

SD Program of Study

Network Systems Pathway

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as postsecondary entrance requirements.

	GRADE	English	Math	Science	Social Studies/ Sciences	SD Required Electives	Career & Technical Education Courses	SAMPLE Career Options Relating to This Pathway
Personal Learning Plan (PLP) initiated for all students, career and academic advisement and appropriate assessment.s								
SECONDARY	9	* English I (01001)	* Algebra I (02052)	* Physical Science (03159)	* World History-Overview (04051) * World Geography (04001)	* PE/Health * Fine Art Elective	Computer Applications (10004) Intro to Information Technology (10009) Foundations of CTE (22150) Operating Systems (10253)	<ul style="list-style-type: none"> ▶ Communications Analyst ▶ Data Communications Analyst ▶ Information Systems Administrator ▶ Information Systems Operator ▶ Information Technology Engineer ▶ Network Administrator ▶ Network Architect ▶ Network Engineer ▶ Network Manager ▶ Network Operations Analyst ▶ Network Security Analyst ▶ Network Specialist ▶ Network Technician ▶ Network Transport Administrator ▶ PC Support Specialist ▶ Systems Administrator ▶ Systems Engineer ▶ Systems Support Leader ▶ Technical Support Specialist ▶ Telecommunications Network Technician ▶ User Support Specialist
	10	*English/Literature II (01051) *Speech (01151)	* Geometry (02072)	* Biology (03051)		1 unit total - any combination of: * World Language or	Computer Hardware (10254) and/or Computer Programming (10152) and/or Visual Basic Programming (10153)	
	11	*English/Comp III (01102) *American Literature (01054)	* Algebra II (02056)	* Chemistry (03101)	* American History-Comprehensive (04101)	* Capstone Service Learning or Approved Career & Technical Education	Networking Technology (10101) and/or * Entrepreneurship (12053) and/or C++ Programming (10154) and/or Java Programming (10155)	
	12	* English IV (01004)	Calculus (02121) Trigonometry (02103)	Physics (03151) College Science Elective	* U.S. Government-Comprehensive (04151) * Psychology (04254)	* Personal Finance (22210) or *Economics (04201)	Networking Systems (10102), Information Systems Analysis and Design (10051) * Senior Experience (80019)	
POSTSECONDARY	Year 13	Written and Oral Communications	College Level Math	Natural Sciences	Social Studies/ Sciences	Computer Literacy		
	Year 14	Written Communications	Information Literacy			Wellness for Life Arts & Humanities		
	Year 15							
	Year 16							
CAREER CLUSTER CERTIFICATE	<p style="text-align: center;"> A+/CompTIA Certification Examination (A+ Essentials) C-Tech Home Professionals C-Tech Network Cabling Specialists C-Tech Voice Communication Professionals Cisco Certified Entry Networking Technician (CCENT™) Cisco Certified Network Associate (CCNA™) OSHA 10 Hour Safety Certification—General Industry </p>							
<p>Orange Text - College Level - Dual Credit * Classes available through Virtual School ² Recommended academic</p>								