



Advanced Technologies

Mechanical Drafting Technical Certificate

EXPECTED CERTIFICATE HOURS

21

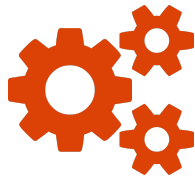
WHAT IS MECHANICAL DRAFTING TECHNICAL CERTIFICATE?

Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical, or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers. Drafters typically need specialized training, which can be accomplished through a technical program that leads to a certificate or an associate's degree in drafting.

Mechanical drafters prepare layouts that show the details for a wide variety of machinery and mechanical tools and devices, such as medical equipment. These layouts indicate dimensions, fastening methods, and other requirements needed for assembly. Mechanical drafters sometimes create production molds. Many drafters are referred to as CAD operators. Using CAD systems, drafters create and store technical drawings digitally. These drawings contain information on how to build a structure or machine, the dimensions of the project, and what materials are needed to complete the project.

PROGRAM SCHEDULE

Fall Semester Courses			Fall Semester Milestones
Num.	Title	Hrs.	<ul style="list-style-type: none">FINANCIAL AID ALERT-If you plan to receive aid, the priority deadline to apply or renew your FAFSA and submit any requested documentation is July 1. Please consult a financial aid specialist and the business office prior to the start of classes to check on fees/expenses and to ensure that you are in good standing.Work with your advisor to discuss Spring registration when
ENST 1300	Technical Calculations	3	
ENST 1311	Computer Aided Design I	3	



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ENST 1314	Engineering Graphics	3	<p>contacted. Remember, advising is key to success!</p> <ul style="list-style-type: none">• Apply for Graduation for your completion of this certificate.
ENST 1320	Solidworks I	3	

Spring Semester Courses			Spring Semester Milestones
Num.	Title	Hrs.	<ul style="list-style-type: none">• FINANCIAL AID ALERT-Please consult a financial aid specialist and the business office prior to the start of classes to check on fees/expenses and to ensure that you are in good standing. If this is your first term of enrollment and you plan to receive aid, the priority deadline to apply or renew your FAFSA and submit any requested documentation is December 1.• Congratulations! After you complete this semester's courses and maintain an overall 2.0 GPA, you will complete your one year certificate. Apply to graduate with your certificate by completing the online Intent to Graduate form under the Graduation Tab within Registration Tools & Forms on Cougarnet.• Work with your advisor to discuss continuing on to complete your A.A.S. Degree!
ENST 1312	Computer Aided Design II	3	
ENST 1350	Industrial Safety	3	
ENST 2390	Capstone	3	