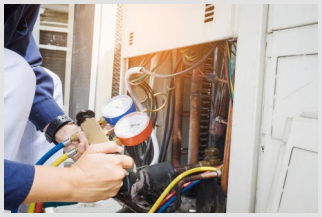
MANUFACTURING TECHNOLOGY

PROGRAM DESCRIPTION

This certificate is comprised of six stackable certificates*: Basic Manufacturing, Basic Manufacturing CAD, Advanced Manufacturing CAD, Basic Power Generation, Electrical for Manufacturing, and Manufacturing-Automation for Metals Joining and Severing Processes and one additional course. Students who complete the six stackable certificates and this certificate will also earn an OSHA-10 Construction Safety Card or an OSHA-30 Construction Safety Card and NCCER certification in demonstrated skills.



ARIZONA WESTERN COLLEGE

CTE STANDARDS | **SCOPE & SEQUENCE**

SYLLABUS | **CERTIFICATE SHEET**

JOB OUTLOOK

Successful completion of a certificate within the Manufacturing program may lead to employment in a variety of different occupations and industries. Related occupations carry annual median wages of $32,656 to 56,154, some occupations may require additional education or training.

COST REQUIREMENTS

Upon Acceptance in to Program -

- AWC Tuition and books paid for by STEDY
- $ 25.00 STEDY Enrollment fee

STEDY

www. STEDYcte.org

STEDY Office

928-366-5884

stedy@stedy01.org

STUDENTS REQUIREMENTS

- English with a "C" or better
- CTED district resident
- Enrolled in High School
- Minimum GPA of 2.0
- On track with credits/courses towards graduation
- History of good attendance
- Two Year Program commitment
- Transportation is the responsibility of the student; YCAT available at no cost

Next Steps, College Majors!

(Click the logo to view)

Arizona Western College | The University of Arizona | Arizona State University | Northern Arizona University

Manufacturing Technology

Grade Level: 10, 11, 12 Class: In person, online

Location: AWC Wellton/Yuma Times: Vary

Year	Semester	STEDY PROGRAM	College Course		College Credit Hours per Course	Total HS Credit per College Course	Total HS Credit per CTE Course
1	1 Fall	Manufacturing Technology	MFG 185	Quality Control and Inspection	3	0.5	1
			MFG 201	Machinery/Indust. Valve & Pump, Maint. & Repair	3	0.5	
1	2 Spring	Manufacturing Technology	MFG 195	Materials Science and Metallurgy	3	0.5	1
			CNC 101	CNC Machine Operator	3	0.5	
2	1 Fall	Manufacturing Technology II	DFT 100	AutoCAD 1 - Drafting	3	0.5	1.5
			DFT 180	CAD with SolidWorks	3	0.5	
			WLD 109	Gas Metals Arc Welding	3	0.5	
2	2 Spring	Manufacturing Technology II	CNC 201	Computer Aided Programming for CNC Machines	3	0.5	1.5
			ECT 240	Power Generation Operation, Maint. & Repair	3	0.5	
			WLD 201	Automation for Metals joining & Severing Proc.	4	0.5	
				Total Credits	31	5	
					College	High School	

Recommended High School courses:

- Algebra
- Physics
- Computers
- Welding
- Construction
- Engineering