



2025-2026 SCHEDULING GUIDE

ENDORSEMENTS & Programs of Study

ARTS & HUMANITIES:

- ◇ Art
- ◇ Music
- ◇ Dance
- ◇ Languages Other Than English
- ◇ Theater
- ◇ Choir
- ◇ Social Studies

STEM:

Must take Chem, Physics & Algebra 2

- ◇ Science
- ◇ Math
- ◇ Mechanical & Aerospace Engineering

PUBLIC SERVICES:

Law & Public Service

- ◇ Law Enforcement
- ◇ JROTC

Health Science

- ◇ Exercise Science (Athletic Trainer)
- ◇ Diagnostics & Therapeutic Services (EMT Basic)

Education & Training

- ◇ Teaching & Training

BUSINESS & INDUSTRY:

Ag, Food & Natural Resources

- ◇ Ag Business, Leadership & Communications
- ◇ Animal Science
- ◇ Ag Tech & Mechanical Sys (Welding)
- ◇ Food Science & Technology
- ◇ Plant Science

Architecture & Construction

- ◇ Carpentry

Arts, A/V Tech & Communications

- ◇ Graphic Design & Interactive Media
- ◇ Printing & Imaging
- ◇ Digital Communications

Business, Marketing & Finance

- ◇ Entrepreneurship

Hospitality & Tourism

- ◇ Culinary Arts

Transportation, Distribution & Logistics

- ◇ Automotive & Collision Repair
- ◇ Aviation (Pilots)

GRADUATION REQUIREMENTS Foundations with Endorsement

26 Credits

◆ English (4 credits)

English 1, 2, 3 & 4

◆ Math (4 credits)

Algebra 1, Geometry & 2 Advanced Math courses

◆ Science (4 credits)

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

◆ Social Studies (3 credits)

World Geography and/or World History, US History, US Government (0.5) & Economics (0.5)

◆ Languages Other Than English (2 credits)

German or Spanish

◆ Physical Education (1 credit)

PE, Athletics, Marching Band (2 Fall semesters), ROTC, Red Hotts (Dance-1st year only), Cheer (1st year only)

◆ Fine Arts (1 credit)

Art, Band, Choir, Floral Design, Red Hotts (Dance), Theater, Theater Production, Music Appreciation

◆ Speech (0.5 credit)

◆ Electives (6.5 credits)

PERFORMANCE ACKNOWLEDGEMENTS

- Completing 12+ hours of college coursework, including dual credit and/or advanced technical credit
- Score of 3+ on an AP exam
- Qualifying score on PSAT, SAT or ACT
- Earning a nationally or internationally recognized industry certification
- Bilingualism/Bilingualism: 3.0 GPA and 3 credits in same foreign language; other criteria

DISTINGUISHED LEVEL OF ACHIEVEMENT

A student must complete:

- Foundations with Endorsement graduation plan **AND**
- **Algebra 2**

Additional ENDORSEMENT - MULTIDISCIPLINARY STUDIES

- ◇ 4 advanced CTE courses from endorsement area(s) **OR**
- ◇ 4 credits in each core subject area, including English IV & chemistry or physics (4 x 4) **OR**
- ◇ 4 credits in Advanced Placement or dual credit selected from English, math, science, social studies, economics, LOTE, or fine arts

FHS Counselors Information

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English & Reading Credits

- English 1 or Pre-AP English 1
- English 2 or Pre-AP English 2
- English 3, AP English 3 or DC English 3
- English 4, AP English 4 or DC English 4
- Speech (Communication Applications) (0.5 credit)
- iLit (Reading) 1, 2 & 3

Math Credits

- Algebra 1
- Geometry or Pre-AP Geometry
- Algebra 2 or Pre-AP Algebra 2
- Precalculus or UT OnRamps Precalculus
- Math Models
- Financial Mathematics
- Statistics and Business Decision Making
- Algebraic Reasoning
- AP Calculus (AB)
- UT On Ramps College Algebra

Social Studies Credit

- World Geography or AP Human Geography
- World History or AP World History
- US History, UT OnRamps US History or DC US History
- Government, AP Government or DC Government (1 sem.)
- Economics, AP Economics or DC Economics (1 sem.)
- AP European History
- AP Psychology
- DC Psychology (1 sem.)
- DC Texas Government (1 sem.)
- Personal Financial Literacy

* Course is offered on a rotation.

