

Computer Aided Drafting & Design Diploma



Name	Empl. ID	Date Entered	Date Grad

Core Courses for Associate in Applied Science Degree	Credit	Res	Tr	Notes
Written Communication, Oral Communications, or Humanities/Heritage	3			
MAT 116 <i>OR</i> Higher- Level Math	3			
GENERAL EDUCATION SUBTOTAL:	6			

TECHNICAL COURSES	Credit	Res	Tr	Notes
CAD 100 Introduction to Computer Aided Design	3			Recommended first semester
CAD 102 Drafting Fundamentals	4			Recommended first semester
CAD 112 Engineering Graphics	4			Prereq: CAD 102
CAD 200 Intermediate Computer Aided Drafting	4			Prereq: CAD 100 with grade of C or better or instructor approval
CAD 201 Parametric Modeling	4			Recommended first semester
CAD 298 Practicum <i>OR</i> CAD 299 Cooperative Education	1-3			Prereq: department consent and program coordinator approval
TECHNICAL COURSES SUBTOTAL:	23			

TECHNICAL ELECTIVES: Choose 22 credits from the following list. Other courses may be taken as approved by the program coordinator.	Credit	Res	Tr	Notes
BRX 120 Basic Blueprint Reading	3			
BRX 220 Blueprint Reading for Construction	3			
CAD 108 Introduction to Surveying	3			
CAD 120 Introduction to Architecture	4			Recommended ECTC class
CAD 130 Descriptive Geometry	4			Prereq: CAD 112 with grade of C or better or instructor approval
CAD 150 Programming in CAD	4			Prereq: CAD 100 with grade of C or better or instructor approval
CAD 212 Industrial Drafting Processes	4			Prereq: CAD 100 with grade of C or better or instructor approval
CAD 216 Building Information Modeling	4			
CAD 220 Architectural Design	4			Prereq: CAD 120 with grade of C or better or instructor approval
CAD 222 Mechanical Design	4			Prereq: CAD 100 with grade of C or better or instructor approval
CAD 230 Construction Techniques	4			Prereq: CAD 120 with grade of C or better or instructor approval
CAD 240 Advanced Dimensioning and Measurement	4			Prereq: CAD 100 with grade of C or better or instructor approval
CAD 252 Commercial Detailing	4			Prereq: CAD 120 with grade of C or better or instructor approval
CAD 262 Working Drawings	4			Prereq: CAD 120 with grade of C or better or instructor approval
CAD 292 Industrial Applications	4			Prereq: department consent and instructor approval
CAD 293 Special Problems	1-4			Prereq: department consent and program coordinator approval

TECHNICAL ELECTIVES: Choose 22 credits from the following list. Other courses may be taken as approved by the program coordinator.	Credit	Res	Tr	Notes
TECHNICAL ELECTIVE SUBTOTAL	22			
PROGRAM TOTAL	48-50			

Progression in the program is contingent upon achieving a grade of “C” or better in each technical and mathematics course and maintenance of a 2.0 cumulative grade point average or better (on a 4.0 scale).

For a list of KCTCS general education classes in each category, go to

<https://kctcs.edu/education-training/course-catalog/2019-2020-KCTCS-Catalog.pdf> pp. 77-80.

Or KCTCS Homepage (www.kctcs.edu)> education & training> course catalog> 2019-2020 KCTCS Catalog> pp. 77-80.

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