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WELDING - SMAW WORKFORCE TRAINING CERTIFICATE

Program website (https://frederick.edu/programs/skilled-trades/welding.aspx)

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Program Description

This series of courses provides students with a broad range of knowledge and skills needed for welding and cutting metal, with a focus on Shielded Metal Arc Welding (SMAW). Topics include basic metallurgy, electrode selection, welding symbols and blueprint reading, and setting equipment parameters. Students will prepare for and test in the SMAW Qualification and Certification (Hobart #37), American Welding Society D1.1 test, and Structural Steel 2-G and 3-G tests.

Program Requirements

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	Code	Title	Credits
	Required Course/s		
	WLD 160	Introduction to Welding	
	WLD 172	Welding Symbols and Blueprint Reading	
	WLD 175	Advanced Welding: SMAW	
	Prerequisites/Co-requ	isites	
	ENGL 70	Introduction to College Reading and Writing	
	or ENGL 75	Reading and Writing in the Academic Disciplines	
	or ESOL 100	English for Academic Purposes	