

COMPUTER-AIDED DRAFTING AND DESIGN DEGREE – M180

Associate of Applied Science (AAS)

CATALOG DESCRIPTION OF PROGRAM:

The Computer-Aided Drafting and Design (CADD) AAS degree program offers a balanced course of study in drafting and design with the aid of state-of-the-art software, computers, and input/output devices. Students are prepared to qualify for jobs where CADD associates work as the important CADD link in the modern design process with engineers and architects on one hand and detail drafters and manufacturers on the other hand. Emphasis is on engineering drawing, architectural drawing, engineering design, and realistic 3D modeling.

COURSE	CURRENT SEQUENCE	CREDITS	PREREQUISITES	SEMESTER	GRADE
1st Semester					
PRE 100	Preparation for Academic Achievement	1	None		
CADD 101	Introduction to CADD	3	Permission of CADD Program Coordinator		
CADD 111	CADD Applications	3	Permission of CADD Program Coordinator		
SP 101	Fundamentals of Speech Communication	3	ENG 82 or RENG 92		
SBS-Elective	Gen. Ed. Req.: Social & Behavioral Sciences	3	Depends on course chosen		
Semester Credits		13			
2nd Semester					
CADD 105	Intermediate CADD	3	CADD 101		
CADD 112	CADD Architectural Applications I	3	CADD 101		
CADD 140	CADD 3D Modeling	3	CADD 101		
ENG 101	English Writing	3	ENG 82 or RENG 92		
BPS-Elective	Biological and Physical Sciences with lab	4	Depends on course chosen		
Semester Credits		16			
3rd Semester					
MAT 128	Pre-Calculus: College Algebra	4	MAT 82 or MAT 92; ENG 82 or RENG 92		
CADD 151	Technical Graphics	3	CADD 101		
CADD 200	Geographic Information Systems Applications	3	CADD 101 or CADD 111		
CADD 205	CADD Engineering Drawing I	3	CADD 101		
SBS-Elective	Gen. Ed. Req.: Social & Behavioral Sciences	3	Depends on course chosen		
Semester Credits		16			
4th Semester					
CADD 206	CADD Engineering Drawing II	3	CADD 101		
CADD 208	CADD Mechanical Applications	3	CADD 105		
CADD 211	CADD Civil Applications	3	CADD 101 or CADD 111		
CADD 222	CADD Architectural Applications II	3	CADD 112		
COP 100	Cooperative Education	1	2.0 GPA; completion of 15 credits		
HLF-Elective	Health and Life Fitness	2	None		
Semester Credits		15			
PROGRAM TOTAL		60			

Advisor Signature: _____
 Student Signature: _____

Date: _____
 Date: _____

Pre-Requisites for Students in Developmental Courses

COURSE	CURRENT SEQUENCE	CREDITS	PREREQUISITES	SEMESTER	GRADE
RENG 90	Intensive Program Writing	4 hrs.	Placement Test		
RENG 91	Composition Skills I	4 hrs.	Placement Test or RENG 90		
RENG 92	Composition Skills II	4 hrs.	Placement Test or RENG 91		
MAT 80	Arithmetic	3 hrs.	Placement Test		
MAT 86/	Integrated Pre-Algebra and Introductory Algebra	5 hrs.	Placement Test or MAT 80 Students who complete MAT 80 with an A or B within a one year period; Students who recently (within one year) failed and need to repeat MAT 91; students whose ACUPLACER placement score on Elementary Algebra falls within the range 52-62.		
MAT 87M	Integrated Elementary and Intermediate Algebra				
MAT 91	Elementary Algebra	4 hrs.	Placement Test or MAT 80		
MAT 92	Intermediate Algebra	4 hrs.	Placement Test or MAT 91		