

# WELDING

## ASSOCIATE IN APPLIED SCIENCE

The Welding program allows students the opportunity to complete certificates at two levels and to transfer these certificates toward an Associate of Applied Science degree in Welding. The Level I Welding certificate is for students who intend to seek entry-level employment after completing a one-year program of study. The Level II certificate is for students interested in advancing their skill level beyond Level I.

Students interested in completing an Associate of Applied Science degree in Welding should visit with an advisor to determine general education and additional technical education requirements. Degrees require completion of 63 hours.

### Concentration Requirements **32**

<input type="checkbox"/>	INDU	155	OSHA Safety 10	1
<input type="checkbox"/>	WELD	120	Welding Cutting Processes	3
<input type="checkbox"/>	WELD	130	Gas Tungsten Arc Welding	3
<input type="checkbox"/>	WELD	140	Shielded Metal Arc Welding	3
<input type="checkbox"/>	WELD	160	Gas Metal Arc Welding	3
<input type="checkbox"/>	WELD	180	Pipe Layout and Blueprint Reading	3
<input type="checkbox"/>	WELD	210	Adv. Gas Tungsten Arc Welding	4
<input type="checkbox"/>	WELD	220	Adv. Gas Metal Arc Welding	4
<input type="checkbox"/>	WELD	240	Adv. Shielded and Metal Arc Welding	4
<input type="checkbox"/>	WELD	260	Specialized Welding	4

### General Education Requirements **31**

<input type="checkbox"/>	ENGL	101	English Composition I	3
<input type="checkbox"/>	COMM	101	Fundamentals of Speech	3
<input type="checkbox"/>	COMP	120	Computer Information Systems	3
<input type="checkbox"/>	MATH	115	College Algebra	3
<input type="checkbox"/>	SOCI	101	Sociology	3
<input type="checkbox"/>	ART	130	Art Appreciation	3
<input type="checkbox"/>	MATH	120	Elementary Statistics	3
<input type="checkbox"/>	BIOL	122	Environmental Life Science	5
<input type="checkbox"/>	PHSC	105	Physical Science	5

**Credits Required:** 63

**Contact:** Rick Carpenter  
620-820-1255  
rickc@lafayette.edu

#### **Recommended Course Sequence**

**SEM 1:** INDU 155, WELD 120, WELD 130

**SEM 2:** WELD 140, WELD 160, WELD 180

**SEM 3:** WELD 210, WELD 220

**SEM 4:** WELD 240, WELD 260

#### **After Graduation**

Career areas in welding include welding, cutting, soldering, and brazing in the construction, manufacturing and utilities industries. Specific job titles include welding technician, supervisors, inspectors, instructors, and shop owners. The job outlook for welders in the construction, manufacturing, and utilities industries is increasing. Median earnings are \$15.10/hour.

Courses designated as Physical Science, Natural Science, Humanities, Social Behavioral and General Education electives can be found on page 82.

Placement Tests or pre-requisites are required for English Composition I, Math courses and most General Education Electives. See page 31 for complete Placement information. All first-time, full-time students with fewer than 15 credit hours after high school graduation are required to enroll in the College Success Skills course during their first semester.

Some courses are not offer each semester. Always make an appointment with your major advisor to enroll each semester.