



Commonwealth of Virginia Plan of Study

Student Name: _____

School: _____

Date: _____

Cluster: Law, Public Safety, Corrections & Security Pathway: Fire Science 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/ 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	English	Math 7/3111	4115/Life Science	Social Studies 7/2355	Health & PE	Introduction to Technology / Inventions & Innovations	<ul style="list-style-type: none"> - Dispatcher - Emergency Management/ Response Coordinator - Emergency Planning Manager - EMT - Fire Fighter - Forest Fire Fighter - Forest Fire Inspector/ Investigator - Hazardous Materials Responder - Manager/Supervisor of Fire Fighters or Forest Fire Fighters - Rescue Worker - Training Officer - Police Officer
	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/6132 Business Law	
	11	English	Algebra II	Chemistry	US/VA History		8333 Emergency Medical Technician	
	12	English	Trigonometry/ Advanced Algebra	Physics (or Principles of Technology I and II)	US/VA Government		8702 Criminal Justice I DE	
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.)						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"/> 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 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	
	<u>Law, Public Safety, Corrections & Security</u>	Fire Science Technology (AAS) (JSRCC)			BS Transfer Options Available			

College: J. Sargeant Reynolds Community College

School Division(s): _____

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 DE	SDV 100 College Success Skills	Approved Laboratory Science Elective	Approved Social/Behavioral Science Elective	FST 100 Principles of Emergency Services	FST 110 Fire Behavior & Combustion		
	Year 1 2 nd Semester	Eng 112 College Composition II DE or ENG 115 Technical Writing	MATH 120 Introduction to Mathematics	FST 115 Fire Prevention	Approved Social /Behavioral Science Elective	FST 112 Hazardous Materials Chemistry	ITE 115 Introduction to Computer Applications & Concepts		
	Year 2 1 st Semester	Approved Humanities/Fine Arts Elective	FST 240 Fire Administration	FST 235 Strategy & Tactics	FST 120 Occupational Health & Safety	FST 220 Building Construction for Fire Protection	Personal Wellness Elective or EMS 112, Emergency Medical Technician- Basic 1		
Year 2 2 nd Semester	SPD 100 Principles of Pub. Speaking or FST 135 Fire Instructor 1	FST 205 Fire Protection Hydraulics & Water Supply	FST 245 Fire & Risk Analysis	FST 210 Legal Aspects of Fire Services	FST 215 Fire Protection Systems				

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:

Work-Based Learning:

- Cooperative Education
 Internship
 Mentorship
 Job Shadowing
 Service Learning Project
 Registered Apprenticeship

UNIVERSITY

University/College:
 Degree or Major:
 Number of Articulated CC Credits:

Notes: