



HB5 Fisd Graduation Requirements

ENDORSEMENTS & Programs of Study

ARTS & HUMANITIES:

- Art
- Music
- Dance
- Languages Other Than English
- Social Studies (x 5 credits)
- Theater

BUSINESS & INDUSTRY:

- Agriculture,
- Arts, AV Technology, & Comm.
- Business, Management & Administration
- Construction
- Hospitality & Tourism
- Transportation & Logistics (Auto)

PUBLIC SERVICES:

- Education & Training
- Government (ROTC)
- Health Science
- Law Enforcement

STEM:

- Science (x 5 credits)
- Engineering
- Math (x 5 credits)

*NEED Chemistry / Physics / Algebra 2

MULTIDISCIPLINARY STUDIES:

- 4 advanced courses from other endorsement areas OR
- 4 credits in each foundation subject area, including English IV and chemistry and/or physics (4 x 4) OR
- 4 credits in Advanced Placement or dual credit selected from English, mathematics, science, social studies, economics, LOTE or fine arts

FOUNDATION w/ENDORSEMENT 26 Credits

◆ English (4 Credits)

English 1, 2, 3, 4

◆ Math (4 credits)

Algebra 1, Geometry and 2 Advanced Math courses

* Students must take Algebra 2 IF they are in the top 10%

◆ Science (4 credits)

Biology, IPC /Chemistry / Physics, and 2 Advanced Science courses

◆ Social Studies (3 Credits)

World Geography and/or World History, US History, US Government/Economics

◆ Languages Other Than English (2 credits)

French, German, or Spanish

◆ Physical Education (1 credit)

PE, Athletics, Marching Band (2 semesters), Cheer, ROTC

◆ Fine Arts (1 credit)

Art, Band, Choir, Floral Design, Theater, Red Hots

◆ Speech (1/2 credit)

◆ Electives (6.5 credits)

4 credits must be in one Endorsement area

DISTINGUISHED LEVEL OF ACHIEVEMENT

A student must successfully complete the curriculum requirements for at least one endorsement, including 4 credits in Science, and 4 credits in Math (must include Algebra 2). These requirements are necessary for top 10% Automatic University Admissions.

PERFORMANCE ACKNOWLEDGEMENTS

This may be earned on his/her diploma and transcript for outstanding performance on any of the following:

- Completing 12+ hours of college coursework, including dual credit and advanced technical credit
- Score of 3, 4 or 5 on an AP Exam
- Qualifying score on PSAT, SAT or ACT
- Bilingualism / Biliteracy
- Earning a nationally or internationally recognized industry certification

FHS Counselors Information

830.997.7551

Joel Bush

joelb@fisd.org

Alpha: A - D

Jenny Immel

jennyi@fisd.org

Alpha: E—L

AP

Kandis Pyka

kandisp@fisd.org

Alpha: M—R

Dual Credit

Kathie Hardison

kathieh@fisd.org

Alpha: S—Z

SAT/ PSAT Testing

Registrar: Kathryn Shepherd

kathryns@fisd.org

Secretary: Tina Reavis

tinar@fisd.org

Courses Related to the ARTS & HUMANITIES Program of Study

Art:

- Art 1, 2, 3 & 4
- Floral Design
- AP Studio Art: Drawing Portfolio
 - Teacher approval is needed.
- Intro to Art DC (1 sem.)

Dance:

- Red Hotts 1, 2, 3 & 4
 - Tryouts are required

Languages Other Than English (LOTE):

- French 1, 2, 3 & 4
- German 1, 2, 3 & 4
- Spanish 1, 2, 3 & 4

Music:

- Band 1, 2, 3 & 4
- Applied Music 1, 2, 3 & 4
 - Teacher approval is needed.
- AP Music Theory
 - Teacher approval is needed.
 - Student must be at least a junior.
- Jazz Band 1, 2, 3 & 4
- Choir 1, 2, 3 & 4
- Colorguard 1, 2, 3 & 4
- Music Appreciation DC (1 sem.)

