

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

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. WELDADVASS

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.

Guided Pathway 2014-2015
AAS WELDING TECHNOLOGY
 ADVANCED LEVEL WELDER
 66 Credits

First Semester Fall		<i>Credits</i>		<i>Completed</i>
WELD 115B	Welding Inspection and Testing Principles	3	Fall Only	_____
WELD 135B	GMAW (Mig)	2		_____
MT 102	Fundamentals of Electricity	4		_____
MATH 120	Fundamentals of College Math	3		_____
	Prerequisite: Math Placement Exam and/or MATH 95			_____
ENG 100, 101, 107, or 113		3		_____
	Prerequisite: English Placement Test			_____
Total		15		

Second Semester		<i>Credits</i>		
WELD 131B	Blueprint Reading, Layout and Sketching	3	Spring Only	_____
WELD 132B	Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2		_____
WELD 137B	FCAW (Flux Core)	2	Spring Only	_____
WELD 154B	D1.1 Structural Welding Code	3		_____
Communications: Choose one from back		3		_____
Human Relations: Choose one from back		3		_____
Total		16		

Third Semester		<i>Credits</i>		
WELD 133B	SMAW (Stick)	4	Fall Only	_____
WELD 214B	Fabrication Layout	3		_____
	Prerequisite: WELD 131B, 132B, 133B, or instructor approval			_____
IS 101	Introduction to Information Systems	3		_____
Science: Choose one from back		3		_____
Fine Arts/Humanities/Social Sciences: Choose one from back		3		_____
Total		16		

Fourth Semester		<i>Credits</i>		
WELD 134B	GTAW (Tig)	4	Spring Only	_____
WELD 218B	Pipe Welding Procedures	4		_____
	Prerequisite: WELD 133B			_____
WELD 240B	Advanced GTAW	4		_____
Science: Choose one from back		3		_____
PSC 101 or	Introduction to American Politics	4		_____
HIST 101&102	U.S. History I & U.S. History II			_____
Total		19		