

# Pipe Shielded Metal Arc Welding (PS21)

## Certificate eMap

This eMap, along with regular meetings with your program advisor and using DegreeWorks, will help you remain on track to finish your program as quickly as possible and graduate from Georgia Northwestern Technical College. This eMap is intended to be used when beginning the program in Fall semester. Starting the program in Spring or Summer semesters may alter the suggested courses or course availability. This pathway is based on the 2026-2027 academic year.



### 1<sup>st</sup> set of suggested courses

| Course                                       | Hours | Completed                |
|----------------------------------------------|-------|--------------------------|
| WELD 1000 Introduction to Welding Technology | 4     | <input type="checkbox"/> |
| WELD 1010 Oxyfuel and Plasma Cutting         | 4     | <input type="checkbox"/> |
| WELD 1040 Flat Shielded Metal Arc Welding    | 4     | <input type="checkbox"/> |

### 2<sup>nd</sup> set of suggested courses

| Course                                          | Hours | Completed                |
|-------------------------------------------------|-------|--------------------------|
| WELD 1050 Horizontal Shielded Metal Arc Welding | 4     | <input type="checkbox"/> |
| WELD 1060 Vertical Shielded Metal Arc Welding   | 4     | <input type="checkbox"/> |
| WELD 1070 Overhead Shielded Metal Arc Welding   | 4     | <input type="checkbox"/> |

### 3<sup>rd</sup> set of suggested courses

| Course                                             | Hours | Completed                |
|----------------------------------------------------|-------|--------------------------|
| WELD 1120 Preparation for Industrial Qualification | 4     | <input type="checkbox"/> |

### 4<sup>th</sup> set of suggested courses

| Course                               | Hours | Completed                |
|--------------------------------------|-------|--------------------------|
| WELD 1152 Pipe Welding               | 4     | <input type="checkbox"/> |
| MATH 1012 Foundations of Mathematics | 3     | <input type="checkbox"/> |

**Total Credit Hours: 35 Minimum Credit Hours Required to Complete Certificate**

### Pipe Shielded Metal Arc Welding Certificate Planning Notes:

- Classes for this program are offered at the Floyd County Campus, Walker County Campus, and Whitfield Murray Campus (schedules may vary).
- This certificate can be earned concurrently with the Welding and Joining Technology (WAJ2) Diploma.
- Program Advisors by campus: Brandon Johnson, [bjohnson@gntc.edu](mailto:bjohnson@gntc.edu) (Floyd), Jeremiah Cooper, [jcooper@gntc.edu](mailto:jcooper@gntc.edu) (Walker), Billy Brown, [bbrown@gntc.edu](mailto:bbrown@gntc.edu) or Matthew Daniel, [mdaniel@gntc.edu](mailto:mdaniel@gntc.edu) (Whitfield-Murray).

Additional information for the Pipe Shielded Metal Arc Welding Certificate and program requirements can be found at [GNTC 2026-2027 Catalog](#).