Computer Aided Drafting and Design – Computer Assisted Drafter Certificate

Program Coordinator: William M. (Mike) Franklin **E-mail: william.franklin@kctcs.edu** **Phone: 859-246-6771**

Program Website: https://bluegrass.kctcs.edu/education-training/program-finder/computer-aided-drafting-design.aspx

Student Name: **Student ID:**

Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.

First Semester	Credit Hours	Term	Grade	Prerequisites	Notes
CAD 100 Introduction to Computer Aided Design	3				
CAD 102 Drafting Fundamentals	4				
Quantitative Reasoning course, MAT 110 or higher	3				MAT 116 recommended
Written Communication, Oral Communications, or Humanities/Heritage	3				
Total Semester Credit Hours	**13**				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CAD 112 Engineering Graphics	4			CAD 102	See note below.
CAD 200 Intermediate Computer Aided Design	4			CAD 100	
CAD 201 Parametric Modeling	4				
Technical Elective	3 – 4				See list on back.
Total Semester Credit Hours	**15 – 16**				
Total Certificate Credit Hours	**28 – 29**				

Graduation Requirements:

☐ **25% or more of Total Certificate Credit Hours must be earned at BCTC**

☐ **Grade of C or higher in each course required for the certificate**

Advisor Name _____ **Advisor Contact** _____

Additional Information
*If CAD 112 Engineering Graphics is not offered by BCTC, CET 150 Civil Engineering Graphics may be substituted with the approval of the Computer Aided Drafting and Design Program Coordinator.

Reviewed by: Mike Franklin Review Date: 1-30-20

Technical Electives		
Course	**Cr. Hrs.**	**Prerequisites**
CAD 108 Introduction to Surveying	3	
CAD 120 Introduction to Architecture	4	CAD 100
CAD 150 Programming in CAD	4	CAD 100
CAD 212 Industrial Drafting Processes	4	CAD 100
CAD 216 Building Information Modeling	4	
CAD 222 Mechanical Design	4	CAD 100
CAD 240 Advanced Dimensioning and Measurement	4	CAD 100
CAD 292 Industrial Applications	4	Approval of Instructor
CAD 293 Special Problems	1 – 4	Approval of Program Coordinator
DPT 100 Introduction to 3D Printing Technology	3	
DPT 102 3D Printing Technology Fundamentals	3	Demonstration of Digital Literacy
ACH 110 Survey of the Architectural Profession	1	
ACH 160 Building Materials and Construction I	3	
BRX 120 Basic Blueprint Reading	3	
BRX 220 Blueprint Reading for Construction	3	
Other courses (such as courses with prefixes ACH, BRX, CAR, SMT, and PLW) approved by the Computer Aided Drafting and Design Coordinator	1 – 7	