Endorsement Pathways

The endorsement pathways listed below are for illustration purposes. Students do not need to take every course listed under each sequence, nor are these prescribed sequences for students – these are recommended sequences only. There are *many* options in each endorsement and in each pathway. The default graduation plan for all FISD students leads to the Distinguished Level of Achievement, which requires Alg. II to be in the math sequence of the student's endorsement plan.

ARTS & HUMANITIES ENDORSEMENT

Unless noted, this endorsement can be earned with 4 credits in a coherent sequence. Please view the FISD Course Catalog for prerequisites and other specifics.

1st Course in Sequence	2nd Course in Sequence	3rd Course in Sequence	4th Course in Sequence
Fine Arts – Art			
• Art 1 or Art 1 Advanced (Class of 2018 & Beyond) • 3D Modeling & Animation (Fine Arts Credit, Technology Credit)	• Art 2 • Art 2 Advanced • AP Art – Drawing • Art 2 – Ceramics	• Art 3 • AP Art – 2D or 3D • AP Art – Drawing • IB Visual Art	• Art 4 • AP Art – 3D • AP Art History • IB Visual Art
Fine Arts – Dance			
• Dance 1	• Dance 2	• Dance 3	• Dance 4
Language			
• Spanish 1 • French 1 • Chinese 1 • ASL 1	• Spanish 2 or Spanish 2 Advanced • French 2 or French 2 Advanced • Chinese 2 • ASL 2	• Spanish 3 or Spanish 3 Advanced • French 3 or French 3 Advanced • Chinese 3 Advanced • IB Spanish • IB French	• AP Spanish 4 • AP French 4 • Chinese 4 • IB Spanish • IB French
Fine Arts – Music			
• Band 1 • Orchestra 1 • Choir 1	• Band 2 • Orchestra 2 • Choir 2	• Band 3 • Orchestra 3 • Choir 3 • IB Music	• Band 4 • Orchestra 4 • Choir 4 • IB Music
Social Studies – ***Students must earn 5 total credits in Social Studies (the required social studies courses for graduation.)***			
• World Geography • AP Human Geography	• World History OR AP World History • GT Humanities II / AP World History • AP Seminar	• US History or AP US History or Dual Credit US History I & II • Psychology (1/2) or AP Psychology (1/2) or Sociology (1/2) or dual credit psychology • AP European History • AP Seminar • GT American Studies/ AP US History • IB Psychology • IB History	• US Government (1/2) or AP US Government (1/2) • Economics (1/2) or AP Economics (1/2) • Dual Credit US. Govt. (1/2) & Dual Credit Economics (1/2) • AP Seminar • IB History
Fine Arts – Theatre			
• Theatre Arts 1 • Tech Theater 1	• Theatre Arts 2 / Theatre Production 1 • Tech Theater 2	• Theatre Arts 3 / Theatre Production 2 • Tech Theater 3	• Theatre Arts 4 / Theatre Production 3 • Tech Theater 4

BUSINESS & INDUSTRY ENDORSEMENT

Unless noted, this endorsement can be earned with 4 credits in a coherent sequence with at least one advanced course. Underlined courses are considered advanced courses. Please view the FISD Course Catalog for prerequisites and other specifics.

