



FLORIDA GATEWAY COLLEGE

GUIDED PATHWAY: ADVANCED WELDING TECHNOLOGY INDUSTRY, MANUFACTURING, CONSTRUCTION & TRANSPORTATION PROGRAMS

Listed below you will find the steps and course sequence for students interested in obtaining an Advanced Welding certificate. Following the pathway will enable a student to complete his certificate in the most efficient means possible.

The Advanced Welding Technology program offers training to prepare students to become skilled welders. Graduates will be taught techniques that include pipe fitting, and advanced welding skills in Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Core Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW) processes for pipe and heavy wall pipe welding, as well as identifying skills required to work within emerging welding technologies such as pulse welding, submerged arc welding, and robotics, to name a few. The program prepares students to meet industry standards to help secure employment opportunities.

Catalog Year:	2024-2025
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Degree Type:	Career Certificate
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Location:	Florida Gateway College, Main Campus
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PATHWAY MAP

PRE-ENROLLMENT ACTION ITEMS

1. Apply for Admission: Click the following link to apply.
<https://apply.fgc.edu/Ellucian.ERecruiting.Web.External/pages/welcome.aspx>
Fill in the required term. "AWTC" is the program code.
2. Apply for financial aid. Apply online at <https://studentaid.gov/h/apply-for-aid/fafsa>
3. Take required proof of residency (see page four of application) to admissions in building 15 on the main FGC campus. Or email documents to:
enrollment.services@fgc.edu
4. Have official high school and all college transcripts sent to the FGC admissions office.
5. Schedule and take the TABE Test. This can be taken in the FGC testing

center. To schedule a TABE test go to this website.

<https://www2.registerblast.com/fgc/exam/list>

The test is free for FGC students

6. Schedule an initial advising appointment with Coordinator Joseph Ganser.

Phone: (386) 754-4322, Email: joseph.ganser@fgc.edu.

7. Register for courses in the FGC registrar's office

FULL TIME PATHWAY (Monday – Thursday / 8am to 4:30pm)

SEMESTER THREE			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor at least twice a semester.
PMT 0075C	Advanced Welder I	75	
PMT 0085C	Advanced Welder I: SMAW Pipe II	75	
PMT 0165C	Advanced SMAW	75	
PMT 0150C	GTAW	75	

SEMESTER FOUR			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor at least twice a semester.
PMT 0151C	GTAW Advanced	75	
PMT 0172C	Advanced Welder I: GTAW/SMAW	75	
PMT 0174C	Pipe Welding and Fabrication	75	
PMT 0175C	MIG/TIG Pipe Welding	75	
PMT 0076C	Advanced Welding II Career Prep I	75	
PMT 0086C	Advanced Welding II Career Prep II	75	

PART TIME PATHWAY (Monday – Thursday/ 5:00pm to 9:00pm)

SEMESTER FIVE			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor regularly.
PMT 0075C	Advanced Welder I	75	

SEMESTER SIX			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor regularly.
PMT 0085C	Advanced Welder I: SMAW Pipe II	75	
PMT 0165C	Advanced SMAW	75	
PMT 0150C	GTAW	75	

SEMESTER SEVEN			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor regularly.
PMT 0151C	GTAW Advanced	75	
PMT 0172C	Advanced Welder I: GTAW/SMAW	75	
PMT 0174C	Pipe Welding and Fabrication	75	

SEMESTER EIGHT			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor regularly.
PMT 0175C	MIG/TIG Pipe Welding	75	
PMT 0076C	Advanced Welding II Career Prep I	75	
PMT 0086C	Advanced Welding II Career Prep II	75	

8. Upon successful completion of the program course work, register for the AWS Certification Exam(s)
9. Apply for graduation with FGC.
<https://www.fgc.edu/students/studentresources/graduatio/>
10. Gain employment as a welder.