Social Studies (NEED 5 credits):

- World Geography or PAP World Geography
- World History or AP World History
- US History, OnRamps US History or Dual Credit US History
- Government, AP Government or Dual Credit Government (1 sem.)
- Economics, AP Economics or Dual Credit Economics (1 sem.)
- AP Human Geography *
- AP European History *
- AP Psychology & Dual Credit Psychology (1 sem.)
- Sociology (1 sem.)
- Special Topics in Social Studies 1 & 2 (1 sem.)
- Personal Financial Literacy

Theater:

- Theater Arts 1, 2, 3 & 4
 - One Act for 10th through 12th graders...Tryouts
- Theater Productions 1, 2, 3 & 4

* Course is offered on a rotation.

Courses Related to the BUSINESS & INDUSTRY Program of Study Cont'd

Agriculture:

AGRIBUSINESS:

- L1: Principles of Agriculture
- L2: Judging 1 – Professional Standards in Ag
- L3: Judging 2 – Agribusiness Management
- L4: Judging 3 – Ag Leadership
- L4: Practicum in Agriculture – 1st time (2 periods)
- L4: Practicum in Agriculture – 2nd time (2 periods)
- L4: Extended Practicum in Ag – 1st time (3 periods)
- Seniors only!

ANIMAL SCIENCE:

- L1: Principles of Agriculture
- L3: Livestock Production
- L4: Advanced Animal Science –SCIENCE Credit
- L4: Veterinary Medical Applications
- L4: Practicum in Agriculture—1st time (2 periods)
- L4: Practicum in Agriculture – 2nd time (2 periods)
- L4: EXT Practicum in Ag – 2nd time taken (3 periods)
- Seniors only!

APPLIED AGRICULTURAL ENGINEERING:

- L1: Principles of Agriculture
- L3: Ag Welding 1 – Ag Structure, Design & Fabrication
- L4: Ag Welding 2 – Ag Equipment, Design & Fabrication (2 periods)
- L4: Practicum in Agriculture – 1st time (2 periods)
- L4: Practicum in Agriculture – 2nd time (2 periods)
- L4: EXT Practicum in Ag – 2nd time taken (3 periods)
- Seniors only!

FOOD SCIENCE AND TECHNOLOGY:

- L1: Principles of Agriculture
- L2: Foods of Texas – Food Technology
- L3: Butchering 101 – Food Processing (2 periods)
- L4: Practicum in Agriculture - 1st time (2 periods)
- L4: Practicum in Agriculture – 2nd time (2 periods)
- L4: EXT Practicum in Ag – 2nd time taken (3 periods)
- Seniors only!

PLANT SCIENCE:

- L1: Principles of Agriculture
- ~~L2: Landscape Design & Management (@FMS)~~
- ~~L2: Turf Grass Management (@FMS)~~
- L2: Greenhouse Operations & Production
- L3: Floral Design - FINE ARTS Credit
- L4: Advanced Floral Design
- L4: Advanced Plant & Soil Science - SCIENCE Credit
- L4: Practicum in Agriculture 1st time (2 periods)
- L4: Practicum in Agriculture – 2nd time (2 periods)
- L4: EXT Practicum in Ag – 2nd time taken (3 periods)
- Seniors only!

Business Management & Administration:

ACCOUNTING & FINANCIAL SERVICES:

- L1: Principles of Business, Marketing & Finance
- ~~L1: Business Information Management 1 (@FMS)~~
- L2: Accounting 1
- L2: Financial Mathematics
- L3: Accounting 2 - MATH Credit
- L4: Practicum in Entrepreneurship (2 periods)
- L4: Career Prep 1 & 2

ENTREPRENEURSHIP:

- L1: Principles of Business, Marketing & Finance
- ~~L1: Business Information Management 1 (@FMS)~~
- L2: Entrepreneurship 1
- L3: Entrepreneurship 2
- L4: Practicum in Entrepreneurship (2 periods)
- L4: Career Prep 1 & 2

MARKETING AND SALES:

- L1: Principles of Business, Marketing & Finance
- L2: Sports and Entertainment Marketing (1 sem.)
- L3: Social Media Marketing (1 sem.)
- L3: Retail Management
- L3: Statistics & Business Decision Making—MATH Credit
- L4: Practicum in Entrepreneurship (2 periods)
- L4: Career Prep 1 & 2

- Vocational Experience 1 / 2 / 3
- SPED Students only.

