

# Technical Studies/Welding Technology Option – A.A.S.

Associate in Applied Science – A.A.S.

Effective Date: 7/1/19-6/30/20 | CATALOG: UG19

FALL SEMESTER 1 <sup>st</sup> YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>	
MATH105	Technical Mathematics	3	<input type="checkbox"/>	
WELD101	Welding Safety	1	<input type="checkbox"/>	
WELD110	Thermal Cutting and OxyFuel Welding	3	<input type="checkbox"/>	
WELD115	Shielded Metal Arc Welding I	3	<input type="checkbox"/>	
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
<b>TOTAL FALL SEMESTER</b>			<b>16</b>	

FALL SEMESTER 2 <sup>nd</sup> YEAR			Credit Hours	<input checked="" type="checkbox"/>
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
WELD135	Gas Metal Arc Welding	3	<input type="checkbox"/>	
GNED000	General Education Requirement	3	<input type="checkbox"/>	
<b>TOTAL FALL SEMESTER</b>			<b>15</b>	

## WINTER SESSION 1<sup>st</sup> YEAR

SPRING SEMESTER 1 <sup>st</sup> YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing and Communication I	3	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	
WELD120	Welding Metallurgy	2	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
<b>TOTAL SPRING SEMESTER</b>			<b>14</b>	

## WINTER SESSION 2<sup>nd</sup> YEAR

SPRING SEMESTER 2 <sup>nd</sup> YEAR			Credit Hours	<input checked="" type="checkbox"/>
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
GNED000	General Education Requirement	3	<input type="checkbox"/>	
<b>TOTAL SPRING SEMESTER</b>			<b>15</b>	

## SUMMER SESSION 1<sup>st</sup> YEAR

## SUMMER SESSION 2<sup>nd</sup> YEAR

<b>TOTAL PROGRAM</b>	<b>60</b>
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**Humanities or Social Science Gen Ed Requirement:** Choose from the list of approved courses listed in the College catalog

### Technical Studies Core or Program Electives Courses (Recommended)\*\*

Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. Individuals without sufficient technical training experience must select courses in one of the programs/options listed below to satisfy the Technical Studies credit requirements. All courses should be selected with assistance from a faculty advisor.

WELD105	Print Reading and Welding Symbols (SP)	3	<input type="checkbox"/>
WELD125	Shielded Metal Arc Welding II (SP)	3	<input type="checkbox"/>
WELD130	Flux Cored Arc Welding (FA)	3	<input type="checkbox"/>
WELD140	Welding Fabrication (FA)	3	<input type="checkbox"/>
WELD201	Basic Pipe Welding (FA)	3	<input type="checkbox"/>
WELD225	Ornamental Iron Work (SP)	3	<input type="checkbox"/>
WELD230	Creative Welding (SP)	3	<input type="checkbox"/>
WELD205	Gas Tungsten Arc Welding (SP)	3	<input type="checkbox"/>
WELD280	Welding Internship (SP)	3	<input type="checkbox"/>

### Technology General Education courses (Recommended)

Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
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### \*\* Select courses from one of the following programs (P) /options

(O) – (Courses must be approved by appropriate faculty advisor):

- Automotive Service Technology (P)
- Building Construction Technology (O)
- Business Management (P)
- Computer Information Systems (P)
- Diesel Service Technology (O)
- Engineering Science (O)
- Graphic Design (P)
- Machine Tool Technology (O)

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.