



Commonwealth of Virginia Plan of Study

Student Name: _____
School: _____
Date: _____

Cluster: Health Science Pathway: Medical Laboratory Technology

This Career Pathway Plan of Study 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/Intruction/CTE/apg/	SAMPLE – Occupations Relating to This Pathway: www.doe.virginia.gov/VDOE/Intruction/CTE/careerclusters/ www.careerclusters.org www.cteresource.org/cpg/
Graduation Requirements: http://www.doe.virginia.gov/2plus4in2004/index.shtml								
MIDDLE	7	English	Math 7/3111	4115/Life Science	Social Studies 7/2355	Health & PE	6150 Exploring Keyboarding (18 wks)	<ul style="list-style-type: none"> - Anesthesiologist Assistant - Athletic Trainer - Audiologist - Certified Nursing Assistant - Chiropractor - Clinical Medical Assistant - Dental Assistant/Hygienist - Dental Lab Technician - Dentist - Dietician - EMT/Paramedic - Exercise Physiologist - Home Health Aide - LPN/RN - Massage Therapist - Medical Assistant - Nurse Practitioner - Occupational Therapist/Assistant - Optician/Optomtrist - Pharmacist/Pharmacy Technician - Physical Therapist/Assistant - Physician (MD/DO) - Physician's Assistant - Psychologist - Radiologic Technician - Recreation Therapist - Respiratory Therapist - Social Worker - Speech Language Pathologist - Surgical Technician/Technologist - Veterinarian/VetAssist/Technician
	8	English	Math 8/3112	4125/Physical Science 8	Social Studies 8/2220 Civics & Economics	Health & PE	8219 Independent Living	
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	Algebra I	Earth Sciences	World History/ Geography	Health & PE (2 years) Foreign Language (3 years) Other Electives to Complement Pathway (Core Academic and CTE):	6612 Computer Information Systems/ITE 115 DE	
	10	English	Geometry	Biology	World History/ Geography		7040 Driver Education & Highway Safety/8228 Foods & Wellness	
	11	English	Algebra II	Chemistry	US/VA History		8345/MDL 101 Introduction to Medical Laboratory DE 8345/MDL 262 Clinical Chemistry & Instrumentation II DE	
	12	English 12/Eng 111/112 DE	Trigonometry/ Advanced Algebra	Physics (or Principles of Technology I and II)	US/VA Government		MDL 110 Urinalysis and Body Fluids MDL 210 Immunology & Serology	
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/Intruction/CTE/apg/ (Go to Section 9.) Certified Nurse Aide Licensed Practical Nurse after PNII						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 checked="" type="checkbox"/> HOSA <input type="checkbox"/> Skills USA <input type="checkbox"/> TSA Work-Based Learning: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Mentorship <input 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	
	Medical Laboratory Technician		Medical Laboratory Technology (AAS)					

College: [J. Sargeant Reynolds Community College](#)

School Division(s): Hanover County, Virginia

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 II DE	MTH 120 Intro to Mathematics or MTH 163 Precalculus	CHM 101 General Chemistry or CHM 111 College Chemistry I	Social/Behavioral Science Elective	BIO 101 General Biology I	SDV 100 College Success Skills		
	Year 1 2 nd Semester	Eng 112/ College Composition II DE	MDL101 Introduction to Medical Laboratory Techniques	Humanities/Fine Arts Elective	MDL 110 Urinalysis & Body Fluids	ITE 115 /6612 Computer Information Systems DE	Personal Wellness Elective		
		MDL 125 Clinical Hematology I	MDL 190 Coordinated Internship I-MLT Phlebotomy	MDL 210 Immunology & Serology	MDL 251 Clinical Microbiology I				
	Year 2 1 st Semester	MDL 216 Blood Banking	MDL 225 Clinical Hematology	MDL 252 Clinical Microbiology II	MDL 262 Clinical Chemistry & Instrumentation II				
Year 2 2 nd Semester	MDL 190 Coordinated Internship II	MDL 290 Coordinated Internship IV	MDL 282 Clinical Laboratory Techniques- Coordinated Internship III	MDL 281 Clinical Correlations					
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:					Additional Suggested Learning Opportunities: Additional CSC programs for EMT Intermediate and Paramedic are available at JSRCC				
					Work-Based Learning: <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Mentorship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Registered Apprenticeship				
UNIVERSITY	University/College:								
	Degree or Major:								
Number of Articulated CC Credits: Would be Based on the Local School Divisions Agreements *									
Notes:									