

## WELDING TECHNOLOGY (2019 – 2020)(CERTIFICATES)(2)

<b>1<sup>st</sup> Semester</b>	<b>Course Name</b>	<b>Credits</b>
WELD-1015	Introduction to Welding	3
WELD-1120	Gas Metal Arc Welding	3
WELD-1125	Flux Cored Arc Welding	3
WELD-1200	Basic Shielded Metal Arc Welding	3
WELD-1250	Advanced Shielded Metal Arc Welding	3
AMDT-1000	OSHA-10 Hour for General Industry	1
<b>TOTAL CREDITS</b>		<b>16 BASIC WELDING CERT.*</b>

*\*(Basic Welding Cert. can be a completion point @ 16 Credits – However, it is Recommended that the student continue into the Advanced Certificate to reach their skill potential and improve their chance for higher end employment)*

<b>2<sup>nd</sup> Semester</b>	<b>Course Name</b>	<b>Credits</b>
WELD-1050	Basic Gas Tungsten Arc Welding	3
WELD-2150	Advanced Gas Tungsten Arc Welding	3
WELD-2110	Downhill Pipe Welding – SMAW	3
WELD-2115	Uphill Pipe Welding – SMAW	3
WELD-2025	Structural Welding	3
WELD-1300	Blue Print Reading for Welders	3
<b>TOTAL CREDITS</b>		<b>18 ADVANCED WELDING CERT.**</b>

*\*\* (Advanced Welding Cert. Builds On the Basic Welding Cert. @ 34 Credits total)*

### Electives

*WELD-2500	Welding Technology Internship	1-3
*WELD-1170	Arc Welding and Shop Fabrication	2
*Applied Technologies	Applied Technology Electives	1-3

*(any Applied Technology Course in any area – Manufacturing (AMDT) recommended)*

## WELDING TECHNOLOGY (2019 – 2020)(DIPLOMA)

### Basic & Advanced Welding Certificates Classes (34 credits) plus the following:

<u>Course Name</u>	<u>Credits</u>
General Education Requirements	9
<b><u>Recommended</u></b>	
MATH-1020                      Tech Math (or higher)	3
ENGL-0500                      Workplace Writing (or higher)	3
Select three hours from Communication, Science, Social Science or Personal Development	3
<b>TOTAL CREDITS</b>	<b>43</b>

## WELDING TECHNOLOGY (2019 – 2020)(AAS Degree)

### Basic & Advanced Welding Certificates Classes (34 credits) plus the following:

<u>Course Name</u>	<u>Credits</u>
General Education Requirements Associate of Applied Science	
ENGL 1010                      English Composition	3
SPCH 1110 or SPCH 1200                      Public Speaking or Human Communication	3
MATH 1020 or BSTC 1500                      Technical Math or Business Math or Higher	3-4
Science                      BIOS or CHEM or INFO 1220 or LPNR 1110	4
Social Science                      ANTH, ECON, HIST, POLS, PSYC, or SOCI	3
<b>TOTAL CREDITS</b>	<b>16-17</b>

### **Electives**

*WELD-2500                      Welding Technology Internship	1-3
*WELD-1170                      Arc Welding and Shop Fabrication	2-3
*Applied Technologies                      Applied Technology Electives <i>(any Applied Technology Course(s) in any area – Manufacturing recommended)</i>	5-8
<b>TOTAL CREDITS</b>	<b>60</b>