



WELDING

Diploma | Certificate

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

To learn more visit www.piedmontcc.edu/welding

Overview WELDING

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Outlook for EMPLOYMENT

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Welders
Solderers
Cutters
Brazers
Machine Setters

COURSES

Required Courses for Program	DIP	CERT ¹	CERT ²
ACA 111 College Student Success *			
ACA 122 College Transfer Success *			
ENG 111 Writing Inquiry			
MAT 110 Math Calculations and Literacy			
WLD 110 Cutting Processes			
WLD 111 Oxy-Fuel Welding			
WLD 112 Basic Welding Processes			
WLD 115 SMAW (Stick) Plate			
WLD 116 SMAW (Stick) Plate/Pipe			
WLD 121 GMAW (MIG) FCAW/Plate			
WLD 122 GMAW (MIG) Plate/Pipe			
WLD 131 GTAW (TIG) Plate			
WLD 132 GTAW (TIG) Plate/Pipe **			
WLD 141 Symbol and Specifications			
WLD 151 Fabrication I **			
WLD 261 Certification Practices			
Total Semester Hours Required for Degree	41-42	12	12

Courses with matching symbols indicate OR/AND requirements. Review back page or contact Student Development for more information.

DIP= Diploma CERT¹ = Certificate (Basic) CERT² = Certificate (Intermediate)

■ Denotes required for degree completion

Process for ADMISSIONS

- Submit a complete Application for Admission to the Office of Admissions.
- Submit official transcript(s) of high school education and all post-high school course work to the Office of Admissions if requested. Office GED scores or transcript of courses for the Adult High School Diploma may be submitted in lieu of the high school transcript.
- Complete the Admission Placement Test.
- Diploma and certificate admission requirements may vary. Contact the Admissions Office for details.



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Program CONTACT

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DIPLOMA Suggested Course Sequence Full-time Student

Course#	Course Name	CL.	LB.	CLIN.	CR.
FALL SEMESTER					
ACA 111	College Student Success <i>OR</i>	1	0	0	1
ACA 122	College Transfer Success	0	2	0	1
ENG 111	Writing Inquiry	3	0	0	3
WLD 110	Cutting Processes	1	3	0	2
WLD 111	Oxy-Fuel Welding	1	3	0	2
WLD 112	Basic Welding Processes	1	3	0	2
WLD 115	SMAW (Stick) Plate	2	9	0	5
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	4
		10-11	24-26	0	19
SPRING SEMESTER					
MAT 110	Math Calculations and Literacy	2	2	0	3
WLD 116	SMAW (Stick) Plate/Pipe	1	9	0	4
WLD 122	GMAW (MIG) Plate/Pipe	1	6	0	3
WLD 131	GTAW (TIG) Plate	2	6	0	4
WLD 141	Symbol and Specifications	2	2	0	3
		8	25	0	17
SUMMER SEMESTER					
WLD 151	Fabrication I <i>OR</i>	2	6	0	4
WLD 132	GTAW (TIG) Plate/Pipe	1	6	0	3
WLD 261	Certification Practices	1	3	0	2
		2-3	9	0	5-6
		20-22	58-60	0	41-42

TOTAL SEMESTER HOURS REQUIRED FOR ASSOCIATES: 41-42