**Career Cluster:** Information Technology

**Career Cluster Pathway:** Information Support & Services

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**CTE Program: Secondary: Information Technology Academy** - Integrated Information Technology (9003500)

**Bartram Trail High School,** St. Johns County School District: Postsecondary: St. Johns River State College: St. Augustine: Internet Services Technology-(A.S. 1511080102), Web Development Specialist (CCC 0511080103), Computer Network Engineering Technology-(A.S. 151100111); Network Security (CCC 0511100118); Information Technology Support Specialist (CCC 0511010311)

**Industry Certifications: Secondary:** Adobe Dreamweaver (ADOBE010), MTA Windows OS Fundamentals (MICRO076), MTA Windows Server Admin Fundamentals (MICRO075), MTA Database OS Fundamentals (MICRO070), MTA Web Development Fundamentals (MICRO072), MTA Intro to Programming, MTA Intro to Programming using Java, MTA Intro to Programming using JavaScript

**Postsecondary- St. Johns River State College:** CompTIA Network + (COMPTIA006), CompTIA A+ (COMPT001), CompTIA Security + (COMPT008)

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### Technical Center Program(S)

<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>
</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>PHYSICAL EDUCATION (1 credit)</td>
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</tbody>
</table>

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**16 CORE CURRICULUM CREDITS**

**8 ADDITIONAL CREDITS**

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- 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.

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**HIGH SCHOOL**

<table>
<thead>
<tr>
<th>Grade</th>
<th>English 1 or English 1 Honors</th>
<th>Algebra 1 or Algebra 1 Honors</th>
<th>Environmental Science, Physical Science Honors or Biology Honors</th>
<th>AP Human Geography or World Cultural Geography</th>
<th>HOPE – Health Opportunities through Physical Education</th>
<th>IT Principles (Honors)</th>
</tr>
</thead>
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<tr>
<td>9th</td>
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<td>9003540</td>
</tr>
</tbody>
</table>

**TECHNICAL CENTER PROGRAM(S)**

**COMMUNITY COLLEGE PROGRAM(S)**

**UNIVERSITY PROGRAM(S)**

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**POSTSECONDARY**

- St. Johns River State College, St. Augustine: IT Help Desk, Network Support Technician, Cyber Security Technician, Web Designer, Digital Media Specialist
- Florida State College of Jacksonville: Networking Systems Technology, Computer Information Technology, Criminal Justice Technology
- Valencia State College, Orlando: Cyber Security, Advanced Network Infrastructure, Advanced Network Administration, Digital Forensics, Network Administration, Infrastructure & Support
- University of North Florida, Jacksonville – Computer Science, Information Science, Information Technology
- Flagler College, St. Augustine: Graphic Design, Communication and Media
- University of Florida, Gainesville: Info. Systems
- FL State University, Tallahassee: Information Technology, Digital Media Production, Information, Communication & Technology

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**Sample Career Specialties – Careers from the Targeted Occupations List are in bold.**

**CAREER**

- Cyber Security Technician, Network Support Technician, Network Infrastructure Technician, IT Help Desk Specialist
- Network Administrator, Cyber Security Technician, Network Support Technician, Network Infrastructure Technician, IT Help Desk Specialist, Web Designer, Computer Programmer, Database Administrator

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**Articulation and CTE Dual Enrollment Opportunities**

**Secondary to Technical Center (PSAV)**

<table>
<thead>
<tr>
<th>CREDIT</th>
<th>Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded)</th>
<th>Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)</th>
<th>PSAV/PSV to AAS or AS/SS/BAS (Statewide and other local agreements included here)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>St. Johns River State College: Networking Services – CompTIA Network ++ = CNT 2500 – Network Fundamentals, 3 credits; Computer Information Technology &amp; Computer Engineering, CompTIA A+ = CET 1179C – Computer Hardware Support Essentials &amp; CET 2179C-Computer Software Support Essentials, 6 credits; CompTIA Network ++ = CET 1600C Network Fundamentals, 3 credits; Internet Services Technology – Adobe Flash = CGS 2871 Multimedia, 3 credits; Adobe Dreamweaver = CGS</td>
<td>No CTE articulation agreement, No CTE Dual Enrollment.</td>
<td>No CTE articulation agreement, No CTE Dual Enrollment.</td>
</tr>
</tbody>
</table>
Career and Technical Student Association

DECA

Internship/Work Experience Recommendations

Career Academy students may apply for summer internships after their junior year. Sample internships: Networking Technician Assistant, Web Developer, Database Clerk, Programmer Assistant, Computer Software/hardware Technician

Program of Study Graduation Requirements: [http://www.fldoe.org/academics/graduation-requirements](http://www.fldoe.org/academics/graduation-requirements)