Arts, A/V Technology & Communications:

DESIGN AND MULTIMEDIA ARTS

- L2: Commercial Photography—Photojournalism (1 sem.)
- L2: Graphic Design & Illustration 1 – Yearbook 1
- L3: Graphic Design & Illustration 2 – Yearbook 2
- L4: Practicum in Graphic Design – Yearbook 3

DIGITAL COMMUNICATIONS:

- L1: Principles of Art, A/V Technology & Communications
- L2: Audio/Video Productions 1
- L3: Audio/Video Productions 2
- L4: Practicum in A/V Productions (2 periods)

PRINTING AND IMAGING:

- L1: Journalism (1 sem.)
- L2: Printing & Imaging Technology 1 – Newspaper 1
- L3: Printing & Imaging Technology 2 – Newspaper 2
- L4: Practicum in Printing & Imaging Tech – Newspaper 3

Courses Related to the BUSINESS & INDUSTRY Program of Study Cont'd:

Construction:

CARPENTRY:

- L1: Introduction to Trades (Automotive/Construction/Welding)
- L2: Construction Technology 1 (2 periods)
- L3: Construction Technology 2 (2 periods)
- L3: Mill & Cabinetmaking
- L4: Practicum in Construction (2 periods)
- L4: Career Prep 1 & 2

Auto Tech:

AUTOMOTIVE:

- L2: Introduction to Trades (Automotive/Construction/Welding)
- L3: Auto Tech 1 (2 periods)
- L4: Auto Tech 2 (2 periods)
- L4: Practicum in Transportation (2 periods)
- L4: Career Prep 1 & 2

Hospitality & Tourism :

CULINARY ARTS:

- L1: Principles of Hospitality (1 sem.)
- L1: Intro to Culinary Arts (1 sem.)
- L2: Culinary Arts
- L3: Advanced Culinary Arts (2 periods)
- L4: Food Science—SCIENCE credit
- L4: Practicum in Entrepreneurship (2 periods)
- L4: Career Prep 1 & 2

TRAVEL, TOURISM AND ATTRACTIONS:

- L1: Principles of Hospitality (1 sem.)
- L2: Sports & Entertainment Marketing (1 sem.)
- L2: Entrepreneurship 1
- L4: Practicum in Entrepreneurship (2 periods)
- L4: Career Prep 1 & 2

Courses Related to the STEM Program of Study

Students must also take Algebra 2, Chemistry & Physics to earn this endorsement

Math (NEED 5 credits):

- Accounting 2
 - Prerequisite: Accounting 1
- Algebra 1
 - Basic Algebra 1 — SPED only
- Algebra 2 or PAP Algebra 2
- Geometry or PAP Geometry
 - Basic Geometry — SPED only
- Basic Math Models — SPED only
- Pre-Calculus, PAP Pre-Calculus or DC Pre-Calculus
- Financial Mathematics
- College Prep Math
- AP Calculus
- Statistics
 - Basic Statistics—SPED only
- College Algebra Dual Credit (1 sem)

Engineering:

ENGINEERING:

- L1: Principles of Applied Engineering
- L3: Engineering Design & Presentation 1
- L4: Engineering Design & Presentation 2 (2 periods)
- L4: Engineering Design & Problem Solving (Science credit)
- L4: Scientific Research & Design 1 (Science credit)
- L4: Scientific Research & Design 2

ADDITIONAL ELECTIVE WITH NO ENDORSEMENT:

- Intermediate Computer Aided Design & Drafting (ICADD)

Science (NEED 5 credits):

- AP Environmental Science
- Advanced Animal Science
- Advanced Plant & Soil Science
- Anatomy & Physiology
- Biology or PAP Biology
 - Modified Biology - SPED only
- Chemistry or PAP Chemistry
- Engineering Design & Problem Solving
- Food Science
- Forensic Science
- Integrated Physics & Chemistry (IPC)
- OnRamps Biology
- OnRamps Chemistry
- Physics or OnRamps Physics 1
- Scientific Research & Design
- Dual Credit Astronomy

Courses Related to the PUBLIC SERVICES Program of Study

Health Science:

EMERGENCY MEDICAL TECHNICIAN / HEALTHCARE DIAGNOSTICS / HEALTHCARE THERAPEUTIC / MEDICAL THERAPY:

