

# WELDING TECHNOLOGY PROGRAM

## ASSOCIATE OF APPLIED SCIENCE IN WELDING TECHNOLOGY

(60 Semester Credit Hours)

### Curriculum

The matrix below is a sample plan for all coursework required for this program.

#### 1st Semester

| Course Number and Name   | Credits   |
|--|-----------|
| TMAT 1203 Technical Mathematics <i>(or higher math)</i><br><i>Must pass with a "C" or better</i> | 3         |
| WLD 1103 Introduction to Thermal Cutting   | 3         |
| WLD 1202 Blueprint Reading   | 2         |
| WLD 1212 Industrial Safety in Welding  | 2         |
| WLD 1224 Introduction to Arc Welding   | 4         |
| WLD 1302 Metallurgy  | 2         |
| <b>Total Hours</b>   | <b>16</b> |

#### 2nd Semester

| Course Number and Name                          | Credits   |
|---|-----------|
| ENGL 1013 <i>Must pass with a "C" or better</i> | 3         |
| WLD 1405 Position Welding                       | 5         |
| WLD 1503 Gas Metal Arc (MIG) Welding            | 3         |
| WLD 1603 Gas Tungsten Arc (TIG) Welding         | 3         |
| <b>Total Hours</b>                              | <b>14</b> |

#### 3rd Semester

| Course Number and Name                          | Credits   |
|---|-----------|
| ACR 2134 Boiler Operations                      | 4         |
| ENGL 1023 <i>Must pass with a "C" or better</i> | 3         |
| WLD 1403 Welding for Trades and Industry        | 3         |
| WLD 1702 Weldment Testing                       | 2         |
| WLD 1804 Certification Welding I *              | 4         |
| <b>Total Hours</b>                              | <b>16</b> |

#### 4th Semester

| Course Number and Name  | Credits   |
|---|-----------|
| 3 Hours, Any Approved Social Science <sup>1</sup>                             | 3         |
| ACR 2124 Sheet Metal  | 4         |
| BST 1303 Introduction to Computers or CIS 1113 Fundamental Computer Operation | 3         |
| WLD 2804 Certification Welding II   | 4         |
| <b>Total Hours</b>  | <b>14</b> |

<sup>1</sup>See appropriate alternatives or substitutions in "General Education Requirements"

\*Usually offered in Summer