

## DRAFTING

### Associate of Applied Science Degree Mechanical Drafting and Design

The Mechanical Drafting and Design degree program is intended to provide the students with a firm mathematical and scientific foundation on which to build a high degree of technological expertise in manufacturing and engineering technology. These are skills associated with mechanical related positions in industry, engineering technology, and with the government. Further, a strong background in general education courses is provided to enhance the student's understanding of society and to make progress in his/her field of choice more accessible.

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

<b>1st Semester</b>			<b>Credits</b>
COSC	118	Computer Programming Fundamentals with C++	3
DRFT	110*	Technical Drafting I	3
DRFT	150*	Computer-Aided Drafting (CAD)	4
ENGL	111	Freshman Composition OR	
ENGL	118	Technical Composition	3
		Lab Science Elective	4
Total			17
<b>2nd 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	3
Total			18
<b>3rd Semester</b>			
DRFT	210	Technical Drafting III	4
MATH	188	Calculus I	4
PHYS	211	General Physics I	3
PHYS	211L	General Physics I Lab	1
		Humanities/Social Science Elective	3
		Approved Drafting Elective **	3-4
Total			18-19
<b>4th Semester</b>			
DRFT	255	Statics and Strength of Materials	4
DRFT	260	Advanced AutoCAD	4
ENGL	218	Advanced Technical Composition	3
SPCH	110	Public Speaking OR	
SPCH	111	Interpersonal Communication	3
		Approved Drafting Elective**	3-4
Total			17-18
<b>Total Credits 70-72</b>			

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

\*\* Approved electives are: COGR 295, DMAD 170, DMAD 172, DMAD 240, DRFT 195, DRFT 225, DRFT 248, DRFT 295 GIST 120, or GIST 151