

# Associate in Applied Science

## Computer Aided Drafting & Design



Name	Empl. ID	Date Entered	Date Grad

DEVELOPMENTAL COURSES AS NEEDED		Notes
RDG 20/100	3-6	
ENC 90/100	2-5	
MAT 55/61	3-4	

Core Courses for Associate in Applied Science Degree	Credit	Res	Tr	Notes
ENG 101 Writing I	3			
Oral Communications	3			
Quantitative Reasoning (MAT 116 or higher)	3			MAT 141 or higher if pursuing BS
Natural Sciences	3			
Heritage/Humanities	3			
Social and Behavioral Sciences	3			
<b>GENERAL EDUCATION SUBTOTAL</b>	<b>18</b>			

TECHNICAL COURSES	Credit	Res	Tr	Notes
CAD 100 Introduction to Computer Aided Design	3			<b>Recommended first semester</b>
CAD 102 Drafting Fundamentals	4			<b>Recommended first semester</b>
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			<b>Recommended first semester</b>
CAD 298 Practicum <i>OR</i> CAD 299 Cooperative Education	1-3			
<b>TECHNICAL COURSES SUBTOTAL</b>	<b>24-25</b>			

TECHNICAL ELECTIVES: Choose 22 credits from the following list. Other courses may be taken as approved by the program coordinator.	Credit	Res	Tr	Notes
CAD 108 Introduction to Surveying	3			
CAD 120 Introduction to Architecture	4			<b>Recommended ECTC class</b> 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 262 Commercial Detailing	4			Prereq: CAD 120 with grade of C or better or instructor approval

<b>TECHNICAL ELECTIVES: Choose 22 credits from the following list. Other courses may be taken as approved by the program coordinator.</b>	<b>Credit</b>	<b>Res</b>	<b>Tr</b>	<b>Notes</b>
CAD 292 Industrial Applications	4			Prereq: department consent and instructor approval
CAD 293 Special Problems	1-4			Prereq: department consent and program coordinator approval
DPT 102 Digital Printing Fundamentals	2			Prereq: department consent and program coordinator approval
EET 148 Electronic Drafting	3			Prereq: department consent and program coordinator approval
<b>TECHNICAL ELECTIVE SUBTOTAL:</b>	<b>22</b>			
<b>PROGRAM TOTAL</b>	<b>60-62</b>			

*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](http://www.kctcs.edu))> education & training> course catalog> 2019-20 catalog> pp. 77-80.

**March 2019**