

**COMPUTER AIDED DRAFTING AND DESIGN****Computer Assisted Drafter****Certificate****Academic Plan Code****1513013059**

<b>Contact Information:</b> Stephanie Milliken				
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Student Name		Student ID#		
Course		Hours	Grade	Semester
<b>GENERAL EDUCATION</b>				
Written Communication, Oral Communications, or Humanities/Heritage		3		
Quantitative Reasoning (MAT 105 excluded)		3		
<b>TECHNICAL CORE</b>				
CAD 100 Introduction to Computer Aided Design		3		
CAD 102 Drafting Fundamentals		4		
CAD 112 Engineering Graphics		4		
CAD 200 Intermediate Computer Aided Design		4		
CAD 201 Parametric Modeling		4		
Technical Elective		3-4		
Total Credits		28-29		
<b>TECHNICAL ELECTIVES</b>				
This list is not all inclusive; other courses may be taken as approved by the Program Coordinator such as courses with prefix ACH, BRX, CAR, SMT, and PLW.				
ACH 110 Survey of the Architectural Profession		1		
ACH 160 Building Materials and Construction I		3		
ACH 291 Construction Management		3		
CAD 108 Introduction to Surveying		3		
CAD 120 Introduction to Architecture		4		
CAD 130 Descriptive Geometry		4		
CAD 150 Programming in CAD		4		
CAD 212 Industrial Drafting Processes		4		
CAD 216 Building Information Modeling		4		
CAD 222 Mechanical Design		4		
CAD 220 Architectural Design		4		
CAD 230 Construction Techniques		4		
CAD 240 Advanced Dimensioning and Measurement		4		
CAD 252 Commercial Detailing		4		
CAD 262 Working Drawings		4		
CAD 292 Industrial Applications		4		
CAD 293 Special Problems		1-4		
DPT 100 Introduction to 3D Printing Technology		3		
DPT 102 3D Printing Technology Fundamentals		2		

Revised Date: 8/28/2018

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<b>Fall Semester</b>		
<b>Course No.</b>	<b>Course Title</b>	<b>Credit Hours</b>
CAD 100	Introduction to Computer Aided Design	3
CAD 102	Drafting Fundamentals	4
CAD 112	Engineering Graphics	4
	Quantitative Reasoning (MAT 105 excluded)	3
	Subtotal	14
<b>Spring Semester</b>		
<b>Course No.</b>	<b>Course Title</b>	<b>Credit Hours</b>
CAD 200	Intermediate Computer Aided Design	4
CAD 201	Parametric Modeling	4
	Written Communication, Oral Communications, or Humanities/Heritage	3
	Technical Electives from the list	3-4
	Subtotal	14-15
	Grand Total	28-29
<p>Program Coordinator Notes: Progression in the Computer Aided Drafting and Design program is contingent upon achievement of a grade of "C" or greater in each technical and mathematics course with maintenance of a 2.0 cumulative grade point average or above (on a 4 scale). Digital Literacy will be demonstrated in CAD 100 Introduction to Computer Aided Design. It is the ultimate responsibility of the student to stay current with the curriculum requirements.</p>		