

| PROGRAM ARTICULATION DEGREE PLAN | | | | |
|--|--|--|---|----------------------|
| Parkland College | 2024-2025 | Southern Illinois University Carbondale | | |
| AAS Industrial Technology: Maintenance & Automation - 60 hrs | | BS Industrial Management & Applied Engineering (IMAE) - 120 hrs | | |
| | | University Core Curriculum (UCC) Capstone Option - 30 hrs | | |
| | | Hrs | Hrs | |
| | | UNIV 101 | Saluki Success | |
| COM 103 | Intro to Public Speaking | 3 | CMST 101 | |
| ENG 101 | Composition I | 3 | ENGL 101 | |
| | | | ENGL 102 | |
| MAT 124 | College Algebra | 4 | MATH 108 | |
| | | | SOCIAL SCIENCE | |
| | | | SOCIAL SCIENCE | |
| | | | HUMANITIES | |
| | | | HUMANITIES | |
| PHY 121 (Gen Educ Elective) | General Physics I | 5 | PHYS 203A -and- 253A | |
| | | | LIFE SCIENCE | |
| | | | FINE ARTS | |
| | | | HUMAN HEALTH | |
| | | | MULTICULTURAL | |
| | | 15 | | |
| | | | 18 | |
| Program Requirements | | Program Requirements | | |
| CAD 113 | Computer-Aided Machine Design I | 4 | The AAS degree in Industrial Technology: Maintenance & Automation as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE) | |
| CAD 114 | Intro to AutoCAD (Computer-Aided Drafting) | 2 | | |
| MFT 113 | Intro to Hydraulics & Pneumatics | 3 | | |
| MFT 130 | Basic Machine Processes | 3 | | |
| MFT 131 | Intro to Manufacturing & Industrial Safety | 3 | | |
| MFT 137 | Intro to CNC Programming | 4 | | |
| MFT 139 | Quality Assurance | 3 | | |
| MFT 151 | Manufacturing Work Experience I | 2 | | |
| WLD 111 | Intro to Welding | 4 | | |
| Elective | | 1 | | |
| Technical Electives | Select from list of approved courses | 10 | | |
| ELT 150 | Intro to Electricity & Electronics | 3 | | EET 150 (elective) |
| MFT 110 | Mechanical Assemblies | 3 | | IMAE 1XX (elective) |
| | | 45 | | |
| | | | | PHYS 203B -and- 253B |
| | | | IMAE 110 | |
| | | | IMAE 208 | |
| | | | IMAE 305 | |
| | | | IMAE 307 | |
| | | | IMAE 340 | |
| | | | IMAE 375 | |
| | | | IMAE 390 | |
| | | | IMAE 392 | |
| | | | IMAE 442 | |
| | | | IMAE 445 | |
| | | | IMAE 450 | |
| | | | IMAE 465 | |
| | | | IMAE 470A | |
| | | | IMAE 470B | |
| | | | IMAE 476 | |
| | | | IMAE Elective | |
| | | | 300/400 level | |
| | | | 52 | |
| Total semester hrs completed w/AAS degree: | | 60 | Total semester hrs completed w/BS degree: | |
| | | | 70 | |
| | | | Total hours to BS degree: | |
| | | | 130 | |
| <i>Degree Plan created on 5/14/24 by SG</i> | | | | |