

Commonwealth of Virginia Plan of Study



Cluster: Information Technology **Pathway: Information Support and Services**

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 http://www.cteresource.org/apg/	SAMPLE – Occupations Relating to This Pathway: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/sample_plans_study/index.shtml http://www.careerclusters.org http://www.cteresource.org/cpg/	
		NOTE: Indicate State Course Titles and Codes							
Graduation Requirements: http://www.doe.virginia.gov/instruction/graduation/index.shtml									
MIDDLE	7	English 7 (1110)	Math 7 (3111)	Life Science (4115)	U S History (2354)	Introduction to Technology (8481/8482/8483/8484)	Keyboarding (6150, 6151, or 6152)	<ul style="list-style-type: none"> • Account Manager • Applications Integrator • Call Center Support Representative • Customer Service Representative • Data Systems Designer • Database Administrator • Database Analyst • E-Business Specialist • Help Desk Specialist • Information Systems Architect • Instructional Designer • Maintenance Technician • PC Support Specialist • PC Systems Coordinator • Product Support Engineer • Support Engineer • Systems Analyst • Technical Communicator • Testing Engineer 	
	8	English 8 (1120)	Math 8/Pre-Algebra (3112)	Physical Science (4125)	Civics & Economics (2357)		Keyboarding (6150, 6151, or 6152)		
Career Assessment: Identify an appropriate career assessment instrument at the middle school level used to help students and their parents plan for high school: VA Wizard <input checked="" type="checkbox"/> or other assessment (please indicate): _____									
SECONDARY	9	English (1130)	Algebra I (3130)	Earth Sciences (4210)	World History/ Geography I (2215)	Economics and Personal Finance (6120) Health & PE (2 years) Foreign Language (3 years) Other Electives to Complement Pathway (Core Academic and CTE): Advanced Computer Information Systems 6613 Computer Networking Software Operations (CNSO) 6650 CNSO 6651 Programming 6640	Computer Information Systems I (6612)		
	10	English (1140)	Geometry (3143)	Biology (4310)	World History/ Geography II (2216)		Computer Information Systems I (6612) or Design, Multimedia, and Web Technologies, Advanced (6631) 36 wk. or Office Administration (6621)		
	11	English (1150)	Algebra II (3135)	Chemistry (4410)	US/VA History (2360)		Computer Information Systems I (6612) or Design, Multimedia, and Web Technologies, Advanced (6631) or Office Administration (6621)		
	12	English (1160)	Trigonometry/ Advanced Algebra (3137)	Physics (4510) or Principles of Technology I and II (9811/9812)	US/VA Government(2440)		Computer Systems Technology (8622/8623) NHREC or Office Administration (6621) or Design, Multimedia, and Web Technologies, Advanced (6631)		
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.cteresource.org/apg> (Go to Certification - License Section.)

IC3; Microsoft Certified Applications Specialist; Microsoft Office Specialist; A+; Brainbench Network Administration Certification; Brainbench Network Systems Administration Certification; Brainbench Technical Support Certification; Certified Novell Administrator; Certified Computer Service Technician; Computer Networking Fundamentals Assessment; Computer Repair Technician Assessment; IT Essential Exams 1 and 2, CISCO CCNA Academy certifications 1, 2, 3, 4; CISCO Certified Networking Associate; Workplace Readiness Skills for the Commonwealth (CTECS)

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

SAMPLE POSTSECONDARY PROGRAMS RELATED TO THIS CAREER PATHWAY

Individual plans must include locally agreed upon courses at the postsecondary level (See page 2)

POSTSECONDARY	Pathway	Associate Degree, College Certificate, or Apprenticeship	Bachelors Degree	Postgraduate Degree
	Information Support and Services	Computer Science – AS (Transfer) Information Technology – AS (Transfer)	(Determined Locally)	(Determined Locally – Optional)

College: _____

School Division(s): _____

Postsecondary: Placement Assessments such as Virginia Placement Test or COMPASS

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								
Year 1 2 nd Semester								
Year 2 1 st Semester								
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:

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: