

COMPUTER AIDED DRAFTING AND DESIGN

Computer Aided Drafting and Design

Diploma

Academic Plan Code 1513014049

Contact Information: Stephanie Milliken				
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Student Name		Student ID#		
Course	Hours	Grade	Semester	
GENERAL EDUCATION				
Area 1: Written Communication, Oral Communications, or Humanities/Heritage		3		
Area 2: Quantitative Reasoning (MAT 105 excluded)		3		
TECHNICAL CORE				
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		
CAD 298 Practicum OR		1-3		
CAD 299 Cooperative Education		(1-3)		
Technical Electives (Choose from the Technical Elective List)		22		
Total Credits		48-50		
TECHNICAL ELECTIVES				
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		
Note: Digital Literacy must be demonstrated either by competency exam or by completing a computer/digital literacy course.				

Revised Date: 8/28/2018

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KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

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Fall Semester		
Course No.	Course Title	Credit Hours
CAD 100	Introduction to Computer Aided Design	3
CAD 102	Drafting Fundamentals	4
CAD 112	Engineering Graphics	4
	Area 2: Quantitative Reasoning (MAT 105 excluded)	3
	Subtotal	14
Spring Semester		
Course No.	Course Title	Credit Hours
CAD 200	Intermediate Computer Aided Design	4
CAD 201	Parametric Modeling	4
	Area 1: Written Communication, Oral Communications or Humanities/Heritage	3
	Technical Electives (Choose from the Technical Elective List)	4
	Subtotal	15
Summer Semester		
Course No.	Course Title	Credit Hours
	Technical Electives (Choose from the Technical Elective List)	4
	Subtotal	4
Fall Semester		
Course No.	Course Title	Credit Hours
CAD 298	Practicum OR	1-3
CAD 299	Cooperative Education	(1-3)
	Technical Electives (Choose from the Technical Elective List)	14
	Subtotal	15-17
	Grand Total	48-50
Technical Electives: Choose 19 credits from the following list.		
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.		
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
ACH 110	Survey of the Architectural Profession	1
ACH 160	Building Materials and Construction I	3
ACH 291	Construction Management	3
DPT 100	Introduction to 3D Printing Technology	3

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DPT 102	3D Printing Technology Fundamentals	2
<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).</p> <p>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>		