Cluster: Health & Medical Sciences  
Pathway: Therapeutic Services

This Career Pathway Plan of Study (based on the Interactive Media Pathway of the Information Technology Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

<table>
<thead>
<tr>
<th>EDUCATION LEVEL</th>
<th>GRADE</th>
<th>English/Language Arts</th>
<th>Mathematics</th>
<th>Science</th>
<th>Social Studies/Science</th>
<th>Other Required Courses/Recommended Electives/ Learner Activities</th>
<th>Recommended Career and Technical Courses</th>
<th>SAMPLE – Occupations Relating to This Pathway:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIDDLE</td>
<td>7</td>
<td>English 7</td>
<td>Math 7/Algebra I/Geometry</td>
<td>Science 7</td>
<td>History and SS 7</td>
<td>Music/The Arts/CTE</td>
<td>Keyboarding Keyboarding Applications</td>
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<td></td>
<td>8</td>
<td>English 7</td>
<td>Math 8/Algebra II/Geometry/Algebra II</td>
<td>Science 8</td>
<td>History and SS 8</td>
<td>Music/The Arts/CTE</td>
<td>Family Consumer Science</td>
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</table>

Career Assessment: Virginia View and Kuder

<table>
<thead>
<tr>
<th>SECONDARY</th>
<th>9</th>
<th>English</th>
<th>Algebra I / Geometry</th>
<th>Earth Science/Biology</th>
<th>World History I</th>
<th>Health &amp; PE I</th>
<th>World Language I / II</th>
<th>Health &amp; Medical Sciences I</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
<td>English</td>
<td>Geometry / Algebra II</td>
<td>Biology / Chemistry</td>
<td>World History II</td>
<td>Health &amp; PE II</td>
<td>World Language II / III</td>
<td>Health &amp; Medical Sciences II</td>
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<tr>
<td></td>
<td>11</td>
<td>English</td>
<td>Algebra II / Trig/Math Analysis</td>
<td>Chemistry / Physics</td>
<td>US/VA History</td>
<td>Computer Information Systems I</td>
<td>World Language III/IV</td>
<td>EMT</td>
</tr>
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</table>
|                 | 12    | English               | AP English
PVCC English 111
PVCC English 112 | Trigonometry / Math Analysis/AP Calculus
PVCC Math 164,173 | Physics / AP Science | US/VA Government
AP Government
PVCC Proj. Sc. 211,212 | Anatomy Physiology | Business Management | Business Law Finance | Dental Assistant or Pharmacy Technician or Nursing Assistant |


List related certifications/credentials approved by VDOE and offered locally:
- Certified Nursing Assistant
- Radiation Health & Safety, Infection Control
- EMT B Certification
- Virginia Pharmacy Technician Certification

Additional Learning Opportunities:
- CTSO Organization(s): [ ] DECA [ ] FCCLA [ ] FBLA [ ] FFA [ ] FEAL [ ] SkillsUSA [ ] TSA
- Work-Based Learning:
  - [ ] Career Research
  - [x] Cooperative Education
  - [ ] Internship
  - [ ] Mentoring
  - [ ] Job Shadowing
  - [ ] Service Learning Project
  - [ ] Student Apprenticeship

College Entrance Exams such as ACT & SAT

SAMPLE POSTSECONDARY PROGRAMS RELATED TO THIS CAREER PATHWAY

Individual plans must include locally agreed upon courses at the postsecondary level (See page 2)
<table>
<thead>
<tr>
<th>Semester</th>
<th>English</th>
<th>Mathematics</th>
<th>Science</th>
<th>Social Studies</th>
<th>Required Courses or Recommended Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1st Semester</td>
<td>College Comp I (Eng. 111)</td>
<td>Math 120 Intro to Math Mathematics 164,173</td>
<td>Human Anatomy &amp; Physiology I BIO 141</td>
<td>Intro to ALS EMS 151</td>
<td>Orientation (SDV 101) EMS 157 ALS Trauma Care EMS 170 ALS Internship</td>
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<tr>
<td>2nd Semester</td>
<td>English 115-Tech Writing Or English 211 College Composition II</td>
<td>BIO 142 Human Anatomy &amp; Physiology II</td>
<td>EMS 209 Pharmacology</td>
<td>EMS 155 ALS Medical Care EMS 153 Basic EKG Interpretation EMS 172 ALS Clinical Internship</td>
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</tr>
<tr>
<td><strong>Year 2</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Semester</td>
<td>EMS 159 Special Populations</td>
<td>EMS 240 ALS Internship II</td>
<td>EMS 242 ALS Clinical Internship III</td>
<td>ITE 119 Information Literacy</td>
<td>EMS 165 Adv Cardiac Life Support EMS 173 ALS Field Internship II EMS 169 Pediatric Basic Life Support EMS 162 Pediatric Adv Life Support</td>
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<tr>
<td>2nd Semester</td>
<td>EMS 256 12-Lead EKG Interpretation</td>
<td>EMS 215 Registry Review</td>
<td>EMS 282 ALS Clinical Internship IV</td>
<td>Social Science Elective</td>
<td>EMS 245 ALS Field Internships IV EMS 146 Medical Aspects of Haz Materials Humanities Elective</td>
</tr>
</tbody>
</table>

**Related Industry Certifications Available:**
- Radiation Health & Safety, Infection Control
- EMT B Certification

**Additional Suggested Learning Opportunities:**
- Work-Based Learning:
  - Cooperative Education
  - Internship
  - Mentorship
  - Job Shadowing
  - Service Learning Project
  - Registered Apprenticeship

**College courses offered locally in the high school for college credit should be coded:** DE (Dual Enrollment) and/or VC (Validated Credit)

**University/College:**
- Degree or Major: 
- Number of Dual Enrollment CC Credits: 18-21