

Commonwealth of Virginia Plan of Study

Student Name: _

School: Alexandria City High School

Date: 3/11/2022

Cluster: Education & Training Pathway: Teaching and Training: STEM

This Career Pathway Plan of Study serves as a guide, along with other graduation and career planning materials. 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 meets the ACPS requirements for high school graduation with the Advanced Technical Diploma as well as general college entrance requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts	Mathematics	Science	Social Studies/ S	Science	Other Required Courses Recommended Electives Learner Activities	Recommended Caree Technical Course Source: Administrative Planning of the www.doe.virginia.gov/VI Instruction/CTE/apg	Guide DOE/	SAMPLE – Occupations Relating to This Pathway: www.doe.virginia.gov/VDOE/ Instruction/CTE/careerclusters/ www.careerclusters.org www.cteresource.org/cpg/	
			Graduation								
)LE	7	English 7 (1110)	Math 7 (3111)	Life Science (4115)	U S History (2354) Civics & Economics (2357)		Health, PE, Family Life (7120)	Inventions and Innovations	(8482)	Teacher	
MIDDLE	8	English 8 (1120)	Math 8 (3121) or Algebra I (3130)	Physical Science (4125)			Health, PE, Family Life (7200)	Technological Systems (84	463)		
areer A	ssessn	sessment: Administration of a career assessment instruments appropriate at the middle school level to help students and their parents plan for high school and beyond.								- Clinical Counseling School Psychologists	
	9	English 9 (1130)	Algebra I (3130) or Geometry (3143)	Biology (4310)	World History/ Geography I (221	15)		Engineering Explorations I	(8450)	Child, Family, & School Social Workers, Educational & School Counselors Speech-Language Pathologists Child Life Specialist Recreation Workers College Professor School Administrator	
SECONDARY	10	English 10 (1140)	Geometry (3143) or Algebra II (3135)	Earth Sciences (4210)	World History/ Geography II (221 AP World (2380)		Economics & Personal Finance 6120)	Engineering Analysis & App (8451)	olications II		
	11	English 11 (1150) or AP Language (1196) or DE College Composition (1601)	Algebra II (3135) or Pre-Calculus (3162)	Chemistry (4410)	US/VA History (23 DE US History or History (2319)	2360) or r AP US (Health & PE (2 years) Foreign Language (3 years) Other Electives to Complement Pathway (Core Academic and	DE Teachers for Tomorrow	r I (9062)	Superintendent Education Consultant Curriculum Specialist	
	12	English 12 (1160) or AP Literature (1195) or DE World Literature (1602)	Pre-Calculus (3162) or AP Calculus BC (3177)	Advanced Science* (DE Physics)	US/VA Government(2440 AP Government (2440)	(0) or	CTE)	DE Teachers for Tomorrow	ow II (9072)		
	High s	High school courses in the pathway offered locally for college credit should be coded: DE (Dual Enrollment) and/or VC (Validated Credit) * Indicates courses with optional AP sections, students must take at least one AP or college-level course to earn the Advanced Diploma									
nttp://w NOCTI CDA Inter Praxis I	ww.do mationa (Para	e.virginia.gov/VDO al Certificate Pro)	E/Instruction/CTE/ap	v VDOE and offered logg/ (Go to Section 9.)		CTSO Organ X Future Edu DECA Work-Bas X Job Shado	ucator's Rising X TSA ☐ FBLA ☐ FFA ☐ ed Learning: owing X Externship X Intern] FCCL ☐ HOSA ship X Mentorship X S renticeship ☐ Cooperative	SkillsUS Service Lear Education [
Postse	conda	ary: Placement Asse	ssments such as Vir	ginia Placement Test, A	Accuplacer	College Entrance Exams such as ACT & SAT					
'RY	SAMPLE POSTSECONDARY PROGRAMS RELATED TO THIS CAREER PATHWAY										
POSTSECONDARY	Pathway			Associate Degree, College Certificate, Apprenticeship			Bachelors Degree			Postgraduate Degree	
POSTS	Teaching and Training: STEM			Social Sciences: Teacher Education Specialization, A		ialization, A.S	Elementary Education, BS, Secondary Education, BS		Education, MEd (PreK-6, Secondary, STEM. Special Education, EL)		

POSTSECONDARY - COMMUNITY COLLEGE or APPRENTICESHIP Social Semester English/Speech Mathematics Science **Humanities** Required Courses or Recommended Electives **Studies** POSTSECONDARY PLAN OF STUDIES MUST INCLUDE POSTSECONDARY ACADEMIC, CTE, AND OTHER ELECTIVE COURSES APPROPRIATE FOR AN ASSOCIATE DEGREE. BIO 101 General EDU 207 Human MTH 161 SDV 101 Elective Year 1 1st Semester Biology I OR GOL Growth and FNG 111 Pre-Calculus I OR Orientation to 105 Physical Development OR MTH 167 Pre-Teaching **OR** College Geology OR GOL PSY 230 Composition 1 Calculus with SDV 100 College 106 Historical Development Success Skills Trigonometry Geology Psychology Determined Locally EDU 280 Technology Year 1 2nd MTH 245 ENG 112 College Physical or Life HIS 121 United States Standards for Composition II Statistics Science with Lab History I Teachers **ENG 250** GEO 210 People and the CST 100 Principles Year 2 1st Semester EDU 200. Children's Land: An Introduction to of Public Speaking HIS 122 United States Introduction to Literature **OR** Cultural Geography OR **OR** CST 110 History II Teaching as a Any Literature GEO 220 World Regional Introduction to Profession Elective Geography Communication EDU 254 Teaching HIS 101 History of Basic Academic PLS 135 American Year 2 Semester Western Civilization I Skills to Exceptional National Politics Humanities/Fine Arts STEM-specific OR Children OR EDU Elective Elective HIS 102 History of 250 Foundations of PLS 136 State & Western Civilization II Exceptional **Local Politics** Education 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:** Praxis I Work-Based Learning: ☐ Cooperative Education X Internship ☐ Mentorship X Job Shadowing ☐ Service Learning Project ☐ Registered Apprenticeship University/College: George Mason University or Virginia State University UNIVERSITY Degree or Major: BS Elementary Pre K-6 or Secondary 6-12 Education Number of Articulated CC Credits: Minimum of 60 credits Notes: The Social Sciences: Teacher Education Specialization, A.S. degree is designed for students who are interested in a traditional Teacher License required to teach

Upon completion of this program, students can substitute teach and/or transfer credits to an Elementary or Secondary Education Degree program for a BS degree.

School Division(s): Alexandria City Public Schools

Community College: Northern Virginia Community College

in a public school.