Science Credits

- Integrated Physics & Chemistry (IPC)
- Biology or Pre-AP Biology
- Chemistry or Pre-AP Chemistry
- Physics
- UT OnRamps Biology, Chemistry and Physics
- Anatomy & Physiology
- Advanced Animal Science (Tier 2)
- Advanced Plant & Soil Science (Tier 2)
- Forensic Science
- Food Science
- Scientific Research and Design 1
- Scientific Research and Design 2
- Engineering Design and Problem Solving
- AP Environmental Science

PE Credits

FEMALE ATHLETES:

- Softball
- Basketball
- Cross Country
- Cheer
- Golf
- Soccer
- Swim
- Tennis
- Track
- Volleyball

MALE ATHLETES:

- Baseball
- Basketball
- Cross Country
- Football
- Golf
- Soccer
- Swim
- Tennis
- Track

- PE 1: Lifetime Fitness & Wellness Pursuits
- PE 2: Lifetime Recreation & Outdoor Pursuits
- PE 3: Skill-Based Lifetime Activities

Other Courses for P. E. Credit:

- Red Hotts (1st year only)
- NJROTC 1
- Band (2 Fall semesters)

Contact Wendy Dietrich for athletic questions.

BUSINESS & INDUSTRY Endorsement

Agriculture, Food & Natural Resources: Business, Marketing & Finance:

AG BUSINESS, LEADERSHIP & COMMUNICATIONS:

- L1: Principles of Agriculture, Food & Natural Resources
- L1: Professional Communications (Speech) (1 sem.)
- L2: Judging 1 - Professional Standards in Ag (.5 credit)
- L3: Judging 2 - Agribusiness Management & Mktg
- L4: Judging 3 - Ag Leadership, Research & Comm
- L4: Career Prep for Program of Study or Practicum

ANIMAL SCIENCE:

- L1: Principles of Agriculture, Food & Natural Resources
- L3: Livestock Production
- L4: Advanced Animal Science - SCIENCE Credit
- L4: Career Prep for Program of Study or Practicum

AG TECHNOLOGY & MECHANICAL SYSTEMS (Welding)

- L1: Principles of Agriculture, Food & Natural Resources
- L3: Ag Welding 1 - Ag Structures & Fabrication
- L4: Ag Welding 2 - Ag Equipment, Design & Fabrication (2 periods)
- L4: Career Prep for Program of Study or Practicum

FOOD SCIENCE & TECHNOLOGY:

- L1: Principles of Agriculture, Food & Natural Resources
- L2: Foods of Texas - Food Technology & Safety
- L3: Butchering - Food Processing (2 periods)
- L4: Food Science - SCIENCE Credit
- L4: Career Prep for Program of Study or Practicum

PLANT SCIENCE:

- L1: Principles of Agriculture, Food & Natural Resources
- L2: Greenhouse Operations & Production
- L3: Floral Design - FINE ARTS Credit
- L4: Advanced Floral Design
- L4: Advanced Plant & Soil Science - SCIENCE Credit
- L4: Career Prep for Program of Study or Practicum

ENTREPRENEURSHIP:

- L1: Principles of Business, Marketing & Finance
- L2: Entrepreneurship 1
- L3: Entrepreneurship 2 or Incubator Program
- L4: Accelerator (Practicum in Entrepreneurship)
- L4: Career Prep for Program of Study

Arts, A/V Technology & Communications:

GRAPHIC DESIGN & INTERACTIVE MEDIA: (YEARBOOK)

- L1: Principles of Audio/Video Technology & Comm
- L2: Graphic Design & Illustration 1 - Yearbook 1
- L3: Graphic Design & Illustration 2 - Yearbook 2
- L4: Practicum in Graphic Design - Yearbook 3 (2 periods)

PRINTING & IMAGING: (NEWSPAPER-COMET)

- L1: Principles of Audio/Video Technology & Comm
- L2: Printing & Imaging Technology 1
- L3: Printing & Imaging Technology 2
- L4: Practicum in Printing & Imaging Tech (2 periods)

DIGITAL COMMUNICATIONS:

- L1: Principles of Audio/Video Technology & Comm
- L2: Audio/Video Productions 1
- L3: Audio/Video Productions 2 with Lab (2 periods)

BUSINESS & INDUSTRY Endorsement Cont'd:

Transportation, Distribution & Logistics:

AUTOMOTIVE & COLLISION REPAIR:

- L1: Intro. to Trades - Automotive Basics
- L3: Auto Tech 1 (2 periods)
- L4: Auto Tech 2 (2 periods)
- L4: Career Prep for Program of Study or Practicum

AVIATION: (Pilots)

- L1: Introduction to Aerospace & Aviation
- L2: Introduction to Unmanned Aerial Vehicle Flight
- L3: Aviation Ground School

Hospitality & Tourism :

CULINARY ARTS:

- L1: Introduction to Culinary Arts
- L2: Culinary Arts
- L3: Advanced Culinary Arts (2 periods)
- L4: Food Science - SCIENCE credit
- L4: Career Prep for Program of Study

Architecture & Construction:

CARPENTRY:

