Project Management |
| | | | Select 2 from: TRM 332, 361, 362, 363E, 421, 440 |
| | | | 300/400 Level |
| | | | As necessary to meet 42 senior institution hour requirement |
| | | | 42 |
| Total semester hrs completed w/AAS degree: | | 63-64 | Total semester hrs completed w/BS degree: |
| | | | 60 |
| | | | Total hours to BS degree: |
| | | | 123-124 |
| Degree Plan updated on 5/30/24 by SG | | | |