



Commonwealth of Virginia Plan of Study

Student Name: _____
School: _____
Date: _____

Cluster: Information Technology Pathway: Information Systems Technology (Microcomputer Technical Support/Networking)

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/career_clusters/ 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	Elective/Keyboarding 6150 9 Wks	Analyzing, planning, and implementing network systems Information Systems Administrator Network Administrator Network Engineer Telecommunications Network Technician Computer Security Specialist	
	8	English	Math 8/3112	4125/Physical Science 8	Social Studies 8/2220 Civics & Economics	Health & PE	Elective/Digital Input Technologies 6160/ Computer Applications 6617		
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):	BUS 6151 Keyboarding/AST 114 DE		
	10	English	Geometry	Biology	World History/ Geography		BUS 6320 Accounting/ACC 115 & ACC 215 DE		
	11	English	Algebra II	Chemistry	US/VA History		Computer Systems Technology I T&I 8622/ITE 221 & ITN 150 DE/IC		
	12	English 12/English 111/112 DE	Trigonometry/ Advanced Algebra	Physics (or Principles of Technology I and II)	US/VA Government		Computer Systems Technology II T & I 8623/ITN 101 & ITN 151 DE/IC		
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.) A+, Network +/-Cisco						Additional Learning Opportunities: CTSO Organization(s): <input type="checkbox"/> DECA <input checked="" type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> FFA <input type="checkbox"/> FEA <input type="checkbox"/> HOSA <input checked="" type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA Work-Based Learning: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input checked="" 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		
	Information Systems Technology	AAS (JSRCC)							

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 Compositions I DE	MTH 120 Introduction to Mathematics	SDV 100 College Success Skills	ACC 115*Applied Accounting I DE	ITE 115 Computer Applications & Concepts DE	ITN 100 Introductions to Telecommunications	AST 114 Keyboarding for Information Processing DE	
	Year 1 2 nd Semester	ENG 112 College Composition II DE	BUS 125 Applied Business Mathematics	ITN 171 UNIX I	ITE 221 PC Hardware & OS Architecture DE/IC	ITN 101 Introduction to Network Concepts DE/IC	Note: ITN 150 and ITN 151 prepare students for the CSC in Cisco Internetworking DE/IC		
	Year 2 1 st Semester	AST 205 Business Communications	ECO 120 Survey of Economics	BUS 220 Introduction to Business Statistics	ITP 251 Systems Analysis & Design	ITN 114 Windows XP Professionals	Personal Wellness Elective		
Year 2 2 nd Semester	Humanities/Fine Arts Elective	Approved IT Elective	ITN 115 Windows 2003 Server (Ser)	ITN 260 Network Security Basics	IT 298 Seminar and Project: Capstone Course				
College courses offered locally in the high school for college credit should be coded: DE (Dual Enrollment) and/or VC (Validated Credit)									

<p>Related Industry Certifications Available: IC</p> <p>Sun Certified Associate for Java 2 Platform & Microsoft Office Specialist (MOS)</p>	<p>Additional Suggested Learning Opportunities:</p> <p>Work-Based Learning:</p> <p><input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Mentorship</p> <p><input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Registered Apprenticeship</p>
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UNIVERSITY	<p>University/College:</p> <p>Degree or Major:</p> <p>Number of Articulated CC Credits:</p>
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