

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.

Credits Required: 64

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Recommended Course Sequence

SEM 1: INDU 131 or INDU 210, 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.

Concentration Requirements 35

- INDU 131 Engineering Graphics *or* _____ 3
- INDU 210 Computer Aided Drafting/Design 3
- INDU 155 OSHA Safety 10 1
- WELD 120 Oxy Acetylene and Safety 3
- WELD 130 Gas Tungsten Arc Welding 3
- WELD 140 Shielded Metal Arc Welding 3
- WELD 160 Gas Metal Arc Welding 3
- WELD 180 Pipe Layout and Blueprint Reading 3
- WELD 210 Adv. Gas Tungsten Arc Welding 4
- WELD 220 Adv. Gas Metal Arc Welding 4
- WELD 240 Adv. Shielded and Metal Arc Welding 4
- WELD 260 Specialized Welding 4

Pathway Requirements 29

Written Communication

- ENGL 101 English Composition I 3
- ENGL 102 English Composition II 3

Verbal Communication

- COMM 101 Public Speaking 3

Quantitative/Analytic Methods

- Choose one class _____ 3

Human Experience

- Choose one class _____ 3

Human Systems/No companion Elements

- Choose one class _____ 3

Human Systems/Diverse Perspectives

- Choose one class _____ 3

Human Systems/Social Responsibility

- Choose one class _____ 3

Natural World/Scientific Inquiry

- Choose one class _____ 5

Courses designated as Physical Science, Natural Science, Humanities, Social Behavioral and General Education electives can be found on page 92. Placement Tests or pre-requisites are required for English Composition I, and Math courses. See page 26 for complete Placement information. Some courses are not offer each semester. Always make an appointment with your major advisor to enroll each semester.