



## Associate of Applied Science WELDING TECHNOLOGY 2012-2014

This program prepares you for the more technical aspects of the welder's trade, with emphasis on jobs available in the government sector, particularly at sites such as the Los Alamos National Laboratory.

### GENERAL EDUCATION (23-24 CR)

#### Area I. Communications (9 cr)

- ENG 111 English Composition I (3)  
*Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation*
- ENG 116 Technical Writing (3)  
*Prerequisite: ENG 111 (3)*
- SPCH 130 Public Speaking (3)  
*Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation*

#### Areas II and Area III. Mathematics/Computers/Laboratory Science (6-7 cr)

- BCIS 102 Computer Literacy (3)
- ENGR 110 Intro to Engineering Technology (4)

*Prerequisite: MATH 102N (4), or MATH 103N (4), or better  
or adequate score on the Course Placement Evaluation or permission of instructor*

OR

- MATH 132 Applied Trades Math II or a higher-level math course (3)

*Prerequisite: MATH 102N (4) or MATH 103N (4) or MATH 104N (3)  
or adequate score on the Course Placement Evaluation*

#### Area IV. Social/Behavioral Sciences (3 cr)

- Elective (3) Choose from Anthropology, Economics, Geography, Political Science, Psychology, or Sociology.  
*Prerequisite: ENG 109N (3) or adequate score on the Course Placement Evaluation*

#### Area V. Humanities and Fine Arts (3 cr)

- HUM 100 FYE: History and Culture of Northern New Mexico (3)  
*Prerequisite: ENG 108N (3) or adequate score on the Course Placement Evaluation*

#### Area VI. Library Technology (1 cr)

- LT 101 Library Research Skills (1)

**HPER (1 cr)** Electives (1)

### PROGRAM REQUIREMENTS (37-39 CR)

#### Business Administration (3 cr)

- BA 220 Introduction to Business (3)  
*Prerequisite: ENG 109N (3)*

#### Drafting (5 cr)

- DRFT 100 Computer Aided Drafting I (4)
- DRFT 199 Job Skills (1)  
*Prerequisite: ENG 109N (3)*

**Welding (29-31 cr)**

WELD	150	Applied Metallurgy (4)
WELD	110	Introduction to Welding (3)
WELD	111L	Fundamentals of Oxyacetylene Welding (3)
WELD	112L	Fundamentals of Arc Welding (3)
WELD	120L	Oxyacetylene Welding (3)
WELD	121L	Arc Welding (3)
WELD	122L	Inert Gas Welding (3)
WELD	210	Welding Blueprint Reading (3)
CONS	155	Construction Math and Blueprint Reading (3)
WELD	295	Welder qualification Capstone (1-3)

*Choose one 3-credit elective from the following:*

WELD	211L	Practical Arc Lab (3)
WELD	212L	Practical Oxyacetylene Lab (3)
WELD	213L	Practical Inert Gas Lab (3)

**TOTAL CREDITS: 60-63**