

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>Note: Algebra II, Chemistry, and Physics are required for the STEM endorsement regardless of the option the student selects from below.</p> <p>Option 1: CTE 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">AP CybersecurityComputer ScienceCybersecurityEngineering FoundationsNetworking SystemsRobotics and Automation <p>OR</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>Option 2: Math 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">Pre-CalculusAP Pre-CalculusAP Calculus ABAP Calculus BCAP StatisticsMulti-Variable CalculusDiscrete Math for Problem SolvingElements of Calculus with ApplicationsPlane TrigonometryCollege Algebra Dual Credit | <p>Students may earn a Business & Industry endorsement by selecting and completing the requirements from among these 2 options.</p> <p>Option 1: CTE 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">Accounting and Financial ServicesAg WeldingAnimal ScienceAP CybersecurityCertified Veterinary AssistantAnimationArchitectural Drafting and DesignAudio ProductionAudio/Video ProductionAutomotive and Collision RepairBusiness ManagementCommercial PhotographyComputer ScienceComputer TechnicianConstruction Management and InspectionCosmetology and Personal Care ServicesCulinary ArtsCybersecurityEngineering FoundationsEntrepreneurshipEnvironmental & Natural ResourcesFashion DesignGraphic DesignMarketing and SalesManufacturing TechnologyNetworking SystemsPlant ScienceReal Estate Dual CreditRobotics and AutomationVideo Production <p>OR</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>Option 2: English Complete four (4) English elective credits, which must include three levels in one of the following areas:</p> <ul style="list-style-type: none">Journalism: NewspaperJournalism: YearbookSpeech-DebateSpeech-Oral Interpretation | <p>Students may earn a Public Services endorsement by selecting and completing the requirements from among these 2 options.</p> <p>Option 1: CTE 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">Clinical RotationsDental AssistingEmergency Medical TechnicianFamily and Community ServicesLaw EnforcementLegal StudiesMedical AssistantMedical Assistant Dual CreditPharmacy TechnicianTeaching and TrainingTeaching & Training Dual Credit (AAT) <p>OR</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>Option 2: NJROTC Students complete four (4) Navy Junior Reserve Officers Training Corps (NJROC) credits.</p> | <p>Students may earn an Arts & Humanities endorsement by selecting and completing the requirements from among these 4 options.</p> <p>Option 1: English Language Arts Complete four (4) English elective credits in addition to English I, English II, English III.</p> <ul style="list-style-type: none">English IVLiterary GenresCreative WritingHumanitiesCommunication ApplicationsAP English LiteratureAP English LanguageEnglish IV Dual Credit <p>Option 2: Fine Arts complete four (4) courses in the same fine arts area for 4 credits</p> <p>OR</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">BandChoirOrchestraTheatreArtDance <p>Option 3: Social Studies Complete five (5) Social Studies credits.</p> <p>Option 4: Languages Other Than English (LOTE) - World Languages: Complete four (4) World language credits (LOTE), which must include:</p> <ul style="list-style-type: none">Four (4) credits in one language <p>OR</p> <ul style="list-style-type: none">Two (2) credits in one language and two (2) credits in a second language. <p>OR</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">English Language Arts and ReadingSocial StudiesLanguages other than EnglishFine Arts | <p>Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from among these 3 options.</p> <p>Option 1: 4x4 Plan Complete four (4) credits in each of the four (4) core content areas.</p> <ul style="list-style-type: none">Four (4) English credits including English IV (cannot use the college prep English course to meet the English IV credit)Four (4) Math creditsFour (4) Science credits including Biology, Chemistry and/or PhysicsFour (4) credits of Social Studies <p>Option 2: AP, Dual Credit, and/or IB* Complete four (4) Advanced Placement (AP) or four (4) Dual Credit (DC) or International Baccalaureate*(IB) credits from the areas listed below.</p> <p>OR</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">English Language ArtsMathScienceSocial StudiesLanguages Other Than EnglishFine Arts <p><i>*International Baccalaureate (IB) not offered in Katy ISD.</i></p> <p>Option 3: Combination 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">CTE Level 3CTE Level 4Katy Advanced Program (KAP)Advanced Placement (AP)Dual Credit (DC)College Prep MathCollege Prep English |

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|--|-----------------------|----------------|-------------------|-------------------|
| 4 Options | 3 Options | 2 Options | 4 Options | 3 Options |
| <p>Option 3: Science 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">• AP Chemistry• AP Biology• AP Physics I• AP Physics II• AP Environmental Science• Advanced Animal Science• Anatomy and Physiology• Anatomy and Physiology Dual Credit• Biology I/II Dual Credit• Forensic Science• Aquatic Science• Earth Systems Science• Earth and Space Science• Environmental Systems• Engineering Design and Problem Solving <p>Option 4: 2x4 Plan 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">• Pre-Calculus• AP Pre-Calculus• AP Calculus AB• AP Calculus BC• AP Statistics• Multi-Variable Calculus• Discrete Math for Problem Solving• Elements of Calculus with Applications• Plane Trigonometry• College Algebra Dual Credit <p>AND</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">• AP Chemistry• AP Biology• AP Physics I• AP Physics II• AP Environmental Science• Advanced Animal Science• Anatomy and Physiology• Anatomy and Physiology Dual Credit• Biology I/II Dual Credit• Forensic Science• Aquatic Science• Earth Systems Science• Earth and Space Science• Environmental Systems• Engineering Design and Problem Solving | | | | |