

DRAFTING  
 CIVIL DRAFTING AND DESIGN TECHNOLOGY  
 ASSOCIATE OF APPLIED SCIENCE DEGREE  
 Catalog 2008-2009

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
<b>1st Semester</b>						
___	COSC	125	Business Microcomputer Applications		3	_____
___	DRFT	110*	Technical Drafting I		3	_____
___	DRFT	150*	Computer-Aided Drafting (CAD)		4	_____
___	ENGL	111	Freshman Composition <b>OR</b>			
___	ENGL	118	Technical Composition		3	_____
___	PHYS	111	Introduction to Physics			
					<u>4</u>	_____
				Total	17	
<b>2<sup>nd</sup> Semester</b>						
___	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	
<b>3<sup>rd</sup> Semester</b>						
___	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	
<b>4<sup>th</sup> Semester</b>						
___	DRFT	247	Construction Practices and Estimating		4	_____
___	DRFT	255	Statics and Strength of Materials		4	_____
___	SPCH	110	Public Speaking <b>OR</b>			
___	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 160, COGR 165, DRFT 225, DRFT 248, DRFT 260, DRFT 295, GIST 120, **OR** GIST 151.

\*\*\* See page 51, Humanities and Social Science Electives, 2008-2009 San Juan College catalog.

DRAFTING  
COMPUTER-ASSISTED DRAFTING (CAD)  
APPROVED ELECTIVES  
Catalog 2008-2009

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.

___	COGR 160	Computer Graphics I	4 credits
___	COGR 165	Computer Graphics II	4 credits
___	DRFT 225	Piping Design and Drafting	4 credits
___	DRFT 248	Civil Drafting I	4 credits
___	DRFT 260	Advanced AutoCAD	4 credits
___	DRFT 295	Special Topics	1-4 credits
___	GIST 120	GPS and Surveying Methods	4
___	GIST 151	GIS 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.