

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science – AWS Advanced Level Welder Emphasis provides students with the skills and knowledge necessary for successful employment as advanced level welders in welding and related metal working industries.

A continuation of the COA requirements, students will receive additional instruction in advanced SMAW and GTAW, pipe welding, welding codes and fabrication.

Upon completion of the AAS degree requirements, students may certify as AWS Advanced Level Welders.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate proper safety practices during welding operations.
- Read and interpret blueprints.
- Cut, prepare and fabricate parts from blueprints and drawings.
- Set-up, maintain and perform minor repairs to welding and associated equipment.
- Perform satisfactory welds in all positions.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

| | CR | SEMESTER |
|---|-----|----------|
| COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105 | 3-5 | _____ |
| ENGLISH: ENG 100, 101, 107, 113 | 3-5 | _____ |
| HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC | 3 | _____ |
| MATHEMATICS: MATH 120 or above (except MATH 122, 123) | 3 | _____ |
| SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS | 6 | _____ |
| FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113 | 3 | _____ |
| U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217 | 4-6 | _____ |

SPECIAL PROGRAM REQUIREMENTS (41 Credits):

| | CR | SEMESTER |
|--|----|----------|
| IS 101 Introduction to Information Systems | 3 | _____ |
| MT 102B Fundamentals of Electricity | 4 | _____ |
| WELD 115B Welding Inspection and Testing Principles | 3 | _____ |
| WELD 131B Blueprint Reading, Layout, and Sketching | 3 | _____ |
| WELD 132B Oxy/Fuel, Plasma, and Carbon Arc-Air Cutting Operations | 2 | _____ |
| WELD 133B SMAW (Stick) | 4 | _____ |
| WELD 134B GTAW (TIG) | 4 | _____ |
| WELD 135B GMAW (Mig) | 2 | _____ |
| WELD 137B FCAW (Flux Core) | 2 | _____ |
| WELD 154B D1.1 Structural Welding Code | 3 | _____ |
| WELD 214B Fabrication Layout | 3 | _____ |
| WELD 218B Pipe Welding Procedures | 4 | _____ |
| WELD 240B Advanced GTAW | 4 | _____ |

ASSOCIATE OF APPLIED SCIENCE

66
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.