**Career Cluster: Information Technology**

**CTE Program: Game/Simulation/Animation Programming**

**Career Cluster Pathway: Programming & Software Development**

**Eligible Recipient: Pinellas County Schools Students**

<table>
<thead>
<tr>
<th>16 CORE CURRICULUM CREDITS</th>
<th>8 ADDITIONAL CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGLISH</strong></td>
<td><strong>MATH</strong></td>
</tr>
<tr>
<td>4 credits</td>
<td>4 credits</td>
</tr>
</tbody>
</table>

**Other Required Courses**
- **FINE ARTS** (1 cdt)
- **PHYSICAL EDUCATION** (1 cdt)

**Career and Technical Education Courses**
- Introduction to Information Tech. (IIT satisfies Fine Arts credit requirement)
- Foreign Language

**Recommended Electives**
- Multi-User Game & Simulation Programming

**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>Elective</td>
<td>Introduction to Information Tech. (IIT satisfies Fine Arts credit requirement)</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>Game &amp; Simulations Foundations</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>Game &amp; Simulation Design</td>
<td>Multi-User Game &amp; Simulation Programming</td>
</tr>
<tr>
<td>12</td>
<td>English 4, H, or AP</td>
<td>4th Math Credit</td>
<td>Elective</td>
<td>Economics or H</td>
<td>Elective</td>
<td>Game &amp; Simulation Programming</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.**

**Technical Center Program(S)**
**Community College Program(S)**
**University Program(S)**

**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.
| CAREER  | Sample Career Specialties  
(The Targeted Occupations List may be used to identify appropriate careers.) |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td></td>
<td>TECHNICAL CENTER</td>
</tr>
<tr>
<td>CREDIT</td>
<td>Articulation and CTE Dual Enrollment Opportunities</td>
</tr>
</tbody>
</table>
|         | 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:**  
Adobe Certified Associate (Flash)  
Sun Certified Java Associate  
Sun Certified Java Programmer  

**Postsecondary:**