



WELDING TECHNOLOGY

Associate in Applied Science Degree – AAS WDT

Program Locations: The Academy at Fairhope Airport, Atmore, Monroeville, and Thomasville Campuses

Length: Four Semesters

The Associate in Applied Science degree in Welding Technology is designed to prepare individuals for employment in the field of welding. The program is competency based that includes both theory and hands on practical application-based instruction. Instruction is provided in various processes and techniques of welding and cutting different types of materials.

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study; therefore, it is not subject to the terms and conditions of Alabama Transfers state transfer and articulation reporting system.

AREA I: Written Composition		3 Total Hours
ENG 101 – English Composition I		3
AREA II: Humanities and Fine Arts		3 Total Hours
Humanities and Fine Arts Elective: Choose one of the following		
ART 100 – Art Appreciation ART 203 – Art History I ART 204 – Art History II HUM 101 – Introduction to Humanities I HUM 102 – Introduction to Humanities II MUS 101 – Music Appreciation PHL 106 – Introduction to Philosophy	PHL 206 – Ethics and Society REL 100 – History of World Religions REL 151 – Survey of the Old Testament REL 152 – Survey of the New Testament THR 120 – Theater Appreciation THR 126 – Introduction to Theater	3
AREA III: Natural Sciences and Mathematics		6 Total Hours
CIS 146 – Microcomputer Applications		3
MTH 116 – Mathematical Applications		3
AREA IV: History, Social, and Behavioral Sciences		3 Total Hours
Choose one of the following:		
ECO 231 – Principles of Macroeconomics ECO 232 – Principles of Microeconomics GEO 100 – World Regional Geography HIS 101 – Western Civilization I HIS 102 – Western Civilization II HIS 121 – World History I HIS 122 – World History II HIS 201 – United States History I	HIS 202 – United States History II POL 200 – Introduction to Political Science POL 211 – American National Government PSY 200 – General Psychology PSY 210 – Human Growth and Development SOC 200 – Introduction to Sociology SOC 210 – Social Problems	3

AREA V: Pre-Professional, Major, and Elective Courses	46 Total Hours
WDT 110 – Industrial Blueprint Reading	3
WDT 125 – Shielded Metal Arc Welding Groove Lab	3
WDT 108 – Shielded Metal Arc Fillet/OFC	3
WDT 122 – Shielded Metal Arc Fillet/OFC Lab	3
WDT 109 – Shielded Metal Arc Fillet/PAC/CAC	3
WDT 123 – Shielded Metal Arc Fillet/PAC/CAC Lab	3
WDT 120 – Shielded Metal Arc Welding Groove	3
WDT 119 – Gas Metal Arc/Flux Cored Arc Welding	3
WDT 124 – Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 115 – GTAW Carbon Pipe	3
WDT 217 – SMAW Carbon Pipe	3
WDT 116 – GTAW Stainless Pipe	3
WKO 110 – NCCER Core	3
ORI 101 – Orientation to College or WKO 107 – Workplace Skills Preparation	1
Welding Electives: Choose two from the following: WDT 155 – GTAW Carbon Pipe Lab WDT 180 – Special Topics WDT 156 – GTAW Stainless Pipe Lab WDT 257 – SMAW Carbon Pipe Lab WDT 157 – Consumable Welding Process WDT 228 – Gas Tungsten Arc Welding WDT 158 – Consumable Welding Processes Lab WDT 281 – Special Topics in Welding WDT 167 – Flux Core Arc Welding Lab	6
Total Hours	61 SH