

**Associate of Applied Science in CAD-CAM Technology**  
**—Worksheet with Pre-requisites— 2016-17**

Course #	Course title	CR	Off'rd	Pre-requisites
<b>CORE *see also GEN ED</b>				
CCET 1010	Intro to Engineering and Technical Design	3	F/S	
CCET 4610 (TECH 3000)	Advanced Solid Modeling	3	S	CCET 1040 & CCET 2620 or 3630
<b>CCET Emphasis — 18 hours</b>				
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-odd	CCET 1010, 1040
CCET 3680	CNC Design	3	F (S)	MATH 1060 recomm.'d
CCET 4600	Engineering Design	3	S	CCET 1040 & CCET 2620 or 3630
MATH 1060	Trigonometry	3	F/S/Su	ACT 23 or C in MATH 1010
<b>Approved CCET courses</b>		<b>12 hrs.</b>		
ENGR 1030	Computer Assisted Design	3	F/S	
CCET 2620	3-D Design	3	F	CCET 1040
CCET 2650	Mechanical Blueprint Drawing	2	F	CCET 1010
CCET 3610	Architectural Design	3	F	CCET 1010, 1040
CCET 3630	Fundamentals of CATIA	3	F	CCET 1040
CCET 4690	CNC Software & Applications	3	S (F)	CCET 3680
CCET 3650	Residential Drafting	3	S	CCET 3610
EET 3760	Electronic Design & Fabrication	3		
CCET 2240/45	Plane Surveying & Global Positioning/lab	2/1	F	MATH 1060
GEOG 2900	GPS Theory, Techniques & Methods	3	S	
GEOG 2920	Workshop	1-3	F/S	Consent of Instructor
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		
<b>GENERAL EDUCATION</b>				
<b>ENGL 1010</b>	<b>Intro to Academic Writing</b>	3	F/S/Su	
<b>MATH 1050</b>	<b>College Algebra</b>	4	F/S/Su	
<b>LM 1010</b>	<b>Information Literacy</b>	1	F/S/Su	
<b>CSIS 1000</b>	<b>Intro to Computer Apps &amp; Inter</b>	3	F/S/Su	
<b>American Institutions</b>	<b>HIST 1700, ECON 1740 or POLS 1100</b>	3	F/S/Su	
	<b>Only need courses in 2 Knowledge Areas</b>			
FINE ARTS:		3	F/S/Su	
<b>HUMANITIES: HSS 1120</b>	Introduction to Diversity	3	F/S/Su	(required for BS degree)
SOCIAL SCIENCE		3	F/S/Su	
LIFE SCIENCE		3/4	F/S/Su	
<b>PHYS. SCL.: PHYS 2010/15</b>	College Physics I & lab	3/1	F	(req for BS) MATH 1060