



## Computer Aided Drafting and Design (1513017029)

### Associate in Applied Science (AAS)

Program Coordinator: William M (Mike) Franklin E-mail: [william.franklin@kctcs.edu](mailto: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 need to be at KCTCS placement levels for some courses, please verify with coordinator*

First Semester	Credits	Term	Grade	Prereqs/Notes
CAD 102 - Drafting Fundamentals	4			OR ACH 100 or BRX 120
CAD 103 - CAD Fundamentals <b>OR</b>	4			
CAD 100 - Introduction to CAD <b>AND</b>	(3)			OR ACH 195
Digital Literacy	(0-3)			
SMT 110 - Principles of Surveying	3			OR CAD 108 (Recommended Elective)
MAT 116 - Technical Mathematics*	3			Quantitative Reasoning
<b>Total Semester Credit Hours</b>	<b>14-16</b>			

Second Semester	Credits	Term	Grade	Prereqs/Notes
CAD 120 - Introduction to Architecture	4			(Recommended Elective)
CET 150 - Civil Engineering Graphics	3			Substitute for CAD 112
CAD 201 - Parametric Modeling	4			
CAD 293 - Special Problems	1-4			(Recommended Elective)
ENG 101 - Writing I	3			Written Communication
<b>Total Semester Credit Hours</b>	<b>15-18</b>			

Third Semester	Credits	Term	Grade	Prereqs/Notes
CAD 200 - Intermediate CAD	4			
CET 295 - Independent Problems	1-4			(Recommended Elective)
Technical Elective <sup>1</sup>	1-4			(Recommended Elective)
Social / Behavior Sciences	3			
Natural Sciences	3			
<b>Total Semester Credit Hours</b>	<b>12-18</b>			

Fourth Semester	Credits	Term	Grade	Prereqs/Notes
CAD 298 - Practicum	1-3			OR CAD 299 Cooperative Education
Technical Elective <sup>1</sup>	4-13			Technical Electives MUST total 22 hours
Heritage / Humanities	3			
Oral Communications	3			
<b>Total Semester Credit Hours</b>	<b>10-21</b>			
<b>Total Credential Hours</b>	<b>60-65</b>			

*Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College.*

Advisor Name:

Advisor Signature: \_\_\_\_\_

Student Name:

Student Signature: \_\_\_\_\_

**Special Instructions:**

\*Math requirements can be satisfied by one of the following courses:  
MAT 116, MAT 126, MAT 150 or higher level math course per coordinator approval.

1. Technical Electives MUST total 22 hours.

**Approved Electives**

CAD 100 - Introduction to CAD	3	or ACH 195
CAD 120 - Introduction to Architecture	4	
CAD 108 - Introduction to Surveying	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	
DPT 100 - Introduction to 3D Printing Technology	3	
SMT 110 - Principles of Surveying	3	or CAD 108