

# Cypress-Fairbanks ISD - The Endorsements

A student must complete the Foundation High School Program (22 credits), one additional math credit, one additional science credit, and two additional elective credits while completing the specific requirements of his/her selected endorsement.

<b>STEM</b> <i>Science, Technology, Engineering, &amp; Math</i>	<b>Business &amp; Industry</b>	<b>Public Services</b>	<b>Arts &amp; Humanities</b>	<b>Multidisciplinary Studies</b>
<p>Students may earn a STEM endorsement by selecting and completing the requirements from among these <u>5</u> options.</p> <p><b>Note:</b> Algebra II, Chemistry, and Physics are required for the STEM endorsement <u>regardless</u> of the option the student selects from below.</p> <p><b>Option 1: Computer Science (Technology)</b> Students take 4 computer science courses.</p> <ul style="list-style-type: none"> <li>• Computer Science I K</li> <li>• AP Computer Science Principles</li> <li>• Computer Science II K</li> <li>• Computer Science III K</li> <li>• Computer Science IV K</li> </ul> <p><b>Option 2: CTE (Engineering)</b> Students earn four (4) CTE credits by taking at least two (2) courses in the same cluster that lead to a final course in the STEM cluster. At least one (1) of the courses must be an advanced CTE course (3rd year or higher course in a sequence).</p> <p style="text-align: center;"><u>OR *</u></p> <p>*Students earn four (4) or more credits by taking at least three (3) courses in a TEA- approved program of study with at least one (1) advanced course (3rd year or higher in the sequence).</p> <p style="text-align: center;"><u>OR *</u></p> <p>*Students earn four (4) or more credits by taking at least three (3) courses in a TEA- approved program of study with at least one (1) advanced course (3rd year or higher in the sequence).</p> <p><b>Option 2: English</b> Students take four (4) English elective credits that include three levels in one of the following areas</p> <ul style="list-style-type: none"> <li>• Advanced Journalism: Newspaper or Yearbook</li> <li>• Debate</li> </ul>	<p>Students may earn a Business &amp; Industry endorsement by selecting and completing the requirements from among these <u>3</u> options.</p> <p><b>Option 1: CTE</b> Students earn four (4) credits by taking at least two (2) courses in the same cluster in one of the following areas</p> <ul style="list-style-type: none"> <li>• Agriculture, Food and Natural Resources</li> <li>• Architecture and Construction</li> <li>• Arts, Audio/Video Technology, and Communication</li> <li>• Business, Marketing and Finance</li> <li>• Hospitality and Tourism</li> <li>• Information Technology</li> <li>• Manufacturing</li> <li>• Transportation, Distribution, and Logistics</li> </ul> <p>with at least one (1) advanced course (3rd year or higher course in the sequence).</p> <p style="text-align: center;"><u>OR*</u></p> <p>*Students earn four (4) or more credits by taking at least three (3) courses in a TEA- approved program of study with at least one (1) advanced course (3rd year or higher in the sequence).</p>	<p>Students may earn a Public Services endorsement by selecting and completing the requirements from among these <u>2</u> options.</p> <p><b>Option 1: CTE</b> Students earn four (4) credits by taking at least two (2) courses in the same career cluster in one of the following areas</p> <ul style="list-style-type: none"> <li>• Education and Training</li> <li>• Health Science</li> <li>• Human Services</li> </ul> <p>With at least one (1) advanced course (3rd year or higher course in the sequence).</p> <p style="text-align: center;"><u>OR*</u></p> <p>*Students earn four (4) or more credits by taking at least three (3) courses in a TEA- approved program of study with at least one (1) advanced course (3rd year or higher in the sequence).</p> <p><b>Option 2: AFJROTC</b> Student takes four (4) AFJROTC courses for (4) credits.</p>	<p>Students may earn an Arts &amp; Humanities endorsement by selecting and completing the requirements from among these <u>3</u> options.</p> <p><b>Option 1: Social Studies</b> Students earn five (5) social studies credits.</p> <p><b>Option 2: Languages Other Than English (Foreign Language)</b> Students take four (4) levels of the same foreign language.</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take two (2) levels of one foreign language AND two (2) levels of a different foreign language (two levels in each of two different foreign languages for 4 credits).</p> <p><b>Option 3: Fine Arts</b> Students take four (4) courses in the same fine arts area for 4 credits</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take two (2) courses in one fine arts area AND two (2) courses in a different fine arts area (two courses in each of two different fine arts areas for 4 credits).</p>	<p>Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from among these <u>2</u> options.</p> <p><b>Option 1: Four by Four (4 X 4)</b> Students take four (4) courses in each of the four core content areas.</p> <ul style="list-style-type: none"> <li>• Four (4) English credits including English IV</li> <li>• Four (4) math credits</li> <li>• Four (4) science credits including biology and chemistry and/or physics</li> <li>• Four (4) social studies credits</li> </ul> <p><b>Option 2: AP / Dual</b> Students take four (4) Advanced Placement (AP) or four (4) Dual Credit courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take a combination of Advanced Placement (AP) or Dual credit courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p>

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<p><b>Option 3: Math</b>                      Students take Algebra I, Geometry, and Algebra II AND two (2) of the following courses for which Algebra II is a prerequisite.</p> <ul style="list-style-type: none"> <li>• Pre-Calculus</li> <li>• Calculus AB or BC</li> <li>• Statistics AP</li> <li>• AQR K</li> <li>• Advanced Algebra</li> <li>• College Algebra K</li> </ul> <p><b>Option 4: Science</b>                      Students take Biology, Chemistry, and Physics, AND two (2) of the following courses.</p> <ul style="list-style-type: none"> <li>• AP Chemistry</li> <li>• AP Biology</li> <li>• Anatomy &amp; Physiology</li> <li>• AP Environmental Science</li> <li>• AP Physics I</li> <li>• AP Physics II</li> <li>• AP Physics C</li> <li>• Aquatic Science</li> <li>• Astronomy</li> <li>• Earth &amp; Space Science</li> <li>• Environmental Systems</li> <li>• Forensic Science</li> <li>• Engineering Design &amp; Problem Solving</li> <li>• Advanced Animal Science</li> <li>• Advanced Plant and Soil Science</li> <li>• Pathophysiology</li> </ul> <p><b>Option 5: Combination</b>                      Students take Algebra II, Chemistry, and Physics, an additional math course, an additional science course, AND three (3) additional credits from Option 1 (Computer Science) and/or Option 2 (CTE) in the STEM endorsement. If the combination plan includes a CTE course, at least one (1) course must be advanced.</p>	<p><b>Option 3: Combination</b>                      Students take a coherent sequence of four (4) credits from Option 1 and 2. Combination plan must include one (1) advanced CTE course.</p>			