

 	<p align="center">CAREER ENHANCEMENT CERTIFICATE</p> <p align="center">MECHANICAL ENGINEERING TECHNOLOGY – DESIGN MAJOR - ADVANCED CAD</p> <p align="center"><i>The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.</i></p>	2025-26 Catalog Effective Summer 2025
		4003

Business, Engineering, and Information Technologies Division

Engineering Technology Department

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>	
DET121	Engineering Drawing	3		
DET124	Working Drawings	3	DET121 and Co-DET125	
DET125	Basic AutoCAD	3		
DET132	SolidWorks with 3D Printing and Scanning	3	DET125	
DET126	Customizing AutoCAD	3	DET125	
DET131	Pro/ENGINEER (Creo Parametric)	3	DET125	
DET230	AutoCAD Inventor with 3D Printing and Scanning	3	DET125	
TOTAL CREDIT HOURS		22		

STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

First Semester

		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
DET125	Basic AutoCAD	3	
DET121	Engineering Drawing	<u>3</u>	
		7	

Second Semester

DET132	SolidWorks with 3D Printing and Scanning	3	DET125
DET126	Customizing AutoCAD	3	DET125
DET131	Pro/ENGINEER (Creo Parametric)	3	DET125
DET124	Working Drawings	3	DET121 and Co-DET125
DET230	AutoCAD Inventor with 3D Printing and Scanning	<u>3</u>	DET125
		15	
TOTAL CREDITS		22	

^^To promote student success, this course should be taken in the first semester

The classes in this certificate also apply toward the completion of a Mechanical Engineering Technology – Design Major (4058).