

Welding Technology

Welding Technology (A50420)

Degree Awarded

The Associate in Applied Science - Welding Technology is awarded by the college upon completion of this program.

Admissions

- Completion of a high school diploma or equivalent is required.
- Many courses have prerequisites or co-requisites. Check the Courses section for details.

Contact Information

The Welding Technology program is in the Skilled Trades Division. For more information, call the Welding Technology Program Chair at 704.330.4426 or the Skilled Trades Division at 704.330.4445.

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General Education Requirements

Select 3 Credit of the following: 3.0

ENG 111 Writing and Inquiry

Select 3 credits from the following: 3.0

COM 110 Introduction to Communication

COM 231 Public Speaking

ENG 112 Writing and Research in the Disciplines

ENG 113 Literature-Based Research

ENG 114 Professional Research & Reporting

Select 3 credits from the following: 3.0

MAT 110 Mathematical Measurement and Literacy

MAT 143 Quantitative Literacy

Select 3 credits from the following: 3.0

ECO 251 Principles of Microeconomics

ECO 252 Principles of Macroeconomics

HIS 111 World Civilizations I

HIS 112 World Civilizations II

HIS 131 American History I

HIS 132 American History II

POL 120 American Government

PSY 150 General Psychology

SOC 210 Introduction to Sociology

Select 3 credits of the following: 3.0

ART 111 Art Appreciation

ART 114 Art History Survey I

ART 115 Art History Survey II

DRA 111 Theatre Appreciation

HUM 120 Cultural Studies

HUM 130 Myth in Human Culture

MUS 110 Music Appreciation

MUS 112 Introduction to Jazz

PHI 215 Philosophical Issues

PHI 240 Introduction to Ethics

REL 110 World Religions

Major Requirements

ACA 122	College Transfer Success	1.0
WLD 110	Cutting Processes	2.0
WLD 115	SMAW (Stick) Plate	5.0
WLD 121	GMAW (MIG) FCAW/Plate	4.0
WLD 131	GTAW (TIG) Plate	4.0
WLD 141	Symbols and Specifications	3.0
WLD 116	SMAW (stick) Plate/Pipe	4.0
WLD 122	GMAW (MIG) Plate/Pipe	3.0
WLD 132	GTAW (TIG) Plate/Pipe	3.0
WLD 143	Welding Metallurgy	2.0
PFT 110	Introduction to Pipe Fitting	4.0
WLD 231	GTAW (TIG) Pipe	3.0
WLD 151	Fabrication I	4.0
WLD 261	Certification Practices	2.0
WLD 265	Automated Welding/Cutting	4.0
or WLD 270	Orbital Welding TIG/Pipe	

Technical Electives

Select 4 credits of the following: 4.0

WLD 215 SMAW (stick) Pipe

WLD 262 Inspection & Testing

BUS 230 Small Business Management

NDE 110 Introduction to Nondestructive Examination

ISC 110 Workplace Safety

ELC 111 Introduction to Electricity

ISC 112 Industrial Safety

ISC 115 Construction Safety

WBL 112 Work-Based Learning I

WLD 112 Basic Welding Processes

WLD 221 GMAW (MIG) Pipe

WLD 251 Fabrication II

PFT 210 Advanced Pipe Fitting

WLD 268 Robotic Gas Metal Arc Welding

Total Credits

67