



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/careercluster/s/ 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 No CTE Courses offered at Middle School for this pathway	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): DE Nurse Aide (8362) – NNTC **Receive a Nurse Aide Career Study Certificate from RCC – 9 cr	Keyboarding (6152) – (DE) RCC AST 101/102	Office Administration (6621) – (DE) RCC 141/243
	10	English 10	Geometry or Algebra II or Math Analysis	Biology	World History 10 (Advance Diploma)		Computer Information Systems (6612)- CIS (DE) RCC ITE 100/130	
	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		Business Management (6135 – (DE) RCC BUS 100//236	
	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/>
After Nurse Aide Course @ NNTC:
 Health Assisting Assessment (NOCTI), Home Health Aide Assessment (NOCTI), National Health Care Foundation Skill Standards Assessment (NOCTI), **Certified Nurse Aide (Virginia Board of Nursing)**, Nursing Assisting Assessment (NOCTI), Virginia Workplace Readiness Assessment (NOCTI) and IC3 Certification (Certiport)
After Practical Nursing Course at Rappahannock Community College:
 Licensed Practical Nurse

Additional Learning Opportunities:
 CTSO Organization(s):
 DECA FBLA FCCLA FFA
 FEA HOSA SkillsUSA TSA

Work-Based Learning:
 Career Research Cooperative Education Internship Mentorship
 Job Shadowing Service Learning Project 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
	Practical Nursing (LPN)	One-Year 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					NUR 120 Terminology & SDV 100 Orientation	PNE 155 Body Structure and Function 3 0 3 Approved Information Technology Elective	PNE 161 Nursing in Health Changes I & SOC 200 Principles of Sociology I	NUR 135 Drug Dosage Calculation
	Year 1 2 nd Semester	ENG 111 College Composition I				PNE 162 Nursing in Health Changes I	PSY 230 Developmental Psychology	PNE 173 Pharmacology	
	Year 2 1 st Semester					HLT 110 Concepts of Personal and Community	(or HLT 230)Health (or Principles of Nutrition and Human Development)	PNE 145 Trends in Practical Nursing	PNE 163 Nursing in Health Changes III
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 Practical Nursing One-year 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: Practical Nursing Number of Articulated CC Credits: 48
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Notes: Student can potentially earn a CNA and LPN Certificate from NHS & RCC with 57 credits and a CNA and LPN License for the State of Virginia