

# WELDING - GMAW 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 Gas Metal Arc Welding (GMAW). Topics include basic metallurgy, filler metal selection, welding symbols and blueprint reading, and setting equipment parameters.

## Program Requirements

Code	Title	Credits
Required Course/s		
WLD 160	Introduction to Welding	
WLD 172	Welding Symbols and Blueprint Reading	
WLD 174	Advanced Welding: GMAW	
Prerequisites/Co-requisites		
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	
or ESOL 70 (DISC		
or ESOL 72 (DISC		