

Recommended Program of Study for: Information Technology



Career Cluster: Information Technology Pathway Name: Network Systems								
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools				
English 9	English 10	English 11	English 12					
Algebra I	Geometry	Algebra II or equivalent	Math Elective					
Physical Science	Biology	Chemistry	Physics					
World History	United States History I	United States History II	Government/Economics					
Career Preparedness	Health/Elective	Elective	Elective					
Physical Education	Elective	Elective	Elective					
Information Technology Fundamentals	Networking I	Networking II	Networking III					
Networking IV	Computer Management and Support	Information Technology Support and Services	Alternating Current					
Direct Current	Senior Career Pathway Project -Information Technology							
Career and Technical Educati	Career and Technical Student							
Work-based Learning	Secondary	- Articulation -	Postsecondary	Organizations				
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				TSA				
CTE Assessments	Available Industry Certifications		High Wage-High Skill- High Demand Careers					
	<u>Certification</u>	<u>Provider</u>						



Recommended Program of Study for: Information Technology



Career Cluster: Information 7	D . 1 01 1				
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools	
English 9	English 10	English 11	English 12		
Algebra I	Geometry	Algebra II or equivalent	Math Elective		
Physical Science	Biology	Chemistry	Physics		
World History	United States History I	United States History II	Government/Economics		
Career Preparedness	Health/Elective	Elective	Elective		
Physical Education	Elective	Elective	Elective		
Information Technology Fundamentals	Database Design I	Database Design II	Database Design III		
Senior Career Pathway Project -Information Technology					
Career and Technical Educati	Career and Technical Student				
Work-based Learning	Secondary	- Articulation -	Postsecondary	Organizations	
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				TSA	
CTE Assessments	Available Industry Certifications		High Wage-High Skill- High Demand Careers		
	<u>Certification</u>	<u>Provider</u>			



Recommended Program of Study for: Information Technology



Career Cluster: Information Technology Pathway Name		: Programming & Software Development		
10th	Grade	11th Grade	12th Grade	Postsecondary Schools
English 10		English 11	English 12	
Geometry		Algebra II or equivalent	Math Elective	
Biology		Chemistry	Physics	
United States History I		United States History II	Government/Economics	
Health/Elective		Elective	Elective	
Elective		Elective	Elective	
Software F	Novalonmont	Lava Programming	Senior Career Pathway Project -Information Technology	
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on and /or Fo	reign Language	redits)	Career and Technical Student	
Secondary		Articulation –	Postsecondary	Organizations
				TSA
Available Industry Certifications		High Wage-High Skill- High Demand Careers		
<u>Certific</u>	ation	<u>Provider</u>		
	10th English 10 Geometry Biology United States Health/Elective Software E on and /or For Secondar	10th Grade English 10 Geometry Biology United States History I Health/Elective Elective Software Development on and /or Foreign Language Secondary	10th Grade English 10 English 11 Geometry Algebra II or equivalent Biology Chemistry United States History I Health/Elective Elective Elective Software Development Java Programming on and /or Foreign Language and /or Arts Education (3 cm Secondary Available Industry Certifications	Toth Grade English 10 English 11 Geometry Algebra II or equivalent Biology Chemistry United States History I Health/Elective Elective Elective Elective Elective Elective Senior Career Pathway Project - Information Technology on and /or Foreign Language and /or Arts Education (3 credits) Secondary Available Industry Certifications High Wage-High Skil