



2025 - 2026

# Welding Technology

Associate in Applied Science Degrees

MULTIPLE LOCATIONS

| VARIED SEMESTER LENGTHS

| NUMEROUS PROGRAMS

| FINANCIAL AID



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## Welding Technology

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 provide the student with industry-standard skills developed through classroom training and practical application.

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.

### For More Information:

Contact George Keller by email at [georgemkeller@abtech.edu](mailto:georgemkeller@abtech.edu) or by phone at 828-398-7684

### Total Cost Estimate

**Tuition per Semester (NC Resident)** \$1,216.00 (16+ credit hours)  
\$76.00/credit hour (1-15 hours)

**Computer Use and Technology Fee** \$48/semester

**Activity Fee** Fall and Spring semesters only,  
Main campus and Online, \$35.00

**CAPS Fee (Campus Access, Parking and Security)** \$20/semester

**Matriculation Fee** \$10/semester

**Student Insurance** \$2/Semester

**Additional Fees including books may incur, please check A-B Tech website for more detail:** <https://abtech.edu/program/welding-technology-aas-associate-applied-science-cost-estimate>

**Have you applied for Financial aid? Please visit A-B Tech website for instructions:** <https://abtech.edu/future-students/financial-aid/applying-aid>

*Courses requiring a grade of "C" or better: EGR and WLD*

	Course Prefix	Course Name	Credit Hours
First Semester (Fall)	EGR 110	Intro to Engineering Technology	2
	WLD 110	Cutting Processes	2
	WLD 115	SMAW (Stick) Plate	5
	WLD 121	GMAW (MIG) FCAW/Plate	4
	WLD 131	GTAW (TIG) Plate	4
Second Semester (Spring)	ENG 111	Writing and Inquiry	3
	MAT 110	Math Measurement & Literacy	3
	MEC 110	Intro to CAD/CAM	2
	WLD 116	SMAW (Stick) Plate/Pipe	4
	WLD 132	GTAW (TIG) Plate/Pipe	3
Third Semester (Summer)	WLD 141	Symbols and Specifications	3
	WLD 143	Welding Metallurgy	2
Fourth Semester (Fall)	COM 110	Introduction to Communication	3
	HUM 115	Critical Thinking	3
	ISC 121	Envir Health & Safety	3
	WLD 231	GTAW (TIG) Pipe	3
	WLD 262	Inspection & Testing	3
Fifth Semester (Spring)	PSY 150	General Psychology	3
	WLD 151	Fabrication I	4
	WLD 215	SMAW (Stick) Pipe	4
	WLD 261	Certification Practices	2
<b>Program Totals:</b>			<b>65</b>

### Diploma and Certificate Available:

**Welding Technology - Diploma**

**Basic Welding Certificate I**

**Robotic Welding - Certificate**

For more information, please visit:

<https://abtech.edu/programs/academic/welding-technology>