1st Course in Sequence	2nd Course in Sequence	3rd Course in Sequence	4th Course in Sequence
Advanced Journalism			
• Journalism or Photojournalism (Technology Credit) • Audio Video Production I (Technology Credit) • Debate 1 (Speech Credit)	• Yearbook 1 • Newspaper 1 • Audio Video Production II • Debate 2	• Yearbook 2 • Newspaper 2 • Practicum News Production I (2) • Practicum in Sports Broadcasting I @CTEC • Debate 3 • Adv Public Speaking	• Yearbook 3 • Newspaper 3 • Practicum News Production II (2) • Practicum in Sports Broadcasting II @CTEC • Adv Public Speaking
Agriculture, Food & Natural Resource – Agricultural Technology and Mechanical Systems (Ag Mech)			
• Agricultural Mechanics & Metal Technologies (1) • Survey of Ag, Food & Natural Res (1)	• Ag Structures Design & Fabrication (1)	• CTEC – Ag Equipment Design & Fabrication (1)	• CTEC – Practicum In Ag Structures & Equipment (2) Internship
Agriculture, Food & Natural Resources – Animal Science			
• Survey of Agriculture, Food & Natural Resources (1)	• Equine Science (1/2) • Small Animal Management (1/2) • Livestock Production (1)	• CTEC – Veterinary Medical Applications (1)	• CTEC – Animal Science (1) (Science Credit) • CTEC – Practicum in Vet Med Apps (2) Internship
Agriculture, Food & Natural Resource – Plant Science			
• Survey of Agriculture, Food & Natural Resources (1)	• Floral Design I (1) (Fine Arts Credit) • CTEC – Horticulture Science (1) • CTEC – Landscape Design and Mgmt. (1/2)	• CTEC –Floral Design II (1) • CTEC – Greenhouse Operation & Production (1)	• CTEC – Plant & Soil Science (1) (Science Credit) • CTEC- Practicum in Floriculture and Horticulture (2) Internship
Architecture & Construction – Architectural Drafting and Design			
• CTEC –Survey of Architecture I (1) (Technology Credit)	• CTEC –Survey of Architecture II (1) • Interior Design I (1)	• CTEC – Architectural Design I Level 3 (1)	• CTEC –Architectural Design II Level 4 (2) Internship
Arts, AV Technology & Communication – Digital Communications			
• Audio/Video Production I (1) (Technology Credit)	• Audio/Video Production II (1)	• Practicum in News Production I (2) • CTEC – Practicum in Sports Broadcasting I (2)	• Practicum in News Production II (2) • CTEC – Practicum in Sports Broadcasting II (2)
Arts, AV Technology & Communication – Graphic Design Focus			
• Digital Media (1) (Technology Credit)	• CTEC – Graphic Design & Illustration I (2)	• CTEC – Graphic Design & Illustration II (2)	• CTEC – Pract in Graphic Design & Illustration (2) Internship
Arts, AV Technology & Communication – Interactive Media (Animation Focus)			
• 3D Modeling & Animation (1) (Fine Arts Credit, Technology Credit)	• CTEC – Animation I (2)	• CTEC – Animation II (2)	• CTEC – Practicum in Animation (2)

Arts, AV Technology & Communication – Interactive Media (Esports Focus)			
• 3D Modeling & Animation (1) (Fine Arts Credit, Technology Credit) • Digital Media (1) (Technology Credit)	• Introduction to Esports (1)	• Esports Management (1)	• Esports Business and Production (1)
Arts, AV Technology & Communication – Interactive Media (Fashion Design Focus)			
• Digital Media (1) (Technology Credit)	• Fashion Design I (1)	• Fashion Design II (1)	• 3D Modeling & Animation (1) (Fine Arts Credit, Technology Credit)
Business Marketing & Finance – Accounting & Financial Services			
• Survey of Business, Marketing & Finance (1) • Business Information Management I (1) (Technology Credit)	• Accounting I (1) • Banking & Financial Services (1/2)	• CTEC – Accounting II (1) • CTEC – Money Matters (1)	• CTEC – Securities & Investments (1)
Business Marketing & Finance – Marketing & Sales			
• Survey of Business, Marketing & Finance (1) • Fashion Marketing (1/2) • Social Media Marketing (1/2) • Advertising (1/2) • Digital Media (1) (Technology Credit)	• Sports & Entertainment Marketing (1/2) • Entrepreneurship (1) or INCubatoredu (1) @ CHS, EHS, FHS, HHS, LSHS	• CTEC - Practicum in Marketing I (2) Work-Based Learning • Accelerator (1) @ CHS, EHS, FHS, HHS, LSHS	• CTEC – Practicum in Marketing II (2) Work-Based • CTEC – Sports Management (2) @WHS Articulated Credit/Internship
Business Marketing & Finance – Entrepreneurship			
• Survey of Business, Marketing & Finance (1) • Business Information Management I (1) (Technology Credit)	• Entrepreneurship (1) • INCubatoredu @ CHS, EHS, FHS, HHS, LSHS	• CTEC - Practicum in Marketing I (2) Work-Based Learning • ACCELeratoredu @ CHS, EHS, FHS, HHS, LSHS (1)	• CTEC – Practicum in Marketing II (2) Work-Based
Hospitality & Tourism – Culinary Arts			
• Survey of Hospitality & Tourism (1)	• Introduction to Culinary Arts (1)	• CTEC – Culinary Arts I (2)	• CTEC –Culinary Arts II(2) • Food Science (1) (Science Credit)
Hospitality & Tourism – Lodging & Resort Management			
• Survey of Hospitality & Tourism (1)	• CTEC – Hotel Management (1) • Travel & Tourism Management (1)	• CTEC – Hospitality Services (2)	• CTEC – Practicum in Hospitality Services (2) Internship
Hospitality & Tourism – Travel, Tourium, and Attractions			
• Survey of Hospitality & Tourism (1)	• Travel & Tourism Management (1) • CTEC – Hotel Management (1) • Entrepreneurship (1) • Introduction to Culinary Arts (1)	• CTEC – Hospitality Services (2) • Global Business (1/2) • Sports & Entertainment Marketing (1/2)	• CTEC – Practicum in Hospitality Services (2) Internship
Information Technology – Cybersecurity			
• Computer Maintenance (1) (Technology Credit) Articulated Credit • Computer Science I or Computer Science Advanced (1)	• CTEC – Cybersecurity (1) • CTEC – Internet Working I (CISCO 1) Articulated Credit • AP Computer Science A (2)	• CTEC – Internet Working II (CISCO 2 & 3) Dual Credit	• CTEC- Practicum in Information Technology (2) Work Based Learning

