

GENERAL TECHNOLOGY, WELDING CONCENTRATION, A.A.S. - WLDG

Students in the A.A.S. program learn to weld in the four main positions: flat, vertical, horizontal and overhead on both structured steel and pipe. Students are required to meet quality standards through practical weld tests as specified by the American Welding Society and the American Society of Mechanical Engineers Codes and Requirements. These tests ensure that graduates can perform quality work before they go on the job. These skills facilitate the student's entry into the job market, and completing an associate degree can lead to job advancement.

Requirements

Courses	Course Title	Credit Hours
General Education Courses		
ENG 101	English Composition I	3
or ENG 165	Professional Communications	
Select a Mathematical Requirement (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/) or one of the following courses:		3
MAT 155	Contemporary Mathematics	
MAT 170	Algebra, Geometry and Trigonometry I	
MAT 171	Algebra, Geometry and Trigonometry II	
Elective Social/Behavioral Sciences (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Lab Science/Mathematics (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Subtotal		15
Required Core Subject Areas		
WLD 102	Introduction to Welding	2
WLD 103	Print Reading I	1
WLD 105	Print Reading II	1
WLD 108	Gas Metal Arc Welding I	4
WLD 113	Arc Welding II	4
WLD 115	Arc Welding III	4
WLD 136	Advanced Inert Gas Welding	2
WLD 142	Maintenance Welding	3
Subtotal		21
Secondary Specialty		
MTT 120	Machine Tool Print Reading	3
MTT 121	Machine Tool Theory I	3
MTT 122	Machine Tool Practice I	4
MTT 143	Precision Measurements	2
Subtotal		12
Other Courses Required for Graduation		

WLD 117	Specialized Arc Welding	4
WLD 132	Inert Gas Welding Ferrous	4
WLD 154	Pipefitting and Welding	4
WLD 208	Advanced Pipe Welding	3
WLD 229	Inert Gas Welding Pipe II	2
Subtotal		17
Total Hours		65

* Students wishing to pursue an alternate secondary specialty should consult with their Academic Advisor.

Electives (Minimum of 12 Credits)

Students may use credits in the Industrial Technology curricula section to develop a third technical specialty or to enhance the primary and secondary specialties.

Graduation Plan

To obtain a semester-by-semester graduation plan for this major, please contact the program director, Jim Ladd (https://websrv.ptc.edu/directory/James_Ladd1431/).

Application and Advising

If you are ready to start your education, there are a few simple steps involved in enrolling at Piedmont Technical College.

Get Started Today (<https://www.ptc.edu/admissions/new-students/>)

Advising Information

The following information provides a guide for advisors who are helping students enroll in this program.

Program Notes

Students may begin this program in any semester and may attend part-time or full-time.

Developmental English and math courses should not conflict with welding courses and do not have to be completed before welding classes are attempted. These classes should be scheduled when other students are taking General Education courses.

Notes About Individual Classes

ENG 165 can fulfill the English requirement for this program. Students will follow this progression, with their starting point being determined by their placement test scores: ENG 032/012 and/or RDG 032/012 (or RWR 032/012) > ENG 100 and/or RDG 100 (or RWR 100) > ENG 165. ENG 101 can be substituted for ENG 165, and ENG 101 is more likely to transfer to a four-year institution.

MAT 170 can fulfill the mathematical requirement for this program. Students will follow this progression, with their starting point being determined by their placement test scores: MAT 032/012 > MAT 170.

WLD courses are offered during days and evenings.

Students who work alternating shifts are encouraged to enroll in the certificate program and to rotate between day and evening classes to fit his/her work schedule.

Students should be prepared to purchase first semester welding supplies costing approximately \$226.60. Supplies for each additional semester of welding will cost approximately \$150.