

COMPUTER AIDED DRAFTING AND DESIGN - AAS

Offered at: Big Sandy Community and Technical College, Bluegrass Community and Technical College, Elizabethtown Community and Technical College

Program Plan Number: 1513017029

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 4.0 scale).

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
ACH 110	Survey of the Architectural Profession	1
ACH 160	Building Materials and Construction I	3
ACH 291	Construction Management	3
BRX 120	Basic Blueprint Reading	3
BRX 220	Blueprint Reading for Construction	3

Course	Title	Credits
General Education		
ENG 101	Writing I	3
	Quantitative Reasoning ¹	3
	Natural Sciences	3
	Social/Behavioral Sciences	3
	Heritage/Humanities	3
	Oral Communications	3
	Subtotal	18
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 Drafting	4
CAD 201	Parametric Modeling	4
CAD 298	Practicum	1-3
	or CAD 299 Cooperative Education	
	Technical Electives	22
	Subtotal	42-44
Total Credits		60-62

¹ MAT 105 Business Mathematics (3 credit hours) excluded.

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.)

Course	Title	Credits
CAD 108	Introduction to Surveying	3
CAD 120	Introduction to Architecture	4
CAD 150	Programming in CAD	4
CAD 212	Industrial Drafting Processes	4
CAD 216	Building Information Modeling	4
CAD 220	Architectural Design	4
CAD 222	Mechanical Design	4
CAD 230	Construction Techniques	4
CAD 240	Advanced Dimensioning and Measurement	4
CAD 252	Commercial Detailing	4
CAD 262	Working Drawings	4