

Endorsement	Related CTE Career Cluster(s)	Path	Math Elective(s)	Science Elective(s)	Other Elective(s)	Notes / Courses to Satisfy Requirements
1. STEM	⊕ Science, Technology, Engineering and Mathematics 130.O.	1A	<ul style="list-style-type: none"> ▪ Algebra 2 ▪ Advanced Math 	<ul style="list-style-type: none"> ▪ Chemistry ▪ Physics 	Coherent sequence of CTE courses for 4+ credits with at least 2 courses in the same career cluster including at least 1 advanced CTE course	Concepts of Engineering, Engineering Design and Presentation, Scientific Research and Design
		1C	<ul style="list-style-type: none"> ▪ Algebra 2 ▪ Advanced Math ▪ Advanced Math 	<ul style="list-style-type: none"> ▪ Chemistry ▪ Physics 		PreAP PreCalculus AP Statistics/AP Calculus
		1D	<ul style="list-style-type: none"> ▪ Algebra 2 ▪ Advanced Math 	<ul style="list-style-type: none"> ▪ Chemistry ▪ Physics ▪ Advanced Science ▪ Advanced Science 		PreAP PreCalculus AP Chemistry AP Biology AP Environmental Science
		1E	<ul style="list-style-type: none"> ▪ Algebra 2 ▪ Advanced Math 	<ul style="list-style-type: none"> ▪ Chemistry ▪ Physics 	Coherent sequence of 3 additional credits from no more than 2 categories/disciplines in STEM endorsement paths A-D	PreAP PreCalculus AP Chemistry AP Biology AP Environmental Science Concepts of Engineering, Engineering Design and Presentation, Scientific Research and Design
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4. Arts & Humanities		4B	Additional Math - *Algebra 2 <ul style="list-style-type: none"> ▪ Advanced Math 	<ul style="list-style-type: none"> ▪ Advanced Science 	Four levels in same foreign language (2 beyond Foundation)	PreAP PreCalculus PreAP Chemistry and/or Physics Spanish I, II, III, AP Spanish

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5. Multi-disciplinary	⊕ Various	5A	<ul style="list-style-type: none"> ▪ Additional Math - <i>*Algebra 2</i> ▪ Advanced Math 	<ul style="list-style-type: none"> ▪ Advanced Science 	Four advanced courses from any one Endorsement area or from among multiple Endorsement areas	PreAP World Geography PreAP PreCalculus AP Statistics, AP Calculus <i>Dual Credit College Algebra?</i> PreAP Chemistry and/or Physics AP Chemistry, AP Biology, AP Environmental Science <i>Dual Credit English I?</i> Scientific Research and Design
		5B	<ul style="list-style-type: none"> ▪ Additional Math - <i>*Algebra 2</i> ▪ Advanced Math 	<ul style="list-style-type: none"> ▪ Chemistry <u>and/or</u> ▪ Physics 	English 4, Chemistry and/or Physics, <u>and</u> one credit each in Math and Social Studies	PreAP PreCalculus PreAP World Geography, AP Human Geography
		5C	<ul style="list-style-type: none"> ▪ Additional Math - <i>*Algebra 2</i> ▪ Advanced Math 	<ul style="list-style-type: none"> ▪ Advanced Science 	Four credits in AP, IB, or dual credit courses selected from English, Math, Science, Social Studies, Economics, LOTE, or Fine Arts	PreAP Chemistry or Physics AP Chemistry, AP Biology, AP Environmental Science PreAP Pre-calculus AP Statistics, AP Calculus <i>Dual Credit College Algebra?</i> AP World History, AP US History, AP Government/Economics AP Spanish AP English Language, AP English Literature <i>Dual Credit English I?</i> AP Computer Science