The North Carolina Career and College Promise at Cape Fear Community College

College Pathway: Mechanical Engineering Technology

The Mechanical Engineering Technology curriculum prepares graduates for employment as technicians in the diversified mechanical and manufacturing engineering fields. Mechanical Engineering technicians assist in design, development, testing, process design and improvement, and troubleshooting and repair of engineered systems. Emphasis is placed on the integration of theory and hands-on application of engineering principles. In addition to course work in engineering graphics, engineering fundamentals, materials and manufacturing processes, mathematics, and physics, students will study computer applications, critical thinking, planning and problem solving, and oral and written communications.

Admission & Enrollment Requirements
Mechanical Engineering Tech Pathway

To be eligible for enrollment in this program, you must meet the following criteria:

1. Be a high school junior or senior;
2. Have a weighted GPA of 3.0 on high school courses or your principal’s approval;
3. Meet the following Placement Testing Requirements:
   - 7 on DMA 010 through 030.

PSAT/PLAN/ACT/SAT/Accuplacer scores may also be used.

You must maintain a 2.0 GPA in your college courses (after taking at least two courses).

Interested?
If you meet these qualifications, submit your completed application along with the latest version of your high school transcripts to CFCC. For more information, please see your school counselor and visit our website: www.cfcc.edu/ccp.

Course Requirements
Mechanical Engineering Tech Pathway

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT 151 CAD I</td>
<td>3</td>
</tr>
<tr>
<td>DFT 154 Intro Solid Modeling</td>
<td>3</td>
</tr>
<tr>
<td>HYD 110 Hydraulics/Pneumatics I</td>
<td>3</td>
</tr>
<tr>
<td>MEC 145 Mfg Materials I</td>
<td>3</td>
</tr>
<tr>
<td>DFT 152 CAD II</td>
<td>3</td>
</tr>
<tr>
<td>DFT 111 Technical Drafting I</td>
<td>2</td>
</tr>
<tr>
<td>DRT 111A Technical Drafting I Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credit Hours.................................18

Class Locations
All courses are offered at CFCC or online.

To find a specific course offering, search for classes online by selecting the “Search for Classes” option on the CFCC website: www.cfcc.edu.

Registration Process
Accepted students may register for classes during New Student Orientation or through Web Advisor.