

DRAFTING
 Civil Drafting and Design
 Associate of Applied Science Degree
 Catalog 2010-2011

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	_____
___	COMM	110	Public Speaking OR			
___	COMM	111	Interpersonal Communication		3	_____
___	_____	_____	Humanities and 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 37, Humanities and Social Science Electives, 2010-2011 San Juan College catalog.

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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**	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 260 Advanced AutoCAD	4
_____ DRFT 295 Special Topics	1-4
_____ GEOG 120 GPS and Surveying Methods OR	
_____ GEOG 151 Geographic Information System I	4