



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 Education and /or Foreign Language and /or Arts Education (3 credits)				Career and Technical Student Organizations
Work-based Learning	Secondary	- Articulation -	Postsecondary	
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: Database Design		
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 Education and /or Foreign Language and /or Arts Education (3 credits)				Career and Technical Student Organizations
Work-based Learning	Secondary	- Articulation -	Postsecondary	
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		
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	Software Development	Java Programming	Senior Career Pathway Project -Information Technology	
Career and Technical Education and /or Foreign Language and /or Arts Education (3 credits)				Career and Technical Student Organizations
Work-based Learning	Secondary	- Articulation -	Postsecondary	
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>		