



## **GUIDED PATHWAY: BASIC WELDING TECHNOLOGY PUBLIC SERVICE AND TECHNOLOGY PROGRAMS**

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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.

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Catalog Year:	2023-2024
Degree Type:	Career Certificate
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. "WTVC" 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](mailto: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](mailto:joseph.ganser@fgc.edu)
7. Register for courses in the FGC registrar's office

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

SEMESTER ONE			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor at least twice a semester.
PMT 0070C	Welder Assistant I	75	
PMT 0080C	Welder I	75	
PMT 0071C	Welder Assistant II	75	
PMT 0081C	Welder II	75	
PMT 0072C	Welder SMAW I	75	
PMT 0082C	Welder III	75	

SEMESTER TWO			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor at least twice a semester.
PMT 0073C	Welder SMAW II	75	
PMT 0083C	Welder SMAW: Intermediate SMAW	75	
PMT 0074C	Welder: GMAW	75	
PMT 0141C	Flux Core	75	
PMT 0143C	Flux Core Arc Welding	75	
PMT 0132C	Advanced Welding II	75	

SEMESTER THREE			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor at least twice a semester.
PMT 0133C	Welding Tungsten Inert Gas II	75	
PMT 0161C	Pipe Welding: Pipe Principles	75	

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

SEMESTER ONE			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor regularly.
PMT 0070C	Welder Assistant I	75	
PMT 0080C	Welder I	75	
PMT 0071C	Welder Assistant II	75	

SEMESTER TWO			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor regularly.
PMT 0081C	Welder II	75	
PMT 0072C	Welder SMAW I	75	
PMT 0082C	Welder III	75	

SEMESTER THREE			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor regularly.
PMT 0073C	Welder SMAW II	75	
PMT 0083C	Welder SMAW: Intermediate SMAW	75	
PMT 0074C	Welder: GMAW	75	

SEMESTER FOUR			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor regularly.
PMT 0141C	Flux Core	75	
PMT 0143C	Flux Core Arc Welding	75	
PMT 0132C	Advanced Welding II	75	

SEMESTER FIVE			ACTION ITEMS
Course #	Course Name	Hours	1. Meet with advisor regularly.
PMT 0133C	Welding Tungsten Inert Gas II	75	
PMT 0161C	Pipe Welding: Pipe Principles	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/student-resources/graduation/>
10. Gain employment as a welder.