- L1: Principles of Health Science
- L2: Medical Terminology (1 sem.)
- L3: Health Science Theory/Clinical (2 periods)
- L4: Pharmacology (1 sem.)
- L4: Anatomy and Physiology – SCIENCE credit
- L4: Practicum in Health Science (2 periods)
 - Patient Care Tech or Pharmacy Tech
- L4: Practicum in Health Science (2 periods)
 - EMT

Law Enforcement:

LAW ENFORCEMENT:

- L2: Law Enforcement 1
- L2: Criminal Investigations (Dispatch – 2 periods)
- L3: Law Enforcement 2
- L4: Forensic Science (Science credit)
- L4: Practicum in Law Enforcement (2 periods)

Education & Training:

TEACHING AND TRAINING:

- L1: Principles of Education (1 sem.)
- ~~L1: Principles of Human Services (@ FMS)~~
- L2: Human Growth & Development
- L3: Instructional Practices
- L4: Practicum in Education 1 (2 periods)
- L4: Practicum in Education 2 (2 periods)
- L4: EXT Practicum in Education 1 (2 periods)
- L4: EXT Practicum in Education 2 (3 periods)
- L4: Career Prep 1 & 2

Government & Public Administration:

- NJROTC 1 (Career Planning / Physical Education)
- NJROTC 2 (Sea Power / WW1 / WW2)
- NJROTC 3 (Navy Weapons / Laser Weapons)
- NJROTC 4 (Leadership / Communication)
 - ASVAB test is offered to all 10th–12th graders

English Courses

- English 1 and PAP English 1
 - ELL Learners: ESOL 1
 - SPED Students: Modified English 1
- English 2 and PAP English 2
 - ELL Learners: ESOL 12
 - SPED Students: Modified English 2
- English 3, AP English 3 and DC English 3
 - SPED Students: Modified English 3
- English 4, AP English 4 and DC English 4
 - SPED Students: Modified English 4

Physical Education Courses

Athletic Options:

FEMALE ATHLETES:

- Basketball (9th / JV / Varsity)
- Cheerleading (JV / Varsity)
- Cross Country (JV / Varsity)
- Golf (JV / Varsity)
- Soccer (9th / JV / Varsity)
- Softball (JV / Varsity)
- Swim (JV / Varsity)
- Tennis (JV / Varsity)
- Track (JV / Varsity)
- Volleyball (9th / JV / Varsity)

MALE ATHLETES:

- Baseball (9th / JV / Varsity)
- Basketball (9th / JV / Varsity)
- Cheerleading (JV / Varsity)
- Cross Country (JV / Varsity)
- Football (9th / JV / Varsity)
- Golf (JV / Varsity)
- Soccer (JV / Varsity)
- Swim (JV / Varsity)
- Tennis (JV / Varsity)
- Track (JV / Varsity)

P. E. Options:

- PE 1: Foundations of Personal Fitness
- PE 2: Aerobic Activity
- PE 3: Individual / Team Activity
- PE 4: Adventure / Outdoor

- Athletic Trainer

- Red Hotts—Drill Team
 - Will be reviewed before a student's Senior year.

- ROTC 1

One Semester Courses

College Algebra (DC)

College Transitions

Economics (Regular / AP / DC)

Government (Regular / AP / DC)

Introduction to Art Appreciation (DC)

Introduction to Culinary Arts

Journalism

Medical Terminology

Music Appreciation (DC)

Pharmacology

Photojournalism

Principles of Education

Principles of Hospitality

Psychology (AP / DC)

SAT / ACT Preparation

Social Media Marketing

Sociology

Special Topics in Social Studies 1 & 2 (DC)

Speech (required for Graduation)

Sports & Entertainment Marketing

Work Program Criteria

- Must have at least two spots available in schedule: Career Prep (classroom portion) and Career Lab (off-campus work portion)
- Student must be 16 years of age and have their own transportation.
- Students are not allowed to hang out on campus during their Career Prep periods.
- Student is required to work at least 15 hours each week (Sunday—Saturday).
- Parent may not sign off on hours.

