

# Welding

## Career Studies Certificate

**Program Coordinator:** Eddie Fultz • SBI 162 • 276-492-2065

**Length:** Two-Three Semesters

**Purpose:** The Career Studies Certificate in Welding provides successful students with the knowledge, skills and competency required for basic welding positions.

**Occupational Objectives:** Fulfill the need for qualified welders.

**Admission Requirements:** A student eligible for admission to the College can normally be considered for admission to the Welding Career Studies Certificate.

**Program Requirements:** The curriculum will consist of both hands on learning and classroom instruction. The program can be completed in one year and will prepare graduates for entry-level welding positions in the manufacturing industry.

### Day Program:

| Course Number   | Course Title                     | Lecture Hours | Lab Hours | Credits   |
|---|----------------------------------|---------------|-----------|-----------|
| <b>First Semester (Fall)</b>                          |                                  |               |           |           |
| HLT 105   | Cardiopulmonary Resuscitation    | 1             | 0         | 1         |
| SAF 127   | Industrial Safety                | 2             | 0         | 2         |
| WEL 117   | Oxyfuel Welding & Cutting        | 2             | 6         | 4         |
| WEL 123   | Shielded Metal Arc Welding       | 2             | 6         | 4         |
| WEL 130   | Inert Gas Welding                | 2             | 6         | 4         |
| <b>Total</b>  |                                  | <b>9</b>      | <b>18</b> | <b>15</b> |
| <b>Second Semester (Spring)</b>                       |                                  |               |           |           |
| WEL 124   | Shielded Arc Welding (Advanced)  | 2             | 3         | 3         |
| WEL 136   | Welding III (Inert Gas)          | 1             | 3         | 2         |
| WEL 150   | Welding Drawing & Interpretation | 3             | 0         | 3         |
| WEL 160   | Gas Metal Arc Welding            | 2             | 6         | 4         |
| <b>Total</b>  |                                  | <b>8</b>      | <b>12</b> | <b>12</b> |
| <b>Total Minimum Credits Required for Certificate</b> |                                  |               |           | <b>27</b> |

### Evening Program:

| Course Number   | Course Title                     | Lecture Hours | Lab Hours | Credits   |
|---|----------------------------------|---------------|-----------|-----------|
| <b>First Semester (Fall)</b>                          |                                  |               |           |           |
| HLT 105   | Cardiopulmonary Resuscitation    | 1             | 0         | 1         |
| SAF 127   | Industrial Safety                | 2             | 0         | 2         |
| WEL 123   | Shielded Metal Arc Welding       | 2             | 6         | 4         |
| WEL 130   | Inert Gas Welding                | 2             | 6         | 4         |
| <b>Total</b>  |                                  | <b>7</b>      | <b>12</b> | <b>11</b> |
| <b>Second Semester (Spring)</b>                       |                                  |               |           |           |
| WEL 124   | Shielded Arc Welding (Advanced)  | 2             | 3         | 3         |
| WEL 150   | Welding Drawing & Interpretation | 3             | 0         | 3         |
| WEL 160   | Gas Metal Arc Welding            | 2             | 6         | 4         |
| <b>Total</b>  |                                  | <b>7</b>      | <b>9</b>  | <b>10</b> |
| <b>Third Semester (Summer)</b>                        |                                  |               |           |           |
| WEL 117   | Oxyfuel Welding & Cutting        | 2             | 6         | 4         |
| WEL 136   | Welding III (Inert Gas)          | 1             | 3         | 2         |
| <b>Total</b>  |                                  | <b>3</b>      | <b>9</b>  | <b>6</b>  |
| <b>Total Minimum Credits Required for Certificate</b> |                                  |               |           | <b>27</b> |