

WELDING TECHNOLOGY

2014-2015

The Welding Technology Program is designed to prepare students for positions in a variety of trades or service industries requiring technically trained and/or certified welders. The program is designed to prepare students for the opportunity to become certified welders under the standards set by the American Welding Society. Students can receive their certification by the American Welding Society in a variety of processes as part of the instructional program. The program is available in three formats:

- Associate in Science Degree in Welding Technology
- Certificates from Shasta College in Welding Technology
- Certification by the American Welding Society as a certified welder

REQUIREMENTS FOR ASSOCIATE IN SCIENCE DEGREE:

Recommended Course Sequence

First Semester (Fall):

			# of Units:
INDE	1	Career Planning for Industrial Technology (F/S)	1
MATH*	110	Essential Math	3
WELD	70	Beginning Welding (F/S)	3
WELD	118	Blueprint/Specification Reading-Mechanical (F/S)	2
WELD	170	Introduction to ARC Welding (F/S)	3
WELD	174	Structural Steel MIG Welding (F/S)	3

Second Semester (Spring):

DIES	48	Hydraulics (F/S)	3.5
WELD	171	Intermediate ARC Welding (F/S)	3
WELD	73	Structural Steel Metal Fabrication (F/S)	3
WELD	178	Pipe Welding Fundamentals (F/S)	3

Third Semester (Fall):

WELD	175	TIG Welding (F/S)	3
WELD	182	Advanced ARC Welding (F/S)	1.5
WELD	184	Advanced GTAW (TIG) Welding (F/S)	1.5
WELD	188	Advanced GMAW (MIG) Welding (F/S)	1.5

Fourth Semester (Spring):

WELD	183	Advanced ARC Welding Specialty Lab (F/S)	1.5
WELD	186	Advanced Pipe Welding (F/S)	2

Suggested Electives:

CONS	48	Surveying and Equipment Operations	2
ENGR	22	Engineering Graphics	2
ENGR	29	Computer Aided Drafting	2
WELD	94	Worksite Learning for Welding Technology (F/S)	1-4
CIS	1	Computer Literacy Workshop	3

* May be used to fulfill General Ed requirement.

Associate in Science Degree Requirements

Unit Requirement:

60 semester units

Scholarship Requirement:

Overall GPA of 2.0

Residence Requirement:

Last 12 semester units or a minimum of 48 total education units must be completed in residence at Shasta College

Course Requirement:

Complete specific occupational major requirements (see left)

General Education:

For Associate degree, complete 21 units of general education coursework (general ed may overlap with major course work-see counselor for details).

Multicultural & Computer Literacy

Competency Requirements:

See Chapter 5, page 5 of the 2014-2015 Shasta College catalog for details. (May overlap with general education).

Major	38.5 Units
Additional General Education	18.0 Units
General Electives	3.5 Units
TOTAL	60.0 Units

Business, Agriculture, Industry, Technology & Safety

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"F" (Fall) and "S" (Spring) indicate when a course is usually offered.

"I" indicates course may not be offered every year. **Subject to change.**