

COMPUTER AIDED DRAFTING (CODE CTA 35865)

Delta College – Advanced Certificate
2009 – 2010 Catalog

As a computer drafter, you will make detailed manual or computer drawings of products and machinery from sketches and specifications conceived by engineers and designers. The finished drawings are used as working plans for engineering and manufacturing purposes. Depending on experience and level of responsibility, duties may vary from preparing basic drawings to modifying the finished design using computer aided design equipment.

In order to enter this area of work, you should be able to: work within precise limits or standards of accuracy, concentrate for long periods of time, visualize 3-dimensional objects from drawings or pictures, see detail in objects or drawings, and recognize slight differences in shapes and shadings. Computer skills are a requirement.

Many courses have prerequisites. See course descriptions in current catalog or on website at <http://www.delta.edu/catalog/courses.asp>

Required Courses

	<u>Dept/Cat #</u>	<u>Course Title</u>	<u>Sem/Cr Hrs</u>
___	*\$ CAD 114	Introduction to CAD	2
___	*\$ CAD 120	Introduction to CAM	3
___	*\$ CAD 214	CAD Techniques	3
___	*\$ CAD 226	3D Parametric Solid Modeling	3
___	* CNC 162	Computer Numerical Control Theory	4
___	* DRF 104	Basic Mechanical Design OR	
OR			
___	* DRF 105	Beginning Mechanical Drafting	4/3
___	* DRF 107	Intermediate Mechanical Design	3
___	* DRF 128	Geometric Tolerancing	2
___	* MIT 111W	Manufacturing Processes	3
___	* MS 113	Machining Processes	2
___	* MTH ___	Any Approved Intermediate Algebra Course OR	
OR			
___	* MT 110	Machine Tool Calculations	4
___	* CED 280BW	Cooperative Education: Design Technology	1
TOTAL CREDITS REQUIRED FOR CERTIFICATE			33 / 34

NOTATIONS

- * A "C" (2.0) minimum grade is required in each asterisked course.
 - \$ Key Course: Key courses must be completed within 5 years of completing certificate or degree. Failure to complete within the stated time frame will require you to repeat this course. See graduation requirements in the current catalog.
1. File an application for an associate or dual degree and/or certificate with the Registrar's Office at least three months before the end of your final semester of course work. See current catalog for other graduation requirements.
 2. Delta College reserves the right to modify curriculum requirements.