

Welding – Associate in Occupational Technology Degree (AOT)

Catalog Page Reference: Page 190

Summary of Changes: *Math or Natural Science Elective was erroneously omitted from the degree's General Education & Electives.*

Welding

Associate in Occupational Technology Degree (AOT)

At a Glance

The Welding program at Central Alabama Community College provides students with the knowledge and skills in the heating and melting of metals. Students experience rigorous hands on training with cutting, forming, and the permanent jointing of metal products used in construction of bridges, buildings, and ships some of which are done in conjunction with computers and robots. Students often work on assembly lines, steel mills, railroad shops and highway departments.

General Education & Electives		CREDITS
CIS 146	Microcomputer Applications	3
ENG 131	Applied Writing OR English Composition I (ENG 101)	3
MTH 116	Mathematical Applications OR Higher Level	3
SPH 106	Fundamentals of Oral Communication.....	3
Humanities and Fine Arts Elective*		3
Social and Behavioral Science Elective*		3
Math or Natural Science Elective*		3-4
Total General Education Credit Hours		21-22

**Refer to general education section of catalog for electives. NOTE: Introductory foreign language courses cannot be utilized as the only Humanities and Fine Arts elective.*

Welding Technology Major		CREDITS
WDT 108	SMAW Fillet/OFC.....	3
WDT 109	SMAW Fillet/PAC/CAC	3
WDT 110	Industrial Blueprint Reading.....	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding	3
WDT 120	Shielded Metal Arc Welding Groove	3
WDT 122	SMAW Fillet/OFC Lab.....	3
WDT 123	SMAW Fillet/PAC/CAC Lab	3
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab.....	3
WDT 125	Shielded Metal Arc Welding Groove Lab	3
WKO 110	Orientation/NCCER Core	3
WDT Electives (Choose ONE combination from below)		6

WDT 115/155 GTAW Carbon Pipe/Lab **OR**
WDT 217/257 SMAW Carbon Pipe/Lab **OR**
WDT 228/268 GAS Tungsten Arc Welding/Lab

Total Welding Major Credit Hours36

Welding Technology Minor (Choose ONE option below)

Minor Option #1: Drafting CREDITS

DDT 104 Basic Computer Aided Drafting and Design3

DDT 111 Fundamentals of Drafting and Design Technology3

DDT 144 Basic 3-D Modeling.....3

DDT 127 Intermediate Computer Aided Drafting and Design.....3

Total Drafting Minor Option Credit Hours12

Total Credit Hours – AOT Welding – Drafting Option69-70

Minor Option #2: Machining CREDITS

MSP 104 Basic Machining Calculations2

MSP 105 Lathes3

MSP 107 Milling Machines3

MSP 121 Basic Blueprint Reading for Machinists2

MSP 125 Introduction to Machining Technology3

Total Machining Minor Option Credit Hours13

Total Credit Hours – AOT Welding – Machining Option 70-71