

DRAFTING
CIVIL DRAFTING AND DESIGN TECHNOLOGY
 Associate of Applied Science Degree
 Catalog 2009-2010

The Civil Drafting and Design program provides students with a firm technical foundation in drafting, and the option to gain skills in civil, map, and topographical drafting. Related technical courses provide the background, concepts, and skills needed to succeed and advance on the job. General education courses are included in the curriculum in order to give students the concepts necessary to have a better understanding of the society in which they work and live.

Note: A student must earn a grade of "C" or higher in all "DRFT" courses for the courses to count toward a degree.

					Credit Hours	Grade
1st Semester						
___	COSC	125	Business Microcomputer Applications		3	_____
___	DRFT	110*	Technical Drafting I		3	_____
___	DRFT	150*	Computer-Aided Drafting (CAD)		4	_____
___	ENGL	111	Freshman Composition OR			
___	ENGL	118	Technical Composition		3	_____
___	PHYS	111	Introduction to Physics			
					<u>4</u>	_____
				Total	17	
2nd Semester						
___	DRFT	112	Materials and Processes		3	_____
___	DRFT	113	Materials and Processes Lab		2	_____
___	DRFT	115	Technical Drafting II		4	_____
___	DRFT	120	Descriptive Geometry		3	_____
___	MATH	180	Trigonometry		3	_____
___	MATH	185	College Algebra		<u>3</u>	_____
				Total	18	
3rd Semester						
___	DRFT	119	Surveying		4	_____
___	DRFT	201	Investigations In Civil Drafting		1	_____
___	DRFT	210	Technical Drafting III		4	_____
___	DRFT	248	Civil Drafting I		4	_____
___	ENGL	218	Advanced Technical Composition		<u>3</u>	_____
				Total	16	
4th Semester						
___	DRFT	247	Construction Practices and Estimating		4	_____
___	DRFT	255	Statics and Strength of Materials		4	_____
___	SPCH	110	Public Speaking OR			
___	SPCH	111	Interpersonal Communication		3	_____
___	_____	_____	Humanities/Social Science Elective***		3	_____
___	_____	_____	Approved Drafting Elective**		<u>3-4</u>	_____
				Total	17-18	

Total credit hours required for this degree is 68-69

* DRFT 110 and DRFT 150 should be taken in the same semester.

** Approved electives are: COGR 295, DMAD 170, DMAD, 172, DRFT 195, DRFT 225, DRFT 260, DRFT 295, GEOG 120, **OR** GEOG 151.

*** See page 451, Humanities and Social Science Electives, 2009-2010 San Juan College catalog.

DRAFTING
 COMPUTER-ASSISTED DRAFTING (CAD)
 APPROVED ELECTIVES
 Catalog 2009-2010

Two degree options and one certificate option are available for students interested in pursuing a career in drafting: students can obtain a one-year certificate in drafting and/or two year AAS degrees in Civil Drafting and Design and Mechanical Drafting and Design. Civil Drafting and Design Technology provides students with a firm technical foundation in civil drafting, while the Mechanical Drafting and Design program provides a mathematical and scientific foundation for entry-level positions in engineering technology.

Approved Electives**

The following electives will be applicable to either of the programs, unless a selected course is a program requirement.

			Credits
_____	COGR 295	Special Topics	1-4
_____	DMAD 170	Intro to Digital Editing	2
_____	DMAD 172	Digital Editing II	2
_____	DMAD 240	3D Design/Animation	4
_____	DRFT 195	Special Topics	1-4
_____	DRFT 225	Piping Design and Drafting	4
_____	DRFT 248	Civil Drafting I	4
_____	DRFT 260	Advanced AutoCAD	4
_____	DRFT 295	Special Topics	1-4
_____	GEOG 120	GPS and Surveying Methods	4
_____	GEOG 151	Geographic Information System I	4

Option: DRFT 280: Cooperative Education, 1-12 credits may be substituted for course work during the third and fourth semesters with the approval of the dean.