

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.

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EDUCATION LEVELS	GRADE	English/ Language Arts	Mathematics	Science	Social Studies/ So	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										
)LE	7	English 7 (1110)	Math 7 (3111)	Life Science (4115)	U S History (2354)		lealth, PE, Family Life (7120)		s (8482)		
MIDDLE	8	English 8 (1120)	Math 8 (3121) or Algebra I (3130)	Physical Science (4125)	Civics & Economics (2357)		Health, PE, Family Life (7200)	Technological Systems (8463)		Teacher - Clinical Counseling	
Career A	ssessment: Administration of a career assessment instruments appropriate at the middle school level to help students and their parents plan for high school and beyond.								School Psychologists		
SECONDARY	9	English 9 (1130)	Algebra I (3130) or Geometry (3143)	Biology (4310)	World History/ Geography I (2215	5)		Engineering Explorations	I (8450)	Child, Family, & School Social Workers, Educational & School Counselors Speech-Language Pathologists Child Life Specialist Recreation Workers College Professor School Administrator Superintendent Education Consultant Curriculum Specialist	
	10	English 10 (1140)	Geometry (3143) or Algebra II (3135)	Earth Sciences (4210)	World History/ Geography II (2216 AP World (2380)	, LC	conomics & Personal Finance 120)	Engineering Analysis & A (8451)	pplications 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 (236 DE US History or A History (2319)	660) or He AP US Ot Pa	ealth & PE (2 years) preign Language (3 years) ther Electives to Complement athway (Core Academic and	DE Teachers for Tomorro	w I (9062)		
	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 (2) or 2445)	TE)	DE Teachers for Tomorrow II (9072)			
	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										
List related certifications/credentials approved by VDOE and offered locally: http://www.doe.virginia.gov/VDOE/Instruction/CTE/apg/ (Go to Section 9.) NOCTI CDA International Certificate Praxis I (Para Pro) Postsecondary: Placement Assessments such as Virginia Placement Test, Accuplacer Additional Learning Opportunities: CTSO Organization(s): X Future Educator's Rising X TSA DECA FBLA FFA FCCL HOSA SkillsUSA Work-Based Learning: X Job Shadowing X Externship X Internship X Mentorship X Service Learning A Service A Service Learning A Service Learnin										ning ☐ Apprenticeship ☐ SAE	
Postse	conda	iry: Placement Asse	essments such as Vir	ginia Placement Test, /	Accupiacer C	College Entr	ollege Entrance Exams such as ACT & SAT				
ARY	SAMPLE POSTSECONDARY PROGRAMS RELATED TO THIS CAREER PATHWAY										
POSTSECONDARY	Pathway			Associate Degree Appr	e, College Certif enticeship	ficate, or	Bachelors Degree		Postgraduate Degree		
POSTS	Teaching and Training: STEM			Social Sciences: Teacher Education Specialization,		lization, A.S.	Elementary Education, BS, Secondary Education, BS		Education, MEd (PreK-6, Secondary, STEM. Special Education, EL)		

Community College: Northern Virginia Community College School Division(s): Alexandria City Public Schools Social Semester English/Speech **Mathematics** Science **Humanities** Required Courses or Recommended Electives **Studies** POSTSECONDARY - COMMUNITY COLLEGE or APPRENTICESHIP POSTSECONDARY PLAN OF STUDIES MUST INCLUDE POSTSECONDARY ACADEMIC, CTE, AND OTHER ELECTIVE COURSES APPROPRIATE FOR AN ASSOCIATE DEGREE. EDU 207 Human MTH151 SDV 101 Elective Year 1 1st Semester Growth and FNG 111 Quantitative Orientation to Physical or Life Development OR Teaching **OR** College Reasoning OR Science with Lab PSY 230 Composition 1 MTH 161 SDV College Development Pre-Calculus Success Skills Psychology EDU 280 Technology **Determined Locally** Standards for Year 1 Semester Teachers OR ENG 112 College MTH 245 Physical or Life HIS 121 United States ITE 115 Intro. to Composition II Statistics Science with Lab History I Computer Applications and Concepts OR ITE 119 Information Literacy GEO 210 People and the Year 2 1st Semester EDU 200. **ENG 200** Land: An Introduction to HIS 122 United States Introduction to Literature Cultural Geography OR **CST Elective** History II Teaching as a Elective GEO 220 World Regional Profession Geography HIS 101 History of PLS 135 American Year 2 Semester EDU 254 Teaching Western Civilization I **National Politics** Humanities/Fine Arts Basic Academic OR OR Open Elective Flective Skills to Exceptional HIS 102 History of PLS 136 State & 2^{nd} Children Western Civilization II Local Politics 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 ☐ Service Learning Project ☐ Registered Apprenticeship X Job Shadowing UNIVERSITY University/College: George Mason University or Virginia State 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 in a public school.

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.