• (Technology Credit) • AP Computer Science Principles (1)			
Information Technology – Information Technology Support and Services			
• Computer Maintenance (1) (Technology Credit) Articulated Credit	• CTEC – Cybersecurity (1) • CTEC – Internet Working I (CISCO 1) Articulated Credit	• CTEC – Internet Working II (CISCO 2 & 3) Dual Credit	• CTEC- Practicum in Information Technology (2) Work Based Learning
Information Technology – Networking Systems			
• Computer Science I or Computer Science Advanced (1) (Technology Credit) • AP Computer Science Principles (1) • Computer Maintenance (1) (Technology Credit) Articulated Credit	• CTEC – Internet Working I (CISCO 1) Articulated Credit •	• CTEC – Internet Working II (CISCO 2 & 3) Dual Credit	• CTEC- Practicum in Information Technology (2) Work Based Learning
Information Technology – Programing and Software			
• Computer Science I or Computer Science Advanced (1) (Technology Credit) • AP computer Science Principles (1)	• AP Computer Science A (2) • CTEC* – Video Game Programming I (1)	• Computer Science III Advanced (1)) • CTEC* – Video Game Programming II (1)	• CTEC – Mobile Application Programming I (1) • CTEC* – Video Game Programming III
Information Technology – Web Development			
• Digital Media (1) (Technology Credit) • Computer Science I (1)	• CTEC – Web Design (1)	• Introduction to Esports (1)	• Esports Management (1)

MULTIDISCIPLINARY ENDORSEMENT

This is one recommended approach for this endorsement. Please view the FISD Course Catalog for prerequisites and other specifics.

1st Course in Sequence	2nd Course in Sequence	3rd Course in Sequence	4th Course in Sequence
Core Courses – 16 total credits; select one credit from each core area in each sequence box must meet prerequisites for each course in sequence (Dual Credit Courses in these areas count towards the requirements, see catalog for all options and courses)			
• English 1 / English 1 Advanced • GT Humanities I	• English 2 / English 2 Advanced	• English 3 / AP English Language / Dual Credit	• English 4 / AP English Literature / Dual Credit • College Readiness English
• Biology / Biology Advanced	• Chemistry / Chemistry Advanced	• Physics / AP Physics 1 /	• AP Physics 2 / AP Physics C / Dual Credit • AP Biology • AP Chemistry • Other 4th Science (See STEM)
• Algebra 1 / Algebra 1 Advanced	• Geometry / Geometry Advanced	• Algebra 2 / Algebra 2 Advanced	• AP Precalculus • AP Statistics • Dual Credit • Other 4th Math (See STEM)
• World Geography • AP Human Geography	• World History / AP World History • GT Humanities II	• US History / AP US History / Dual Credit • GT American Studies / AP US History	• Government (1/2) & Economics (1/2) • AP / Dual Credit Government (1/2) & AP / Dual Credit

		• IB History	• Economics (1/2) • IB History

PUBLIC SERVICE ENDORSEMENT

Unless noted, this endorsement can be earned with 4 credits in a coherent sequence with at least one advanced course. Underlined courses are considered advanced courses. Please view the FISD Course Catalog for prerequisites and other specifics.

