



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 STARS.

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		3
ART 100 – Art Appreciation	PHL 206 – Ethics and Society	
ART 203 – Art History I	REL 100 – History of World Religions	
ART 204 – Art History II	REL 151 – Survey of the Old Testament	
HUM 101 – Introduction to Humanities I	REL 152 – Survey of the New Testament	
HUM 102 – Introduction to Humanities II	THR 120 – Theater Appreciation	
MUS 101 – Music Appreciation	THR 126 – Introduction to Theater	
PHL 106 – Introduction to Philosophy		
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:		3
ECO 231 – Principles of Macroeconomics	HIS 202 – United States History II	
ECO 232 – Principles of Microeconomics	POL 200 – Introduction to Political Science	
GEO 100 – World Regional Geography	POL 211 – American National Government	
HIS 101 – Western Civilization I	PSY 200 – General Psychology	
HIS 102 – Western Civilization II	PSY 210 – Human Growth and Development	
HIS 121 – World History I	SOC 200 – Introduction to Sociology	
HIS 122 – World History II	SOC 210 – Social Problems	
HIS 201 – United States History I		

AREA V: Pre-Professional, Major, and Elective Courses		46 Total Hours
IET 114 – Basic Electricity or WDT 110 – Industrial Blueprint Reading		3
INT 117 – Principles of Industrial Mechanics or 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:		6
WDT 131 – Carbon Steel Fabrication Methods	WDT 167 – Flux Core Arc Welding Lab	
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 Processes	WDT 228 – Gas Tungsten Arc Welding	
WDT 158 – Consumable Welding Processes Lab	WDT 281 – Special Topics in Welding	
Total Hours		61 SH