Information Technology
Perryville CTC Career Cluster Program of Study

This Program of Study Template can serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. **Ask your high school counselor to help you fill in the required courses you need to graduate.**

<table>
<thead>
<tr>
<th>Grade</th>
<th>English 8 semesters</th>
<th>Math 6 semesters</th>
<th>Science 6 semesters</th>
<th>Social Studies 6 semesters</th>
<th>Other Required Courses, Recommended Electives</th>
<th>Career &amp; Technical Courses and/or Degree Major Courses</th>
<th>SAMPLE Occupations Relating to this Pathway</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Comm Arts III</td>
<td>Pre-College Algebra or high school math course</td>
<td>High School Science</td>
<td>High School S.S. Course - History &amp; Government</td>
<td>*Personal Finance *Computer Science *Computer Science Electives</td>
<td>*See your high school counselor for College Course options</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*English Comp I</td>
<td>*Public Speaking</td>
<td>*Online College Science Course</td>
<td>*College History I &amp; II *College Political Systems</td>
<td>*See your high school counselor for College Course options</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*College Algebra</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*College Trig</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Senior Comm Arts &amp; Comm Arts elective</td>
<td>Pre-College Algebra or high school math course</td>
<td>High School Science</td>
<td>High School S.S. Course - History &amp; Government</td>
<td>*Personal Finance *Computer Science *Computer Science Electives</td>
<td>*See your high school counselor for College Course options</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*English Comp II</td>
<td>*Intro to Literature</td>
<td>*Online College Science Course</td>
<td>*College History I &amp; II *College Political Systems</td>
<td>*See your high school counselor for College Course options</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*College Algebra</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*College Trig</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*+Dual Credit or Dual Enrollment College courses can often be substituted for high school credit. Check with your Counselor.

Assessments/Certifications: College Placement Assessments, Compass, ACT, SAT

Clubs/Extracurricular Activities: Ask your Counselor what is available at your school.

Work-Based Learning: □ After School Employment □ Internship/Mentorship □ Job Shadowing □ Service Learning

---

**Network Systems**

- Account Manager
- Analyst
- Application Integrator
- Architect
- Application Integrator
- Architect
- Business Continuity Analyst
- Call Center Support Representative
- Content Manager
- Cross-Enterprise Integrator
- Database Administrator
- Desktop Publisher
- Developer
- Document Specialist
- Documentation Specialist
- DSS (Decision Support Services)
- E-Business Specialist
- Editor
- Electronic Publications Specialist
- Electronic Transactions Implementer
- Help Desk Specialist
- Instructional Designer
- Integrator
- Knowledge Architect
- Liaison
- Maintenance Technician
- Management Associate
- Manager
- Modeling Specialist
- Online Publisher
- PC Support Specialist
- PC Systems Coordinator
- Planner
- Product Support Engineer
- Publications Manager
- Publisher
- Sales Support Technician
- Security Expert
- Service Professional
- Service Representative
- Support Engineer
- Support Representative
- Systems Analyst
- Systems Designer
- Technical Communicator
- Technician
- Testing Engineer
- Warehouse Designer
- Writer

---

**Information Support and Services**

- Account Manager
- Analyst
- Application Integrator
- Architect
- Application Integrator
- Architect
- Business Continuity Analyst
- Call Center Support Representative
- Content Manager
- Cross-Enterprise Integrator
- Database Administrator
- Desktop Publisher
- Developer
- Document Specialist
- Documentation Specialist
- DSS (Decision Support Services)
- E-Business Specialist
- Editor
- Electronic Publications Specialist
- Electronic Transactions Implementer
- Help Desk Specialist
- Instructional Designer
- Integrator
- Knowledge Architect
- Liaison
- Maintenance Technician
- Management Associate
- Manager
- Modeling Specialist
- Online Publisher
- PC Support Specialist
- PC Systems Coordinator
- Planner
- Product Support Engineer
- Publications Manager
- Publisher
- Sales Support Technician
- Security Expert
- Service Professional
- Service Representative
- Support Engineer
- Support Representative
- Systems Analyst
- Systems Designer
- Technical Communicator
- Technician
- Testing Engineer
- Warehouse Designer
- Writer

---

**Web and Digital Communications**

- Account Manager
- Analyst
- Application Integrator
- Architect
- Application Integrator
- Architect
- Business Continuity Analyst
- Call Center Support Representative
- Content Manager
- Cross-Enterprise Integrator
- Database Administrator
- Desktop Publisher
- Developer
- Document Specialist
- Documentation Specialist
- DSS (Decision Support Services)
- E-Business Specialist
- Editor
- Electronic Publications Specialist
- Electronic Transactions Implementer
- Help Desk Specialist
- Instructional Designer
- Integrator
- Knowledge Architect
- Liaison
- Maintenance Technician
- Management Associate
- Manager
- Modeling Specialist
- Online Publisher
- PC Support Specialist
- PC Systems Coordinator
- Planner
- Product Support Engineer
- Publications Manager
- Publisher
- Sales Support Technician
- Security Expert
- Service Professional
- Service Representative
- Support Engineer
- Support Representative
- Systems Analyst
- Systems Designer
- Technical Communicator
- Technician
- Testing Engineer
- Warehouse Designer
- Writer

---

**Programming and Software Development**

- Account Manager
- Analyst
- Application Integrator
- Architect
- Application Integrator
- Architect
- Business Continuity Analyst
- Call Center Support Representative
- Content Manager
- Cross-Enterprise Integrator
- Database Administrator
- Desktop Publisher
- Developer
- Document Specialist
- Documentation Specialist
- DSS (Decision Support Services)
- E-Business Specialist
- Editor
- Electronic Publications Specialist
- Electronic Transactions Implementer
- Help Desk Specialist
- Instructional Designer
- Integrator
- Knowledge Architect
- Liaison
- Maintenance Technician
- Management Associate
- Manager
- Modeling Specialist
- Online Publisher
- PC Support Specialist
- PC Systems Coordinator
- Planner
- Product Support Engineer
- Publications Manager
- Publisher
- Sales Support Technician
- Security Expert
- Service Professional
- Service Representative
- Support Engineer
- Support Representative
- Systems Analyst
- Systems Designer
- Technical Communicator
- Technician
- Testing Engineer
- Warehouse Designer
- Writer

---

**Cluster Knowledge and Skills**

- Academic Foundations
- Communications
- Problem Solving and Critical Thinking
- Information Technology Applications
- Systems
- Safety, Health, and Environmental
- Leadership and Teamwork
- Ethics and Legal Responsibilities
- Employability and Career Development
- Technical Skills

Revised July 2009 www.careerclusters.org