

COMPUTER AIDED DRAFTING AND DESIGN CERTIFICATE

Evening Program Options Available

Students completing the Computer Aided Drafting Design Certificate will be prepared for entry-level mechanical design and layout for the manufacturing industry. In addition, basic construction design work will be introduced. The student will be able to use current CADD software for both 2-D and 3-D presentations. The certificate is designed to articulate credit for Career Technical Education students from regional K-12 programs. This certificate may be applied toward the Associate of Applied Science in Technology.

Requirements

Code	Title	Credits
Required Coursework		27.00
CADD-215	BASIC AUTOCAD	
CADD-216	ADVANCED AUTOCAD ¹	
CADD-217	COMPUTER AIDED MODELING-INVENTOR ¹	
CADD-220	ARCHITECTURAL DRAWING ¹	
CADD-221	CADD 3D INDEPENDENT PROJECT ¹	
CADD-230	CADD CAPSTONE PROJECT ¹	
CIS-101	INTRO TO COMPUTERS & SOFTWARE ¹	
INDS-151	MANUFACTURING PROCESSES	
Select one of the following:		
CADD-218	COMPUTER AIDED MODELING-SOLIDWORKS ¹	
	or CADD-219 ADVANCED COMPUTER AIDED DRAFTING 3D,MODELING	
Total Credits		27.00

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Course has prerequisite(s)

Tuition is calculated by contact hours per semester.

Current/Updated: 07/01/2023

Suggested Schedule

Computer Aided Drafting & Design Certificate

Course	Title	Credits
Fall 1		
Required Coursework		10.00
CADD-215	BASIC AUTOCAD	
CADD-220	ARCHITECTURAL DRAWING	
CIS-101	INTRO TO COMPUTERS & SOFTWARE	
Credits		10.00
Winter 1		
Required Coursework		3.00
CADD-216	ADVANCED AUTOCAD	
Credits		3.00
Fall 2		
Required Coursework		6.00
CADD-217	COMPUTER AIDED MODELING-INVENTOR	
INDS-151	MANUFACTURING PROCESSES	
Credits		6

Winter 2		
Required Coursework		8.00
CADD-218 or CADD-219	COMPUTER AIDED MODELING-SOLIDWORKS or ADVANCED COMPUTER AIDED DRAFTING 3D,MODELING	
CADD-221	CADD 3D INDEPENDENT PROJECT	
CADD-230	CADD CAPSTONE PROJECT	
Credits		8.00
Total Credits		27.00

Applied Science and Technology Degree – CADD Certificate

Course	Title	Credits
Fall 1		
Required Coursework		14.00
CADD-215	BASIC AUTOCAD	
CIS-101	INTRO TO COMPUTERS & SOFTWARE	
ENG-121	ENGLISH COMPOSITION I	
MATHEMATICS: 100-level or above		
Credits		14.00
Winter 1		
Required Coursework		18.00
CADD-216	ADVANCED AUTOCAD	
COM-150	PUBLIC SPEAKING	
INDS-151	MANUFACTURING PROCESSES	
SOCIAL SCIENCE ELECTIVE		
ELECTIVE - 5 CREDITS		
Credits		18.00
Fall 2		
Required Coursework		14.00
CADD-217	COMPUTER AIDED MODELING-INVENTOR	
CADD-220	ARCHITECTURAL DRAWING	
PSY-101	PSYCHOLOGY	
SOC-120	PRIN OF SOCIOLOGY	
Credits		14.00
Winter 2		
Required Coursework		14.00
CADD-218 or CADD-219	COMPUTER AIDED MODELING-SOLIDWORKS or ADVANCED COMPUTER AIDED DRAFTING 3D,MODELING	
CADD-221	CADD 3D INDEPENDENT PROJECT	
CADD-230	CADD CAPSTONE PROJECT	
ELECTIVES - 6 CREDITS		
Credits		14.00
Total Credits		60.00