

DRAFTING
CIVIL DRAFTING AND DESIGN TECHNOLOGY
ASSOCIATE OF APPLIED SCIENCE
Catalog 2005-2007

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	4	_____
					Total 17 credits
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	3	_____
					Total 18 credits
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	3	_____
					Total 16 credits
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**	4	_____
					Total 18 credits

Total credit hours required for this degree is 69

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

**Approved electives are: COGR 160, COGR 165, DRFT 195, DRFT 220, DRFT 225, DRFT 260, DRFT 295, GIST 120, OR GIST 150

DRAFTING
COMPUTER-ASSISTED DRAFTING (CAD)
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Two options are available for students interested in pursuing a career in computer-assisted drafting: Civil Drafting and Design Technology, and Mechanical Drafting and Design Engineering Technology (TAC/ABET). Civil Drafting and Design Technology provides students with a firm technical foundation in civil drafting, while the Mechanical Drafting and Design Engineering Technology 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	195	Special Topics	1-4 credits
___	DRFT	220	Electronics Drafting	(3+2P) 4 credits
___	DRFT	225	Piping Design and Drafting	(3+2P) 4 credits
___	DRFT	248	Civil Drafting I	(3+2P) 4 credits
___	DRFT	260	Advanced AutoCAD	(3+2P) 4 credits
___	DRFT	295	Special Topics	1-4 credits

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.