- L1: Intro. to Trades - Principles of Construction
- L2: Construction Technology 1 (2 periods)
- L3: Construction Technology 2 (2 periods)
- L4: Career Prep for Program of Study or Practicum

STEM Endorsement

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

Mechanical & Aerospace Engineering:

- Algebra 2, Chemistry **AND** Physics
- PLUS FOUR ENGINEERING CREDITS
- L1: Principles of Applied Engineering
 - L1: Introduction to CADD
 - L2: Intermediate CADD
 - L3: Engineering Design & Presentation 1
 - L4: Engineering Design & Problem Solving (Science credit)
 - L4: Scientific Research & Design 1 (Science credit)
 - L4: Scientific Research & Design 2

*If student does not complete Physics, this endorsement becomes a Business & Industry endorsement.

Math (Need 5 credits):

- Algebra 1 **AND**
 - Geometry or Pre-AP Geometry **AND**
 - Algebra 2 or Pre-AP Algebra 2 **AND**
- TWO ADDITIONAL MATH CREDITS:**
- Precalculus or UT OnRamps Precalculus
 - AP Calculus (AB)
 - Statistics & Business Decision Making
 - UT OnRamps College Algebra

Science (NEED 5 science credits):

(Algebra 2 Required)

- Biology or Pre-AP Biology **AND**
 - Chemistry or Pre-AP Chemistry **AND**
 - Physics or UT OnRamps Physics 1 **AND**
- TWO ADDITIONAL SCIENCE CREDITS:**
- AP Environmental Science
 - Advanced Animal Science (Tier 2)
 - Advanced Plant & Soil Science (Tier 2)
 - Anatomy & Physiology
 - Food Science
 - Forensic Science
 - UT OnRamps Biology
 - UT OnRamps Chemistry
 - UT OnRamps Physics
 - Scientific Research & Design 1
 - Scientific Research & Design 2
 - Engineering Design & Problem Solving

PUBLIC SERVICES Endorsement

Health Science:

DIAGNOSTICS & THERAPEUTIC SERVICES:

- L1: Principles of Health Science
- L2: Medical Terminology
- L3: Health Science Theory/Clinical (2 periods)
- L3: Anatomy & Physiology - SCIENCE credit
- L4: Practicum in Health Science - EMT Basic (2 periods)

EXERCISE SCIENCE, WELLNESS & RESTORATION (ATHLETIC TRAINER):

- L2: Kinesiology 1
- L3: Kinesiology 2
- L3: Physical Therapy 1
- L4: CTE Project-Based Capstone

ROTC:

JUNIOR RESERVES OFFICER TRAINING CORPS

- JROTC 1
 - JROTC 2
 - JROTC 3
 - JROTC 4
- ASVAB test is offered to all 10th - 12th graders

Education & Training:

TEACHING & LEARNING:

- L1: Principles of Human Services
- L2: Human Development
- L4: Instructional Practices
- L4: Practicum in Education

Law & Public Services:

LAW ENFORCEMENT:

- L2: Law Enforcement 1
- L2: Criminal Investigations
- L3: Law Enforcement 2
- L4: Forensic Science - SCIENCE credit
- L4: Career Prep for Program of Study or Practicum

ARTS & HUMANITIES Endorsement

Fine Arts:

ART:

- Art 1, 2, 3 & 4
- AP Drawing; AP 2-D Art and Design; AP 3-D Art and Design (Teacher approval needed)

DANCE:

- Red Hots 1, 2, 3 & 4 (Tryouts are required)

BAND:

- Band 1, 2, 3 & 4
- Applied Music 1, 2, 3 & 4 (Must be in Band)
- Jazz Band 1, 2, 3 & 4
- Colorguard 1, 2, 3 & 4

THEATER:

- Theater Arts 1, 2, 3 & 4
- One Act 1, 2, 3 & 4
- Theater Productions 1, 2, 3 & 4

CHOIR:

- JV Choir 1, 2, 3 & 4
- Varsity Choir 1, 2, 3 & 4

Other Courses for Fine Art Credit

- Music Appreciation
- Floral Design
- DC Music Appreciation (1 sem.)
- DC Intro to Art (1 sem.)

LOTE (Languages Other Than English):

- German 1, 2, 3 & 4
- Spanish 1, 2, 3 & AP Spanish Language & Culture

Social Studies (NEED 5 credits):

- World Geography or AP Human Geography
- World History or AP World History
- US History, UT OnRamps US History or DC US History
- Government, AP Government or DC Government (1 sem.)
- Economics, AP Economics or DC Economics (1 sem.)
- AP European History
- AP Psychology
- DC Psychology (1 sem.)
- Dc Texas Government (1 sem.)
- Personal Financial Literacy (1 sem.)

