



Northumberland High School Plan of Study

Student Name: _____
 School: [Northumberland High School](http://www.northumberlandhighschool.org)
 Date: _____

Cluster: Health Science Pathway: Therapeutic and Diagnostic 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.*

EDUCATION LEVELS	GRADE	English/ Language Arts	Mathematics	Science	Social Studies/ Science	Other Required Courses Recommended Electives Learner Activities	Recommended Career and Technical Courses Source: Administrative Planning Guide www.doe.virginia.gov/VDOE/Instruction/CTE/apg/	SAMPLE – Occupations Relating to This Pathway: www.doe.virginia.gov/VDOE/Instruction/CTE/careerclusters/ www.careerclusters.org www.cteresource.org/cpg/
Graduation Requirements: http://www.doe.virginia.gov/2plus4in2004/index.shtml								
MIDDLE	7	Language Arts & Reading	Pre-Algebra or Algebra I	Life Science	Social Studies	Health/P.E. Art or Chorus	NOTE: Use state course titles	Anesthesiologist Assistant Certified Nursing Assistant Clinical Medical Assistant Data Entry Coordinator Dental Assistant/Hygienist Dental Lab Technician EMT/Paramedic Home Health Aide Licensed Practical Nurse Massage Therapist Orthotist/Prosthetist Pharmacist/Pharmacy Technician Physical Therapist/Assistant Radiologic Technician Registered Nurse Respiratory Therapist Surgical Technician
	8	English 8	Algebra I or Geometry	Physical Science	Civics & Economics	Health P.E. Art, Chorus, or Foreign Language		
Career Assessment: Administration of a career assessment instrument is appropriate at the middle school level to help students and their parents plan for high school (Virginia's Career Planning System or other assessment product).								
SECONDARY	9	English 9	Algebra I or Geometry or Algebra II	Earth Sciences	World Geography	Health & PE (2 years) Foreign Language (3 years) Other Electives to Complement Pathway (Core Academic and CTE): EMT (8333) – (DE) RCC EMS 111/113/120	Keyboarding (6152) – (DE) RCC AST 101/102 Computer Information Systems (6612)- CIS (DE) RCC ITE 100/130 Business Management (6135 – (DE) RCC BUS 100//236 Office Administration (6621) – (DE) RCC 141/243	
	10	English 10	Geometry or Algebra II or Math Analysis	Biology	World History 10 (Advance Diploma)			
	11	English 11	Algebra II or Math Analysis or RCC MTH 163/270 or MTH 164/290 or Computer Math (Standard Diploma)	Chemistry (Advance Diploma) or Ecology (Standard Diploma)	US/VA History or AP US/VA History			
	12	English 12 or AP English 12 or (DE) RCC Eng 111/112	Math Analysis or RCC MTH 163/270 or MTH 164/290	Physics (Advance Diploma) or Adv Biology (Advance Diploma) or AP Biology (Advance Diploma)	US/VA Government or AP US/VA Government			
High school courses in the pathway offered locally for college credit should be coded: DE (Dual Enrollment) and/or VC (Validated Credit)								
List related certifications/credentials approved by VDOE and offered locally: http://www.doe.virginia.gov/VDOE/Instruction/CTE/apg/ (Go to Section 9.) Emergency Medical Technician (Department of Health, Office of Emergency Medical Services) - First Responder, Basic, Enhanced, Intermediate, & Paramedic Virginia Workplace Readiness Assessment (NOCTI) and IC3 Certification (Certiport)						Additional Learning Opportunities: CTSO Organization(s): <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> FFA <input type="checkbox"/> FEA <input type="checkbox"/> HOSA <input checked="" type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA		
Postsecondary: Placement Assessments such as COMPASS & SAT II						Work-Based Learning: <input checked="" type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input checked="" type="checkbox"/> Internship <input checked="" type="checkbox"/> Mentorship <input checked="" type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Student Apprenticeship		
Postsecondary: Placement Assessments such as COMPASS & SAT II						College Entrance Exams such as ACT & SAT		

POSTSECONDARY	SAMPLE POSTSECONDARY PROGRAMS RELATED TO THIS CAREER PATHWAY			
	Individual plans must include locally agreed upon courses at the postsecondary level (See page 2)			
	Pathway	Associate Degree, College Certificate, or Apprenticeship	Bachelors Degree	Postgraduate Degree
	EMS-Intermediate	Career Studies Certificate		

College: [Rappahannock Community College](#)

School Division(s): [Northumberland County Public Schools](#)

Postsecondary: Placement Assessments such as COMPASS & SAT II

POSTSECONDARY - COMMUNITY COLLEGE or APPRENTICESHIP - Determined Locally	Semester	English	Mathematics	Science	Social Studies	Required Courses or Recommended Electives				
	POSTSECONDARY PLAN OF STUDIES MUST INCLUDE POSTSECONDARY ACADEMIC, CTE, AND OTHER ELECTIVE COURSES APPROPRIATE FOR AN ASSOCIATE DEGREE.									
	Year 1 1 st Semester	ENG 111 College Composition I (Optional)	Math 146 Elementary Statistics (Optional)			EMS 111 Emergency Medical Technician Basic	EMT 120 Basic Clinical			
	Year 1 2 nd Semester					EMS 151 Intro Advance Life Support	EMS 170 ALS Internship I	EMS 153 Basic ECG Recognition	EMS 157 ALS- Trauma Care	
	Year 2 1 st Semester					EMS 155 ALS - Medical Care	EMS 159 EMS Special Populations	EMS 172 ALS Clinical Internship II	EMS 173 ALS Field Internship I	
Year 2 2 nd Semester										
College courses offered locally in the high school for college credit should be coded: DE (Dual Enrollment) and/or VC (Validated Credit)										

Related Industry Certifications Available:
 Applicants must meet the general admission requirements of the college.
 Students are required to earn a C or better in all courses to be awarded the EMS-Intermediate Career Studies Certificate.

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

UNIVERSITY
 University/College: Rappahannock Community College
 Degree or Major: EMS-Intermediate
 Number of Articulated CC Credits: 25

Notes: