

Welding - General Technology Robotic Welding

Program: **Welding/Robotic Welding**

AAS GENERAL TECHNOLOGY ROBOTIC WELDING

1st Semester

| Item # | Title | Credits |
|---------|-------------------------------|---------|
| ILT 160 | DC Fundamentals | 3 |
| WDT 160 | Robotics Lab I | 3 |
| ILT 161 | AC Fundamentals | 3 |
| ILT 235 | Principles of Robotic Systems | 3 |
| ENG 101 | English Composition I | 3 |
| ORI 110 | Freshman Seminar | 1 |
| | Sub-Total Credits | 16 |

2nd Semester

| Item # | Title | Credits |
|---------|-------------------------------------|---------|
| WDT 126 | Gas Metal Arc/Flux Core Arc Welding | 6 |
| WDT 162 | Consumable Welding Applications | 3 |
| WDT 110 | Industrial Blueprint Reading | 3 |
| MTH 116 | Mathematical Applications | 3 |
| HIS 201 | United States History I | 3 |
| | Sub-Total Credits | 18 |

3rd Semester

| Item # | Title | Credits |
|---------|-------------------------------------|---------|
| WDT 275 | Robotic Welding II | 3 |
| ILT 240 | Sensors Technology and Applications | 3 |
| ILT 197 | Motor Controls I | 3 |
| MTH 100 | Intermediate College Algebra | 3 |
| | Sub-Total Credits | 12 |

4th Semester

| Item # | Title | Credits |
|---------|--|-----------|
| WDT 276 | Robotic Welding III | 3 |
| WDT 258 | Certification Lab | 3 |
| ILT 194 | Intro. to Programmable Logic Controllers | 3 |
| WDT 219 | Welding Inspection and Testing | 3 |
| IDS 102 | Ethics | 3 |
| | Sub-Total Credits | 15 |
| | Total credits: | 61 |