

WESTERN DAKOTA TECHNICAL COLLEGE

ARCHITECTURAL AND ENGINEERING TECHNOLOGY - MECHANICAL Certificate, 20 Credit Hours, 9-Month Program

The Architectural and Engineering Technology program at WDTC equips students with the skills and knowledge necessary to produce accurate technical drawings using industry standard design software.

Graduates of this certificate receive training in only the technical mechanical courses. It is designed for students who already have a related degree but wish to specialize in mechanical design.

Course No.	Course Title	Credits
AE 101	INTRODUCTION TO ARCHITECTURE AND ENGINEERING	3
AE 139	2D CAD	3
AE 142	MECHANICAL 3D CAD	3
AE 232	MECHANICAL PRINCIPLES	3
AE 234	MECHANICAL PRINT READING	2
AE 244	3D ENGINEERING DESIGN	3
AE 247	COMPUTER AUTOMATED MANUFACTURING	3
Total		20

Some courses are offered only in certain semesters.
See Program Director for enrollment approval.

Semester Breakdown Certificate

First Semester			Second Semester		
		CR			CR
AE 101	Introduction to Architecture & Engineering	3	AE 232	Mechanical Design I	3
AE 139	2D CAD	3	AE 234	Mechanical Print Reading	2
AE 142	Mechanical 3D CAD	3	AE 244	Mechanical Design I	3
			AE 247	CAM & CNC Technologies	3
Total Credit Hours		9	Total Credit Hours		11

2025-2026 Academic Catalog – 5/2025

Apply online today at wdt.edu or call Admissions Department at (605) 718-2565 or email admissions@wdt.edu

Learn. Do. Now.