

NORTHERN



Associate of Applied Science

WELDING TECHNOLOGY/2014-2016

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