



TECHNOLOGY DIVISION

# ENGINEERING DESIGN & DRAFTING

ASSOCIATE OF SCIENCE DEGREE

This major curriculum leads to the Associate of Science Degree in Engineering Design Drafting for advanced Tech Prep applications, employment in design, engineering and manufacturing related industries, public works, utilities and CAD/Drafting related industries. Upon completion of specific General Education courses, this program also fulfills many of the requirements and foundation courses for transfer to other Baccalaureate technical majors within Engineering and Industrial Technology but is not intended to fulfill transfer requirements for a Baccalaureate degree. (See transfer requirements of individual colleges and universities)

To acquire the Associate of Science Degree in Engineering Design Drafting, it is necessary to complete the graduation requirements of the college, along with the following:

Required Courses		Units	N	IP	C
<b>DRAF 101</b>	Introduction to Technical Drawing & Graphics	3			
<b>DRAF 105</b>	Architectural & Technical Freehand Sketching	2			
<b>DRAF 122</b>	Engineering Design Graphics	4			
<b>DRAF 131</b>	*Engineering & Manufacturing Applications of Technical Drawing	4			
<b>DRAF 150</b>	AutoCAD for Basic CADD Applications	4			
<b>DRAF 170</b>	Microstation for Basic CADD Applications	4			
Or					
<b>DRAF 270</b>	*Solid Works for 3D Modeling and Prototype Applications				
<b>DRAF 200</b>	*Intermediate AutoCAD for Design & Production	3			
<b>DRAF 231</b>	*Technical Product Design & Presentation	4			
<b>DRAF 250</b>	*Parametric Modeling 3D Applications for Mechanical Design	4			
<b>ARCH 115</b>	*Introduction to Residential Architecture: Drawing & Design	4			
<b>Total major units needed for Associate of Science</b>		<b>36</b>			
Units Completed					
* Prerequisite					

NOTE1: Courses are not necessarily listed in order of enrollment, see prerequisites.

NOTE2: Students interested in transferring as Engineering and Industrial Technology majors should consult with a counselor for appropriate general education & major preparation counseling.