

Associate of Applied Science in CAD-CAM Technology
—Worksheet with Pre-requisites— 11-12

Course #	Course title	CR	Off'rd	Pre-requisites
CORE *see also GEN ED				
CCET 1010	Engineering Technology Graphics	3		
CCET 4610 (replaces TECH 3000)	Advanced Solid Modeling	3	S	CCET 1040; CCET 2620 or 3630
CCET Emphasis — 18 hours				
CCET 1030	Intro to CAD/CAM 3D Design	3		
CCET 1040	Computer Aided Design	3		
CCET 3670	Civil Design	3	S	CCET 1010, 1040 or permission
CCET 3680	CNC Design	2	F	MATH 1060 recomm.'d
CCET 4600	Engineering Design	3	S	CCET 1010, 1040 (CCET 2620 rec'd)
Math 1060	Trigonometry	3	F/S/M	ACT 23 or C in MATH 1010
Approved CCET courses		12 hrs.		
ENGR 1030	Computer Assisted Drafting	3	F/S	
CCET 2620	3-D Design	3	F	CCET 1040
CCET 2650	Mechanical Blueprint Drawing	2	F	CCET 1010 & Instructor Permission
CCET 3610	Architectural Design	3	F	CCET 1010, 1040
CCET 3630	Fundamentals of CATIA	3	F	CCET 1040 or Instructor Permission
CCET 4690	CNC Software & Applications	3	S	CCET 3680
CM 3650	Residential Drafting	3		
EET 3760	Electronic Design & Fabrication	3		
ENGR 2240/45	Surveying & Global Positioning/lab	2/1	F	MATH 1060 (co: ENGR 2245)
GEOG 2900	GPS Theory, Techniques & Methods	3		
GEOG 2920	Workshop	1-3		
GEOG 3500/3505	Intro to Cartography/lab	3/1	F-odd	Co-reqs
GEOG 3550/3555	Principles of GIS/lab	3/2	F	CSIS 1000, Co-reqs
GEOG 4150	Advanced GIS Analysis Methods Lab	3	S	GEOG 3550
GEOG 4500	GIS Research Project	3	F/S	GEOG 4150
GEOG 4920	Workshop	1-3	F/S	Instructor's permission
Electives		6-7		
GENERAL EDUCATION		<i>AAS students need courses in 3 Knowledge Areas</i>		
ENGL 1010	Intro to Academic Writing – required	3		
MATH 1050	College Algebra – required	4		
LM 1010	Information Literacy – required	1		
UNIV 1000	First-Year Seminar -- required	1		
CSIS 1000		Intro to Computer Apps & Inter -- required		
FINE ARTS:		3		
INTERDISCIPLINARY		3		
HUMANITIES: COMM 1010		Introduction to Communication		
SOCIAL SCIENCE		3		
LIFE SCIENCE		3/4		
PHYS. SCL.: PHYS 2010/15		College Physics I & lab		
		(req for BS) MATH 1060		