



## Model Pathway Course Offerings

Pathway: STEM (15–43 semester hours)

- Compacted Curriculum
- Dual Enrollment Courses
- Associate's Degree Courses

	Courses	Grade Level							Post-Secondary Level	
		Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12	Grade 13	Grade 14
Academic Requirements	English	ELA 6	ELA 7	ELA 8	English 9 (1)	English 10 (1)	English 11 (1)	English Comp I (.5) – 3 semester hours  English Comp II (.5) – 3 semester hours	English Comp I (.5) – 3 semester hours  English Comp II (.5) – 3 semester hours	
	Math	Math 6	Pre-Algebra Math 7	Algebra I (1) Math 8	Algebra I or II (1)	Algebra II Geometry (1)	Geometry  College Algebra (1) – 4 semester hours	Business Math (1) 3 semester hours	College Algebra (1) – 4 semester hours	Business Math (1) – 3 semester hours
	Science	Science 6	Science 7	Science 8	Physical Science Biology (1)	Biology	Chemistry (1)	Physics (1)		
	Social Sciences/History	Social Studies 6	Social Studies 7	Social Studies 8	World Studies (1)	US History (1)	Western Civilization I (.5) – 3 semester hours  Western Civilization II (.5) – 3 semester hours	Government (1)	Western Civilization I (.5) – 3 semester hours  Western Civilization II (.5) – 3 semester hours	
	Language other than English	Foreign Language Survey	Foreign Language Survey	ASL I Chinese I (1)	ASL I Chinese (1)	ASL II (1) – 3 semester hours				ASL II (1) 3 semester hours
	Visual and Performing Arts	Introduction to Art	Introduction to Art	Fine Art (1) Music Band	Fine Art (1) Music Band	Music Band	Music Band	Music Band		
	College Preparatory Elective (Choice)	Career & College Survey	Career & College Survey		Career & College (.5)					

	<b>Other Elective Requirements</b>	Music Band	Music Band	<b>Health (.5)</b> <b>PE (.5)</b>	<b>Beginners Word (.5) – 1 semester hour</b>  <b>Beginners Spreadsheet (.5) – 1 semester hour</b>	<b>Beginners Database (.5) – 1 semester hour</b>	<b>Intermediate Word (.5) – 2 semester hours</b>	<b>Intermediate Spreadsheet (.5) – 2 semester hours</b>  <b>Intermediate Database (.5) – 2 semester hours</b>	<b>Beginners Word (.5) – 1 semester hour</b>  <b>Beginners Spreadsheet (.5) – 1 semester hour</b>  <b>Beginners Database (.5) – 1 semester hour</b>	<b>Intermediate Word (.5) 2 sem hours</b>  <b>Intermediate Spreadsheet (.5) 2 sem hours</b>  <b>Intermediate Database (.5) 2 sem hours</b>
<b>Core Components</b>	<b>Technical Courses</b>	Computer Applications	Computer Applications	Computer Applications	<b>Computer Concepts &amp; Apps (.5) – 3 semester hours</b>	<b>Web Design Essentials (.5) – 2 semester hours</b>  <b>PC Operating Systems (.5) – 3 semester hours</b>	<b>PC Hardware Essentials (.5) – 3 semester hours</b>  <b>Organizational Behavior (.5) – 3 semester hours</b>	<b>Principles of Management (.5) – 3 semester hours</b>	<b>PC Operating Systems (.5) – 3 semester hours</b>  <b>PC Hardware Essentials (.5) – 3 semester hours</b>	<b>Organizational Behavior (.5) – 3 semester hours</b>  <b>Principles of Management (.5) – 3 semester hours</b>  <b>Computer Concepts &amp; Apps (.5) – 3 semester hours</b>  <b>Web Design Essentials (.5) – 2 semester hours</b>
	Courses	6	7	8	9	10	11	12	13	14