

## Katy ISD Endorsement Chart

STEM	Business and Industry	Public Service	Arts & Humanities	Multidisciplinary
4 Options	2 Options	2 Options	4 Options	3 Options
<p>Students may earn a Science, Technology, Engineering, and Mathematics (STEM) endorsement by selecting and completing the requirements from among these 4 options.</p> <p><b>Note:</b> Algebra II, Chemistry, and Physics are required for the STEM endorsement regardless of the option the student selects from below.</p> <p><b>Option 1: CTE</b> Complete three (3) or more courses for four (4) or more credits within the same CTE Program of Study. One of these courses must be a level 3 or 4.</p> <ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Cybersecurity</li> <li>• Engineering Foundations</li> <li>• Networking Systems</li> <li>• Robotics and Automation</li> </ul> <p style="text-align: center;"><b>OR</b></p> <p>Complete three (3) or more courses for four (4) or more credits in a TEA designated program of study related to STEM.</p> <p><b>Option 2: Math</b> Complete five (5) math credits. 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>• AP Pre-Calculus</li> <li>• AP Calculus AB</li> <li>• AP Calculus BC</li> <li>• AP Statistics</li> <li>• Multi-Variable Calculus</li> <li>• Discrete Math for Problem Solving</li> <li>• Elements of Calculus with Applications</li> <li>• Plane Trigonometry</li> <li>• College Algebra Dual Credit</li> </ul>	<p>Students may earn a Business &amp; Industry endorsement by selecting and completing the requirements from among these 2 options.</p> <p><b>Option 1: CTE</b> Complete three (3) or more courses for four (4) or more credits within the same CTE Program of Study. One of these courses must be from level 3 or 4.</p> <ul style="list-style-type: none"> <li>• Accounting and Financial Services</li> <li>• Ag Welding</li> <li>• Animal Science</li> <li>• Certified Veterinary Assistant</li> <li>• Animation</li> <li>• Architectural Drafting and Design</li> <li>• Audio Production</li> <li>• Audio/Video Production</li> <li>• Automotive and Collision Repair</li> <li>• Business Management</li> <li>• Commercial Photography</li> <li>• Computer Science</li> <li>• Computer Technician</li> <li>• Construction Management and Inspection</li> <li>• Cosmetology and Personal Care Services</li> <li>• Culinary Arts</li> <li>• Cybersecurity</li> <li>• Engineering Foundations</li> <li>• Entrepreneurship</li> <li>• Environmental &amp; Natural Resources</li> <li>• Fashion Design</li> <li>• Graphic Design</li> <li>• Marketing and Sales</li> <li>• Manufacturing Technology</li> <li>• Networking Systems</li> <li>• Plant Science</li> <li>• Real Estate Dual Credit</li> <li>• Robotics and Automation</li> <li>• Video Production</li> </ul> <p style="text-align: center;"><b>OR</b></p> <p>Complete three (3) or more courses for four (4) or more credits in a TEA designated program of study related to business and industry.</p> <p><b>Option 2: English</b> Complete four (4) English elective credits, which must include three levels in one of the following areas:</p> <ul style="list-style-type: none"> <li>• Journalism: Newspaper</li> <li>• Journalism: Yearbook</li> <li>• Speech-Debate</li> <li>• Speech-Oral Interpretation</li> </ul>	<p>Students may earn a Public Services endorsement by selecting and completing the requirements from among these 2 options.</p> <p><b>Option 1: CTE</b> Complete three (3) or more courses for four (4) or more credits within the same CTE Program of Study related to Public Service. One of these courses must be from level 3 or 4.</p> <ul style="list-style-type: none"> <li>• Clinical Rotations</li> <li>• Dental Assisting</li> <li>• Emergency Medical Technician</li> <li>• Family and Community Services</li> <li>• Law Enforcement</li> <li>• Legal Studies</li> <li>• Medical Assistant</li> <li>• Medical Assistant Dual Credit</li> <li>• Pharmacy Technician</li> <li>• Teaching and Training</li> <li>• Teaching &amp; Training Dual Credit (AAT)</li> </ul> <p style="text-align: center;"><b>OR</b></p> <p>Complete three (3) or more courses for four (4) or more credits in a TEA designated program of study related to public services.</p> <p><b>Option 2: NJROTC</b> Students complete four (4) Navy Junior Reserve Officers Training Corps (NJROC) credits.</p>	<p>Students may earn an Arts &amp; Humanities endorsement by selecting and completing the requirements from among these 4 options.</p> <p><b>Option 1: English Language Arts</b> Complete four (4) English elective credits in addition to English I, English II, English III.</p> <ul style="list-style-type: none"> <li>• English IV</li> <li>• Literary Genres</li> <li>• Creative Writing</li> <li>• Humanities</li> <li>• Communication Applications</li> <li>• AP English Literature</li> <li>• AP English Language</li> <li>• English IV Dual Credit</li> </ul> <p><b>Option 2: Fine Arts</b> complete four (4) courses in the same fine arts area for 4 credits</p> <p style="text-align: center;"><b>OR</b></p> <p>Students complete two (2) courses in one fine arts area AND two (2) courses in a different fine arts area for 4 credits</p> <ul style="list-style-type: none"> <li>• Band</li> <li>• Choir</li> <li>• Orchestra</li> <li>• Theatre</li> <li>• Art</li> <li>• Dance</li> </ul> <p><b>Option 3: Social Studies</b> Complete five (5) Social Studies credits.</p> <p><b>Option 4: Languages Other Than English (LOTE) - World Languages:</b> Complete four (4) World language credits (LOTE), which must include:</p> <ul style="list-style-type: none"> <li>• Four (4) credits in one language</li> </ul> <p style="text-align: center;"><b>OR</b></p> <ul style="list-style-type: none"> <li>• Two (2) credits in one language and two (2) credits in a second language.</li> </ul> <p style="text-align: center;"><b>OR</b></p> <p>Complete four (4) American Sign Language credits</p> <p><i>*SCIENCE Option - a student pursuing an arts and humanities endorsement may substitute a course that is not being used to satisfy another graduation requirement as an additional science. The course can be selected from one of the following areas:</i></p> <ul style="list-style-type: none"> <li>• English Language Arts and Reading</li> <li>• Social Studies</li> <li>• Languages other than English</li> <li>• Fine Arts</li> </ul>	<p>Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from among these 3 options.</p> <p><b>Option 1: 4x4 Plan</b> Complete four (4) credits in each of the four (4) core content areas.</p> <ul style="list-style-type: none"> <li>• Four (4) English credits including English IV (<b>cannot use the college prep English course to meet the English IV credit</b>)</li> <li>• Four (4) Math credits</li> <li>• Four (4) Science credits including Biology, Chemistry and/or Physics</li> <li>• Four (4) credits of Social Studies</li> </ul> <p><b>Option 2: AP, Dual Credit, and/or IB*</b> Complete four (4) Advanced Placement (AP) or four (4) Dual Credit (DC) or International Baccalaureate*(IB) credits from the areas listed below.</p> <p style="text-align: center;"><b>OR</b></p> <p>Complete a combination of Advanced Placement (AP) Dual Credit (DC) or International Baccalaureate*(IB) credit courses for four (4) credits from the areas listed below.</p> <ul style="list-style-type: none"> <li>• English Language Arts</li> <li>• Math</li> <li>• Science</li> <li>• Social Studies</li> <li>• Languages Other Than English</li> <li>• Fine Arts</li> </ul> <p><i>*International Baccalaureate (IB) not offered in Katy ISD.</i></p> <p><b>Option 3: Combination</b> Students complete a combination of four (4) or more advanced courses (<i>listed below</i>) that prepare a student to enter the workforce successfully or postsecondary education.</p> <ul style="list-style-type: none"> <li>• CTE Level 3</li> <li>• CTE Level 4</li> <li>• Katy Advanced Program (KAP)</li> <li>• Advanced Placement (AP)</li> <li>• Dual Credit (DC)</li> <li>• College Prep Math</li> <li>• College Prep English</li> </ul>

