



## Welding Technology Certificate Pipeline Welder

| FIRST YEAR COURSE SCHEDULE |  |           |   |         |
|----------------------------|--|-----------|---|---------|
|                            | Fall Semester                                      | Credits   | Spring Semester   | Credits |
|                            | WLD 120 – Shielded Metal Arc Welding               | 2         | WLD 110-Cutting Processes <b>OR</b><br>WLD 100 Oxy-Fuel Systems         | 2       |
|                            | WLD 121 – Shielded Metal Arc Welding Fillet Lab    | 3         | WLD 111-Cutting Processes Lab <b>OR</b><br>WLD 101 Oxy-Fuel Systems Lab | 3       |
|                            | WLD 140-Gas Metal Arc Welding                      | 2         | WLD 170-Blueprint Reading and Welding                                   | 2       |
|                            | WLD 143-Gas Metal Arc Groove Lab                   | 3         | WLD 171-Blueprint Reading and Welding Lab                               | 3       |
|                            | WLD 225-Shielded Metal Arc Welding Open Groove Lab | 3         | WLD 130-Gas Tungsten Arc Welding  | 2       |
|                            | WLD 227-Shielded Metal Arc Welding Pipe Lab A      | 3         | WLD 133-Gas Tungsten Arc Welding Groove Lab                             | 3       |
|                            | MAT 116-Technical Math                             | 3         | WLD 235-Gas Tungsten Arc Welding Pipe Lab A                             | 3       |
|                            | WLD 245-Gas Metal Arc Welding Pipe Lab A           | 3         |   |         |
| <b>Total Credit Hours</b>  |  | <b>22</b> | <b>Total Credit Hours</b>   |         |
|                            |  |           | <b>18</b>   |         |

| SECOND YEAR COURSE SCHEDULE               |   |           |  |  |
|---|---|-----------|--|--|
|   | Fall Semester                                 | Credits   | Students must achieve a minimum grade of "C" in each Technical course. |  |
|   | WLD 220-Welding Certification                 | 2         |  |  |
|   | WLD 221-Welding Certification Lab             | 3         |  |  |
|   | WLD 253-Template Development Lab              | 1         |  |  |
|   | WLD 229-Shielded Metal Arc Welding Pipe Lab B | 3         |  |  |
|   | WLD 237-Gas Tungsten Arc Welding Pipe Lab B   | 3         |  |  |
| <b>Total Credit Hours</b>                 |   | <b>12</b> |  |  |
| <b>Total Credit Hours for Certificate</b> |   | <b>52</b> |  |  |

| Completion of Diploma or Additional Requirements for AAS/GOTS Degree  |           |   |         |  |
|---|-----------|---|---------|--|
| General Education Requirements for AAS General Occupational & Technical Studies Degree  |           |   |         |  |
| Credit earned through certificate and diploma completion will be applicable toward the Associate in Applied Science in General Occupation/Technical Studies degree when consistent with the objectives of the student's individual plan of study. |           |   |         |  |
| General Education Component   | Credits   | Technical Component   | Credits |  |
| Quantitative Reasoning  | 3         | Technical Core**  | 45-50   |  |
| Natural Sciences  | 3         | Total Credits (Including General Education)   | 60-68   |  |
| Social/Behavioral Sciences  | 3         | Note:   |         |  |
| Heritage/Humanities   | 3         | *Please refer to course catalog for complete listing of required Technical Courses.       |         |  |
| Written Communications  | 3         | **The student must have a plan of study on file in the academic affairs office.           |         |  |
| Computer/Digital Literacy <sup>1</sup>  | 3         | ***A combination of general education and technical courses should not exceed 68 credits. |         |  |
| <b>Subtotal</b>   | <b>18</b> |   |         |  |

<sup>1</sup>Computer/Digital Literacy must be demonstrated either by competency exam or by completing a computer/digital literacy course.