Career Cluster: Architecture & Construction

Career Cluster Pathway: Design Pre/Construction

**CTE Program:** Secondary: Design Academy – Drafting strand (8725000)
Bartram Trail High School, St. Johns County School District

Postsecondary: Florida State College at Jacksonville: Drafting (PSAV-C100200),
Architectural Design & Construction Technology (AS - 1604090100) AutoCAD Foundations
(A.S. 0615130204), Geospatial Information Systems Technology (PSAV-T860020), Building
Construction Technology (A.S. 1615100102)

**Industry Certification, Secondary:** Autodesk Certified User-AutoCad (ADESK002)
and Autodesk Certified Professional-Revit (ADESK008)

**Postsecondary:** Florida State College at Jacksonville: Autodesk Cert. Professional – REVIT
(ADESK025), Autodesk Certified Professional – AutoCAD (ADESK021)

#### 16 CORE CURRICULUM CREDITS

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES</th>
<th>OTHER REQUIRED COURSES</th>
<th>PHYSICAL EDUCATION</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>FINE ARTS (1 credit)</td>
<td>(1 credit)</td>
<td>DRAFTING 1 Honors-8725010</td>
<td>(ALIGNED WITH COMMUNITY COLLEGE &amp; STATE UNIVERSITY SYSTEM PROGRAMS)</td>
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#### 8 ADDITIONAL CREDITS

- High School

  - Students are encouraged to use mycareershines.org to explore careers and postsecondary options.
  - Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.
  - One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program

#### POSTSECONDARY

Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

- **FL State College at Jacksonville:** Drafting – 10 month certificate program
- **Seminole State College, Sanford:** Computer-Aided Design Technical Certificate – 10 month program
- **Valencia College, Orlando:** Civil/Surveying Engineering Technology Associate A.S.
- **Daytona State College, Daytona Beach:** AutoCAD Foundations A.S.
- **University of North Florida, Jacksonville:** Building Construction, Mechanical Engineering
- **University of N. FL, Jacksonville:** Civil, Electrical, Mechanical
- **University of FL, Gainesville:** Engineering – Civil, Environmental, Mechanical, Architectural
- **University of Central FL, Orlando:** Engineering – Civil, Environmental, Electrical, Mechanical, Aerospace

#### CREDIT Articulation and CTE Dual Enrollment Opportunities

- Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded)
- Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)
- FSCJ: 3 credits immediately awarded upon enrollment for AutoCAD certification – Architectural Design & Construction Tech major, Course COS2470, ETD 2395
- No articulation agreement
- No CTE Dual Enrollment

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**Career and Technical Student Association**

SkillsUSA
<table>
<thead>
<tr>
<th>Internship/Work Experience Recommendations</th>
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<tbody>
<tr>
<td>Career Academy students may apply for summer internships after their junior year. Sample internship is drafting assistant.</td>
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</table>

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<tr>
<th>Program of Study Graduation Requirements:</th>
<th><a href="http://www.fldoe.org/academics/graduation-requirements">http://www.fldoe.org/academics/graduation-requirements</a></th>
</tr>
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