

# ASSOCIATE OF APPLIED SCIENCE PROGRAMS

## TECHNOLOGY - WELDING

This program provides opportunities to practice and prepare for welding certification exams and allows students to explore other industrial skills that are used in a variety of occupations and businesses.

### Mission

The mission of the Associate of Applied Science in Technology is to provide employment-related knowledge and skills necessary as a professional in a chosen field of study.

### Student Learning Outcomes

Students who complete an Associate of Applied Science in Technology are expected to:

- Know the subject matter appropriate to the emphasis of the degree. (WNC SLO 1,3,6,7)
- Communicate effectively and appropriately, in oral and written form. (WNC SLO 2)
- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional. (WNC SLO 1,6,7)
- Acquire skills and perform tasks necessary for employment or career enhancement. (WNC SLO 1,7)
- Developed an appreciation of the importance of social, ethical, legal and diversity issues. (WNC SLO 5,7)
- Developed an appreciation of the need and importance of lifelong learning.

## Required Courses

<b>Total Requirements</b>		<b>60 Units</b>
<b>Program Requirements</b>		<b>36 Units</b>
<b>DFT 110</b>	Blueprint Reading for Industry	3
<b>WELD 211</b>	Welding I	3
<b>WELD 212</b>	Welding I Practice	2
<b>WELD 221</b>	Welding II	3
<b>WELD 222</b>	Welding II Practice	2
<b>WELD 231</b>	Welding III	3
<b>WELD 232</b>	Welding III Practice	2
<b>WELD 241</b>	Welding IV	3
<b>WELD 242</b>	Welding IV Practice	2
<b>WELD 250</b>	Welding Certification Preparation	1-12
<b>Choose 1-12 units from the following program electives:</b>		
<b>AIT 101</b>	Fundamentals of Applied Industrial Technology	4
<b>ET 131</b>	Dc for Electronics	4
<b>ELM 143</b>	Wiring Techniques	2
<b>MTT 105</b>	Machine Shop I	3
<b>WELD 151</b>	Metallurgy I	3
<b>WELD 224</b>	Welding Projects	1-6
<b>WELD 290</b>	Internship in Welding	1-4
<b>WELD</b>	Related Welding Courses	1-3
<b>General Education Requirements</b>		<b>24 Units</b>
English/Communications Requirement: <i>Recommend: Bus 107</i> <i>Must include a writing course</i>		6
Human Relations: <i>Recommend: BUS 110</i>		3
Humanities/Social Science Requirements		3

## Associate of Applied Science Programs

Mathematics Requirements: <i>Recommend: MATH 110</i>	3
Science Requirement	3
U.S. and Nevada Constitution Requirement	3
General Elective	3
<b>Please see the <a href="#">Associate of Applied Science</a> page for a list of all courses filling general education requirements.</b>	

## Suggested Course Sequence

<b>WELDING - Associate of Applied Science</b>			
<b>First Semester</b>	<b>Units</b>	<b>Third Semester</b>	<b>Units</b>
WELD 211	3	WELD 231	3
WELD 212	2	WELD 232	2
English ( <i>BUS 107 Recommended</i> )	3	General Elective	3
Human Relations	3	Humanities/Social Science	3
Science	3	Program Elective	3-5
<b>Second Semester</b>	<b>Units</b>	<b>Fourth Semester</b>	<b>Units</b>
English/Communication	3	WELD 241	3
Mathematics	3	WELD 242	2
DFT 110	3	WELD 250	4
Program Elective	1-3	Program Elective	3-5
WELD 221	3	U.S./NV Constitution	3
WELD 222	2		