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4 Options	3 Options	2 Options	4 Options	3 Options
<p><b>Option 3: Science</b> Complete five (5) science credits. 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>• AP Physics I</li> <li>• AP Physics II</li> <li>• AP Environmental Science</li> <li>• Advanced Animal Science</li> <li>• Anatomy and Physiology</li> <li>• Anatomy and Physiology Dual Credit</li> <li>• Biology I/II Dual Credit</li> <li>• Forensic Science</li> <li>• Aquatic Science</li> <li>• Earth Systems Science</li> <li>• Earth and Space Science</li> <li>• Environmental Systems</li> <li>• Engineering Design and Problem Solving</li> </ul> <p><b>Option 4: 2x4 Plan</b> Complete four (4) math credits and four (4) science credits.</p> <p>Students take Algebra I, Geometry, Algebra II AND one (1) additional course for which Algebra II is a prerequisite.</p> <ul style="list-style-type: none"> <li>• Pre-Calculus</li> <li>• AP Pre-Calculus</li> <li>• AP Calculus AB</li> <li>• AP Calculus BC</li> <li>• AP Statistics</li> <li>• Multi-Variable Calculus</li> <li>• Discrete Math for Problem Solving</li> <li>• Elements of Calculus with Applications</li> <li>• Plane Trigonometry</li> <li>• College Algebra Dual Credit</li> </ul> <p><b>AND</b></p> <p>Complete four (4) science credits. Students take Biology, Chemistry, Physics, AND one (1) of the following courses.</p> <ul style="list-style-type: none"> <li>• AP Chemistry</li> <li>• AP Biology</li> <li>• AP Physics I</li> <li>• AP Physics II</li> <li>• AP Environmental Science</li> <li>• Advanced Animal Science</li> <li>• Anatomy and Physiology</li> <li>• Anatomy and Physiology Dual Credit</li> <li>• Biology I/II Dual Credit</li> <li>• Forensic Science</li> <li>• Aquatic Science</li> <li>• Earth Systems Science</li> <li>• Earth and Space Science</li> <li>• Environmental Systems</li> <li>• Engineering Design and Problem Solving</li> </ul>				