Information Technology
North County High School 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>
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<tbody>
<tr>
<td>11</td>
<td>Comm Arts III</td>
<td>Pre-College Algebra or high school math course</td>
<td>High School Science *College Biology</td>
<td>High School S.S. Course – History &amp; Government *College History I &amp; II *College Political Systems</td>
<td>*Personal Finance *Microapps *Computer Science Electives (Available for Dual Enrollment)</td>
<td>*Unitec – Computer networking classes *MAC Computer Networking Classes (Available for Dual Enrollment)</td>
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<tr>
<td>12</td>
<td>Senior Comm Arts &amp; Comm Arts elective</td>
<td>Pre-College Algebra or high school math</td>
<td>High School Science *MFH College Intro to Chem –</td>
<td>High School S.S. Course – History &amp; Government *College History I &amp; II *College Political Systems</td>
<td>*Personal Finance *Microapps *Computer Science Electives (Available for Dual Enrollment)</td>
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*Dual Credit courses can often be substituted for high school credit. Check with your Counselor.

*Dual Enrollment courses can be taken on a MAC campus or online.

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

**Paths**

| Network Systems | Information Support and Services | Web and Digital Communications | Programming and Software Development |

**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

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www.careerclusters.org