

Associate of Applied Science in Engineering Technology

CAD Technology, 2020-21

	Course	Title	Cr.	Sched.	Prerequisites
Associate of Applied Science GE Requirement					
GE require- ments	ENGL 1010	Introduction to Academic Writing	3	F/S/Su	Eng ACT of 17 or higher
	MATH 1050	College Algebra	4	F/S/Su	MATH 1010 or 23 ACT
		American Institutions class	3	F/S/Su	
	GE Knowledge		3	F/S/Su	
	GE Knowledge		3	F/S/Su	
Engineering Technology CAD Requirements					
Core Req'd	CCET 1010	Intro to Engineering & Technical Design	3	F/S	
	CCET 4610	Advanced Solid Modeling	3	S	CCET 1040 & 2620 or 3630
	ENGR 1010	Engineering in the 21st Century	3	F/S	
CAD Required Courses	CCET 1030	Intro to CAD/CAM 3D Design	3	F/S	
	CCET 1040	Intro to Residential Arch using AutoCAD	3	F/S	
	CCET 3670	Civil Design	3	S	CCET 1010 or 1040
	CCET 4600	Engineering Design	3	S	CCET 1040 & 2620 or 3630
	ENGR 1030	Computer-Aided Design SolidWorks	3	F/S	
	MATH 1060	Trigonometry	3	F/S/Su	MATH 1010
Select 18 credits from CAD Electives	CCET 2420/25	Plane Surveying & GPS/Lab	2/1	F	MATH 1060
	CCET 2620	3-D Design	3	F	
	CCET 2650	Mechanical Blueprint Reading	2	F	CCET 1010
	CCET 2690	Fundamentals of Manufacturing	3	F	CCET 1030 or 2620 or ENGR 1030
	CCET 3610	Architectural Design	3	F	CCET 1010 & 1040
	CCET 3630	Fundamentals of CATIA	3	F	CCET 1040
	CCET 3650	Residential Drafting	3	S	CCET 1040
	CCET 3680	CNC Design	3	S	CCET 2690 & MATH 1060
	CCET 3690	Advanced Design - Unigraphics NX	3	S	ENGR 1030 & CCET 2620 or 3630
	CM 3240	Estimating & Bidding	3	F	CSIS 1000
	CM 3270	Building Codes & Ethics	3	F	
	CM 3880	Planning & Scheduling	3	S	Advisor needs to override
	CM 4550	Construction Safety Administration	3	F/S	CM 3270
	EET 3760	Electronic Design & Fabrication	3	F	
	GEOG 2900	GPS Theory, Techniques & Methods	2	S	Instructor Permission
	GEOG 3500/05	Introduction to Cartography/Lab	3/1	F-odd	
	GEOG 3550/55	Principles of GIS/Lab	3/1	F	
	GEOG 4150	Advanced GIS Analysis Methods Lab	3	S	GEOG 3550
	GEOG 4500	GIS Research Project	3	F/S	GEOG 4150
GEOG 4920	Geography Workshop	1	F/S	Instructor Permission	
Free Electives to total 63 credits (5-8 credits)					