**Career Cluster: STEM**  
**Career Cluster: Technology**

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES</th>
<th>OTHER REQUIRED COURSES</th>
<th>CAREER AND TECHNICAL EDUCATION COURSES</th>
<th>RECOMMENDED ELECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 credits</td>
<td>4 credits</td>
<td>3 credits, 2 with lab</td>
<td>3 credits</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16 CORE CURRICULUM CREDITS  
8 ADDITIONAL CREDITS

**Eligible Recipient:** Pinellas County Schools

**Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.**

**HIGH SCHOOL**

<table>
<thead>
<tr>
<th>Year</th>
<th>English</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies</th>
<th>Other Required Courses</th>
<th>Career and Technical Education Courses</th>
<th>Recommended Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>English 1 or H</td>
<td>Algebra 1 or H, Geometry or H</td>
<td>Earth/Space Science or Biology 1 or H</td>
<td>American Government or H</td>
<td>Fine Arts Elective</td>
<td>Materials &amp; Processes Technology I</td>
<td>Foreign Language</td>
</tr>
<tr>
<td>10</td>
<td>English 2 or H</td>
<td>Geometry or H, Algebra 2 or H</td>
<td>Biology 1 or H; or Chemistry, H or AP</td>
<td>World History, H or AP</td>
<td>H.O.P.E</td>
<td>Materials &amp; Processes Technology II</td>
<td>Foreign Language</td>
</tr>
<tr>
<td>11</td>
<td>English 3 or H</td>
<td>3rd Math Credit</td>
<td>3rd Science Credit</td>
<td>American History, H or AP</td>
<td>Elective</td>
<td>Materials &amp; Processes Technology III</td>
<td>Elective</td>
</tr>
<tr>
<td>12</td>
<td>English 4, H, or AP</td>
<td>4th Math Credit</td>
<td>4th Science Credit</td>
<td>Economics or H</td>
<td>Elective</td>
<td>Advanced Applications in Technology</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee’s Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

**POSTSECONDARY**

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

**TECHNICAL CENTER PROGRAM(S)**

**COMMUNITY COLLEGE PROGRAM(S)**

**UNIVERSITY PROGRAM(S)**

Engineering

**Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)**

**CAREER**

Engineer

Engineer

**CREDIT**

Secondary to Technical Center (PSAV)  
(Minimum # of clock hours awarded)

Secondary to College Credit Certificate or Degree  
(Minimum # of clock or credit hours awarded)

PSAV/PSV to AAS or AS/BS/BAS  
(Statewide and other local agreements may be included here)

*Possible Industry Certifications (Students):*

Secondary: N/A  
Postsecondary: N/A