



Academic Map: Welding Technology: Advanced Level Welder (AAS)

Associate of Applied Science (A.A.S) | 60 Total Credits | CSN Degree Code: WELDADV-AAS | Catalog Year: 2022-2023 |

Industry, Manufacturing, Construction & Transportation Advanced and Applied Technologies Department of Applied Technologies

Jobs and Employment Information: <https://www.csn.edu/imctarea>

DESCRIPTION: The Associate of Applied Science – Advanced Level Welder provides students with the knowledge and skills necessary for successful employment in the welding industry. Continuation of COA requirements, students will receive additional instruction in Welding Inspection and Testing principals, structural welding code, fabrication and layout techniques, as well as the opportunity for advanced electives.

TERM 1 – TOTAL CREDIT HOURS: 16-18

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
MATH 104B or above (except MATH122/123)	3	None	GE Math	C	
ENG 100 or 101 or 107 or 110 or 113	3-5	ENG Place Score; or C or up in ENG 98 or ESL 139	GE ENG	C	
WELD 100B Introduction to Welding	4	None	Special Prog Req	C	
WELD 115B Welding Insp and testing Princ	3	None	Special Prog Req	C	
WELD 135B GMAW (Mig)	3	None	Special Prog Req	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 17

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
ALS 101 College Success	3	None	GE Hum Rel	C	
MT 102B Fundamentals of Electricity	4	None	GE Nat Science	C	
WELD 131B BP Reading, Layout and Sketching	3	None	Special Prog Req	C	
WWW 132B Oxy/Fuel, Plasma and Carbon Arc Air Cutting Ops	3	None	Special Prog Req	C	
WELD 133B SMAW (Stick)	4	None	Special Prog Req	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 14

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
COM 115 Applied Communication	3	None	GE Com	C	
WELD 134B GTAW (Tig)	4	None	Special Prog Req	C	
WELD 154B D1.1 Structural Welding Code	3	WWT 115B	Special Prog Req	C	
HIST 100 or PSC 101	4	None	GE US/NV Cons	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 13

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
ART 107 Design Fundamentals I	3	None	GE FA/Hum/SS	C	
WELD 137B FCAW (Flux Core)	3	None	Special Prog Req	C	
WELD 214B Fabrication Layout	3	WELD 131B and WELD 132B and WEL133B	Special Prog Req	C	
Weld Elective – See an advisor/counselor	4	Depends on course chosen	SP WELD Elective	C	Apply for Graduation