One Semester Courses

(1) Speech & (2) Touch System Data Entry (PAIRED)

Speech (DC)

Psychology (DC)

Economics (Regular/AP/DC)

Government (Regular/AP/DC)

Music Appreciation (DC)

Introduction to Art Appreciation (DC)

Special Topics in Social Studies 1 & 2 (DC)

Learning Lab (counselor approval only)

Additional Electives

College Transitions - SENIORS only

Career Prep with Career Lab

Student Aide - SENIORS only

Mentoring (See Counselor)

Work Program Criteria

- Student must have at least two periods available in schedule:
 1. Career Prep - classroom portion
 2. Career Lab - off-campus work portion
- Student must be a junior or senior.
- Student must be 16 years of age and have their own transportation.
- Student must be enrolled in the course at the beginning of the school year. This is not a course that may be added mid-year.
- Students are not allowed to stay on campus during their Career Lab periods.
- Student is required to work 10-15 hours each week (Sunday–Saturday), dependent on number of work periods in student schedule.
- Parent may not sign off on hours.

Early College High School

Application process must be completed in 8th grade.

Early College High School (ECHS) is a unique opportunity for students to earn both a high school diploma and an associate degree simultaneously. ECHS students will begin taking college classes during their freshman year of high school, which will lead to earning 60 college credit hours. Students enrolled in Fredericksburg ECHS will be able to participate in extracurricular activities, as well as work towards receiving CTE certifications. Fredericksburg ECHS graduates will be prepared to transfer to a four-year university to earn their bachelor's degree or begin an exciting career! For further information, please refer to:

www.fisd.org/echs

Contact Cayle Koennecke: caylek@fisd.org

Tier 1 Courses (5.0 scale)

Pre-AP courses are meant to prepare high school students for AP classes and other college level courses.

Pre-AP & Honors Courses	
Pre-AP Biology	Pre-AP Geometry
Pre-AP Chemistry	Honors Algebra 2
Pre-AP English 1	Pre-AP English 2

An AP course provides college level curriculum through College Board. AP exams offer students the option to test for college credit. College credit is dependent on the test score earned & your college's requirements.

Advanced Placement Courses		
AP English 3	AP World History	AP Drawing
AP English 4	AP Economics	AP 2-D Art and Design
AP Calculus	AP Government	AP 3-D Art and Design
AP Psychology	AP Human Geography	AP European History
AP Environmental Science	AP Spanish Language & Culture	

Dual enrollment enables students to earn high school credit and opt to accept college credit.

UT OnRamps		
Biology	Chemistry	Physics 1
US History	College Algebra	Precalculus

DUAL ENROLLMENT

OnRamps Course Information

- **BIOLOGY:** TCCNS Course BIOL 1306 & BIOL 1106 (Lab); UT BIO 311C & BIO 106M; (4 hours college credit)
Recommended prerequisites: Biology & Chemistry
- **CHEMISTRY:** TCCNS CHEM 1311 & CHEM 1111 (Lab); UT CH 301 & CH 104M; (4 hours college credit)
- **PHYSICS:** TCCNS PHYS 1301 & PHYS 1101 (Lab); UT PHY 302K & PHY 102M; (4 hours college credit)
Recommended prerequisites: Algebra 2 or Precalculus
- **US HISTORY:** TCCNS HIST 1301 & HIST 1302; UT HIS 315K & HIS 315L; (6 hours college credit)
- **COLLEGE ALGEBRA:** TCCNS MATH 1314; UT M301 (3 hours college credit)
- **PRECALCULUS:** TCCNS MATH 2312; UT M 305G (3 hours college credit)

TCCNS: Texas Common Course Numbering System; tccns.org

Tier 1 - Dual Credit Courses

Angelo State University

DC Course	Course Name	HS Course	# Hours
• ARTS 1301	Introduction to Art	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 1	3.0
• HIST 1302	US History 2—Spring Only	US History	3.0
• MUSI 1306	Intro to Music—Spring Only	Music Appreciation	3.0
• POLS 2305	American Government	US Government	3.0
• POLS 2306	Texas Government—Spring Only	Special Topics 2	3.0
• PSY 2301	General Psychology	Psychology	3.0

Apply Now @ angelo.edu/dual-credit

OR see your counselor for questions

Additional Angelo State University (ASU) Dual Credit Information:

- A passing TSI test score (Accuplacer 2) must be achieved before a student may register for some courses.
- The student's transcript must be sent to ASU with a 3.0 + GPA or Recommendation Form completed.
- Each course may cost the student a fee. Fees vary based on course and student need.
- 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.
- Some courses may be taught in the classroom while others may be offered online only.

*Courses are subject to change.

Transcript Requests: angelo.edu/current-students/registrar/tranreq.php