1st Course in Sequence	2nd Course in Sequence	3rd Course in Sequence	4th Course in Sequence
Education & Training – Early Learning			
• Survey of Education & Training (1)	• Child Development (1)	• CTEC – Child Guidance (2) Internship	• CTEC – Practicum in Child Guidance(2) Internship
Education & Training – Teaching and Training			
• Survey of Education & Training (1)	• Child Development (1)	• CTEC –Education & Training (2) Internship	• CTEC – Practicum in Education & Training (2) Internship
Health Science – Biomedical Science			
• Medical Terminology (1)	• Health Science (1) (Health Credit) Articulated Credit • Anatomy & Physiology (1)	Choose any two to complete as Level 3 or 4: • CTEC – Pathophysiology (1) (Science Credit) • CTEC – Medical Microbiology (1) (Science Credit) • CC- Pharmacy Technician (2) Dual Credit • CC- Rehabilitation Aide (2) Dual Credit • CC- Medical Scribe (2) Dual Credit	
Health Science – Diagnostic & Therapeutic Services or Nursing Science			
• Medical Terminology (1)	• Health Science (1) (Health Credit) Articulated Credit • Anatomy & Physiology (1)	• Health Science Clinical (2) Dual Credit / Internship • CTEC – Pathophysiology (1) (Science Credit) • CTEC – Medical Microbiology (1) (Science Credit) • CC- Rehabilitation Aide (2) Dual Credit • CC- Medical Scribe (2) Dual Credit	• CC-Practicum in Health Science (2) Dual Credit • CC- Pharmacy Technician (2) Dual Credit • FISD- Pharmacology (2) • CC-Emergency Medical Technician (2)^ Dual Credit ^only in Diagnostic Program of Study
Law & Public Service – Government and Public Administration			
• CTEC – Survey of Gov't & Public Admin (1)	• CTEC – Political Science (1)	• CTEC – Mock Trial (1) • *CTEC – Dimensions of Diplomacy(1)*	• CTEC – Practicum in Government (2) Internship
Law & Public Service – Law Enforcement			
• CTEC – Survey of Law, Public Safety, Corrections & Security (1)	• CTEC – Law Enforcement I (1)	• CTEC - Law Enforcement II (1)	• CTEC – Forensic Science (1) (Science Credit)

STEM (Science, Technology, Engineering, and Math) ENDORSEMENT

Unless noted, this endorsement can be earned with 4 credits in a coherent sequence. Please view the FISD Course Catalog for prerequisites and other specifics.

1st Course in Sequence	2nd Course in Sequence	3rd Course in Sequence	4th Course in Sequence
STEM – Engineering (Project Lead The Way)			

• CTEC – PLTW – Introduction to Engineering Design (1) (Technology Credit)	• CTEC – PLTW – Principles of Engineering (1) • CTEC – PLTW – Civil Engineering & Architecture (1)	• CTEC – PLTW - Digital Electronics (1) • CTEC – PLTW – Aerospace Engineering (1) • ~~CTEC – PLTW – Civil Engineering & Architecture (1)~~	• CTEC – PLTW – Engineering Design & Development (1)
Information Technology – Information Technology Support and Services			
• Computer Maintenance (1) (Technology Credit) Articulated Credit	• CTEC – Cybersecurity (1) • CTEC – Internet Working I (CISCO 1) Articulated Credit	• CTEC – Internet Working II (CISCO 2 & 3) Dual Credit	• CTEC- Practicum in Information Technology (2) Work Based Learning
Information Technology – Networking Systems			
• Computer Science I or Computer Science Advanced (1) (Technology Credit) • AP Computer Science Principles (1)** • Computer Maintenance (1) (Technology Credit) Articulated Credit	• CTEC – Internet Working I (CISCO 1) Articulated Credit •	• CTEC – Internet Working II (CISCO 2 & 3) Dual Credit	• CTEC- Practicum in Information Technology (2) Work Based Learning
STEM – Programming & Software Development			
• Computer Science I or Computer Science Advanced (1) (Technology Credit) • AP computer Science Principles (1)** **Students may choose AP Computer Science Principles as a precursor to the first course in the Programming and Software pathway and earn the endorsement with 4 credits in the sequence.	• AP Computer Science A (2) • CTEC* – Video Game Programming I (1)	• Computer Science III Advanced (1)) • CTEC* – Video Game Programming II (1)	• CTEC – Mobile Application Programming I (1) • CTEC* – Video Game Programming III
Information Technology – Web Development			
• Digital Media (1) (Technology Credit) • Computer Science I (1)	• CTEC – Web Design (1)	• Introduction to Esports (1)	• Esports Management (1)
Math – ***5 Total Math Credits*** ***(Completion of TWO additional math courses AFTER completion of Algebra 2) – must meet prerequisites for math courses - In addition to Chemistry & Physics***			
• Algebra 1 Adv /Algebra 1	• Algebra 2 / Algebra 2 Advanced • Geometry / Geometry Advanced • AP Computer Science A	• AP Statistics • Pre-Calculus / Pre-Calculus Advanced	• College Algebra (1/2) / Statistics (1/2) Dual Credit • AP Calculus AB • AP Calculus BC • Dual Credit Multivariable Calculus
Science – ***5 Total Science Credits*** ***(Completion of TWO additional science courses AFTER completion of Physics)*** – **In addition to Algebra 2**			
• Biology / Biology Advanced	• Chemistry / Chemistry Advanced • Anatomy & Physiology • Physics / AP Physics 1	• Environmental Systems • AP Environmental Science • AP Biology • AP Chemistry • Earth & Space Science • IB Physics • IB Biology • Dual Credit	• AP Physics B • AP Physics C • CTEC-Medical Microbiology (1) • CTEC – Pathophysiology (1) • Forensic Science • Animal Science • Food Science • IB Physics • IB Biology • Dual Credit