PROGRAM OF STUDY
Engineering and Building Arts Department
Computer-Aided Design & Drafting Certificate with Financial Aid Eligibility
CAD-CT

Effective Catalog Term: Spring 2020 (0570) through Present (CIP# 0615130304)

The requirements below may not reflect degree requirements for continuing students. Continuing students should visit My SPC and view My Learning Plan to see specific degree requirements for their effective Catalog term.

Program Leadership Information
Lara Sharp, Program Director
(727) 398-8256

Program Summary
This certificate provides a program of study with courses in CAD (computer aided drafting) and solid modeling needed to assist the engineering and drafting activities of industry, construction, architecture, and consultants in planning, designing, and detailing projects. Rapid Prototyping techniques, like 3D printing, woodworking, casting and molding, are taught throughout the solid modeling courses. This CAD Certificate is part of the Digital Design and Modeling Subplan of the 60-credit hour Associate in Science degree in Engineering Technology. Some of these courses can also be taken as electives in the Building Design and Construction Management AS degree program. Students new to this field will be able to obtain employment by completing this certificate and work in those areas where CAD technicians, drafters, and designers are needed.

The Academic Pathway is a tool for students that lists the following items:
• the recommended order in which to take the program courses
• suggested course when more than one option exists
• which semester each course is typically offered
• if the course has a prerequisite
• courses that may lead to a certificate (if offered in the program)

If you are starting the program this term, click here to access the recommended Academic Pathway.

If you have already started the program, click here for the archived Academic Pathways.

Please verify the Academic Pathway lists your correct starting semester.

Job-Related Opportunities
• CAD Designer
• CAD Technician
• Design Technician
• Detailer
• Engineering Aide
• Drafter

Graduation Requirements
All courses need to be completed with a minimum of a "C".

MAJOR CORE COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ETD 1320 C</td>
<td>3</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>ETD 1340 C</td>
<td>AutoCAD II</td>
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<tr>
<td>ETD 1350 C</td>
<td>AutoCAD Inventor (3D modeling)</td>
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<td>or</td>
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<tr>
<td>ETD 1390 C</td>
<td>Introduction to Architectural Revit</td>
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<tr>
<td>ETD 2364 C</td>
<td>Introduction to SolidWorks</td>
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<td>ETD 2368 C</td>
<td>Advanced Solidworks</td>
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<tr>
<td>ETD 2369 C</td>
<td>SolidWorks Applications</td>
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<td>Select any two (2) additional ETD related course</td>
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**Total Credits** 24