

OCCUPATIONAL CERTIFICATE (CERT) AWC ADVISEMENT CHECK SHEET**MANUFACTURING**

Student Name	ID #	Advisor	Major Code: CERT.MFG Credits: 52
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This program allows AWC students the opportunity for specialization in the following stackable certificates: American Welding Society (AWS) Certificate, National Center for Construction Education and Research (NCCER), OSHA-30 Construction Safety Card, Drafting, CNC Certificates: Basic Machining and Advanced Machining, Motor Controls, Advanced Motor Controls, and Power Generation.

Required Major Courses (52 Credits)		Cr	Gr	Sem	Notes
CNC 101	CNC Machine Operator	3			
CNC 201	Computer Aided Programming for CNC Machines	3			
DFT 100	AutoCad 1- Drafting	3			
DFT 180	CAD with Solidworks	3			
ECT 105	Basic Electricity	3			
ECT 210	Control Circuits	4			
ECT 230	Programmable Logic Controllers	2			
ECT 240	Power Generation Operation, Maintenance & Repair	4			
MFG 185	Quality Control and Inspection	3			
MFG 195	Materials Science and Metallurgy	3			
MFG 201	Machinery/Indust. Valve & Pump, Maintenance & Repair	3			
TEC 125	10-Hour Construction Card	1			
TEC 165	Employee and Occupational Safety	3			
WLD 106	Techniques in Gas Metal Arc Welding	3			
WLD 107	Basic Shop Tools & Welding for Beginners	2			
WLD 123	Manufacturing/Welding Technology Survey	3			
WLD 127	Welder Certification and Code Application	6			