Additional Courses Offered @ FHS

- College Prep English (1 sem.): TSI Readiness
- College Prep Math (1 sem): TSI Readiness
- College Transitions (1 sem)
- Reading Improvement: iLit 1, 2 and 3
- Math Lab: prepare for STAAR (HB4545)
- Speech (Graduation Requirement)
- SAT / ACT Prep (1 sem)
- Fundamentals of Computer Science (@FMS)
- Learning Lab (Counselors Approval only)
- Student Aide—SENIORS only
- Career Lab w/Career Prep
- Mentoring (ARD Committee Determines)

Tier 1 Courses offered at FHS (weighted on a 5.0 scale):

Pre-AP: term for classes that are meant to prepare high students for AP classes as well as college classes.

Pre-AP Courses Offered at FHS:

- PAP Algebra 2
- PAP Biology
- PAP Chemistry
- PAP English 1
- PAP English 2
- PAP Geometry
- PAP Pre-Calculus
- PAP World Geography

AP (Advanced Placement): A college board program that provides high school students with the opportunity to take college-level courses. AP Exams are taken at the end of the school year voluntarily.

AP Courses Offered at FHS:

- AP English 3
- AP English 4
- AP Calculus
- AP Economics
- AP Environmental Science
- AP European History *
- AP Government
- AP Human Geography *
- AP Music Theory
- AP Psychology
- AP Studio Art: Drawing
- AP World History

* Offered on a rotation.

OnRamps: A dual enrollment program through the University of Texas.

OnRamps Courses Offered at FHS:

- Biology
- Chemistry
- Physics 1
- US History

OnRamps Course Information

- **BIOLOGY:** 4 hours for college credits—BIOL 1306 (Lecture) and BIOL 1106 (Lab)
Pre-Requisites: High School Biology and Chemistry
- **CHEMISTRY:** 4 hours for college credits—CHEM 1311 (Lecture) and CHEM 1111 (Lab)
Pre-Requisite: High School Algebra 1
- **PHYSICS:** 4 hours for college credits—PHY 1301 (Lecture) and PHY 1101 (Lab)
Pre-Requisites: High school Algebra 1 / Geometry / Algebra 2
- **US HISTORY:** 6 hours for college credits—HIST 1301 and HIST 1302
Pre-Requisite: High school English 2

Dual Credit Courses / Information

Tier 1 Courses offered at FHS through Angelo State University:

General Courses

DC Course	Course Name	HS Course	# Hours
• ARTS 1301	Introduction to Art—Fall Only	Art Appreciation	3.0
• COMM 1315	Public Speaking	Speech	3.0
• ECON 2301	Macroeconomics	Economics	3.0
• ENGL 1301	English Comp 1—Fall Only	English 3—S1	3.0
• ENGL 1302	English Comp 2—Spring Only	English 3—S2	3.0
• ENGL 2321	Intro to British Lit—Fall Only	English 4 —S1	3.0
• ENGL 2326	Intro to American Lit—Spring Only	English 4—S2	3.0
• HIST 1301	US History 1—Fall Only	Special Topics	3.0
• HIST 1302	US History 2—Spring Only	US History	3.0
• MATH 1314	College Algebra	Indep Study in Math	4.0
• MUSI 1306	Intro to Music	Music Appreciation	3.0
• PHYS 1303	Fund of Astronomy—Fall Only	Astronomy—S1	3.0
• PHYS 1304	Astronomy of Solar System—Spring	Astronomy—S2	3.0
• POLS 2305	American Government	US Government	3.0
• POLS 2306	Texas Government—Spring Only	Special Topics	3.0
• PSY 2301	General Psychology	Psychology	3.0

Apply Now @ angelo.edu/dual-credit

Dual Credit Courses have a few extra responsibilities from the student before they will be allowed to take a course from either Angelo State University or Central Texas College:

- These courses are subject to change at any time depending on Angelo State restrictions as well as FHS changes.
- Each course costs the student an additional fee.
- TSI must be completed before they may register for courses (either ELA and/or Math).
- Transcript must be sent to the appropriate school with a 3.0 + GPA or Recommendation Form completed.
- You may determine course equivalency with colleges/universities in the state of Texas by going to the Texas Common Course Numbering System (TCCNS) at tccns.org.