PROGRAM OF STUDY
Engineering and Building Arts Department
Rapid Prototyping and Design Certificate without Financial Aid Eligibility
RAPID-CT
Effective Catalog Term: Fall 2015 (0505) through Present (CIP# 0615000012)
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 solid modeling, using SolidWorks. By completing this certificate, the students will provide the technical expertise for the engineering activities of industry in planning, designing, and detailing for Rapid Prototyping. This certificate utilizes the 3-D printers and CNC machines for the solid modeling design process and development of the final product. These courses are also applied to the 60-credit hour Associate in Science Degree in Engineering Technology. Students new to this field will be able to obtain employment by completing this certificate and work in those areas where Rapid Prototyping is used.

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
• Rapid Prototype designer

Graduation Requirements
The student must complete the listed courses, required for the RAPID-CT certificate.

MAJOR CORE COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ETD 2364 C</td>
<td>Introduction to SolidWorks</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2368 C</td>
<td>Advanced Solidworks</td>
<td>3</td>
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<tr>
<td>or</td>
<td>SolidWorks Applications</td>
<td>3</td>
</tr>
<tr>
<td>ETD 2369 C</td>
<td>SolidWorks Applications</td>
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<tr>
<td>ETD 2371 C</td>
<td>Rapid Prototyping Model Design and Fabrication</td>
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</tr>
<tr>
<td>ETD 2382 C</td>
<td>Solidworks Simulation Design Analysis</td>
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<td><strong>Total Credits</strong></td>
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