



2024-2025 COURSE GUIDE

WYLIE ISD

CAREER EXPERIENCES

#IHAVEAPLANWISD



HOW TO GET STARTED...

1

GET TO KNOW YOUR PRINCIPAL



WYLIE EAST
HIGH SCHOOL



WYLIE HIGH
SCHOOL



2

GET FAMILIAR WITH GRADUATION REQUIREMENTS & GPA



3

EXPLORE THE DIFFERENT PROGRAMS OFFERED IN WYLIE ISD



4

ATTEND YOUR CAMPUS #IHAVEAPLAN WYLIE ISD MEETING ON JANUARY 29TH

ATTENTION

8TH GRADERS & PARENTS



#IHAVEAPLANWISD

INFORMATIONAL MEETINGS

DO YOU HAVE QUESTIONS ABOUT HIGH SCHOOL?
WOULD YOU LIKE TO SEE WHAT OUR SCHOOLS HAVE TO OFFER?

#IHAVEAPLANWISD
INFORMATIONAL MEETINGS

WHS | January 29
WEHS | January 29
from 6:00 - 8:00 PM

2024

Come meet the teachers and tour the campus. Counselors will be available to answer questions.

Learn about our Career Experiences to help your incoming freshman make a plan!

SEE YOU THERE!



EVERY CHILD.EVERY CLASSROOM.EVERY CAMPUS.EVERY DAY

Wylie ISD Graduation Plan Overview

There is one graduation plan approved by the State of Texas and Wylie ISD. The State of Texas Foundation High School Program requires 22 units of credits. Additionally, upon entering grade 9, each student will select one or more endorsement areas for an additional 4 units of credits. In Wylie ISD, every student is expected to earn 26 credits and graduate on the Foundation High School Program with an endorsement.

Foundation High School Program 22 Credits

Advanced, Advanced Placements, and Dual Credit courses, if available, can satisfy course requirements.

4 Credits – English Language Arts

- English I
- English II
- English III
- English IV

3 Credits – Mathematics

- Algebra I
- Geometry
- Algebra II

3 Credits – Social Studies

- World History
- US History
- Government (.5)
- Economics (.5)

3 Credits – Science

- Biology
- Chemistry or Physics
- Advanced Science

2 Credits – World Language

- Spanish I-IV
- French I-IV

1 Credit – Fine Art

- Art, Choir, Theatre, Technical Theatre, Band, Orchestra, AP Music Theory, Dance, Drill Team, Floral Design, Color Guard, Winter Guard

1 Credit – Physical Education

- PE, Athletics, Marching Band, Drill Team, Dance, Cheerleading, JROTC, Tech Theatre II, Show Choir, Color Guard (.5)

5 Credits – Electives

Foundation High School Program + Endorsement – 26 Credits

Students are able to earn one or more endorsements as part of their graduation requirements.

Students must select an endorsement prior to entering 9th grade. Students can meet with their counselor if they wish to change their endorsement.

Students earn an endorsement by:

- Completing curriculum requirements of FHSP (22 credits) and:
- Requirements of 1 endorsement, and:
- 1 additional credit of math, and:
- 1 additional credit of science, and:
- 2 additional elective credits.

WISD students can choose from these endorsement areas:

- Arts & Humanities
- Business & Industry
- Public Services
- STEM

Career Experiences are pathways for students to explore their interests and earn an endorsement for their high school graduation requirements.

Distinguished Level of Achievement & Performance Acknowledgements

Additionally, a student may earn the Distinguished Level of Achievement and/or a Performance Acknowledgement for outstanding performance. The Distinguished Level of Achievement must be earned to be admitted to a Texas public university under the Top 10% automatic admission law.

Distinguished Level of Achievement

- Foundation program requirements
- 4 credits in math including Algebra II
- 4 credits in science
- At least 1 endorsement

Performance Acknowledgements

- Dual credit course
- Bilingualism and biliteracy
- PSAT, ACT Plan, SAT or ACT
- AP or IB Exam
- Earning a nationally or internationally recognized business or industry certification

Earning an Endorsement

Arts and Humanities	Business and Industry
<p>Academic Coherent Sequence (select one of the following)</p> <p>Fine Arts – 4 credits from one or two of the following areas:</p> <ul style="list-style-type: none"> • Visual Arts • Dance • Music • Theatre <p>Social Science</p> <ul style="list-style-type: none"> • 5 credits – Social Studies <p>World Languages – 4 credits from one or two of the following areas:</p> <ul style="list-style-type: none"> • Spanish I-V • French I-IV 	<p>CTE Coherent Sequence Route</p> <p>4 Credits in CTE Electives (minimum of 3 courses) which includes:</p> <ul style="list-style-type: none"> • At least 2 from the same cluster • At least 1 advanced CTE course • Final Course from one of the following clusters: <ul style="list-style-type: none"> ○ Agriculture, Food and Natural Resources ○ Architecture and Construction ○ Arts, Audio Visual Technology and Communications ○ Business, Marketing and Finance ○ Hospitality and Tourism ○ Journalism ○ Manufacturing
Public Service	Science, Technology, Engineering & Math
<p>CTE Coherent Sequence Route</p> <p>4 Credits in CTE Electives (minimum of 3 courses) which includes:</p> <ul style="list-style-type: none"> • At least 2 from the same cluster • At least 1 advanced CTE course • Final Course from one of the following clusters: <ul style="list-style-type: none"> ○ Education and Training ○ Law and Public Service ○ Health Science <p>Elective coherent sequence (must include all) 4 courses in Junior Reserve Officer Training Corps (JROTC)</p>	<p>Academic Coherent Sequence (select one of the following)</p> <p>Mathematics – 5 credits; must complete Algebra II and 2 additional courses beyond Algebra II</p> <p>Science – 5 credits; must complete Biology, Chemistry, Physics and 2 additional advanced science courses</p> <p>CTE Coherent Sequence Route</p> <p>4 Credits in CTE Electives (minimum of 3 courses) which includes:</p> <ul style="list-style-type: none"> • At least 2 from the same cluster • At least 1 advanced CTE course • Final Course from one of the following clusters: <ul style="list-style-type: none"> ○ Engineering ○ Cybersecurity

For more information on:

- Academic Guidelines
- AP and Dual Credit Courses
- Class Rank and GPA
- Credit by Exam
- Extra- Curricular Guidelines
- Graduation Requirements
- Scholarships for Seniors
- Postsecondary Preparation Exams
- Transfer Students
- Course Descriptions

See the Wylie ISD Academic Planning Guide

http://www.wylieisd.net/hs_apg?

It is the policy of Wylie ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Es norma del distrito de Wylie ISD no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Deprechos Civiles de 1964, según enmienda; el Título IX de las Emmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.



ARTS AND HUMANITIES ENDORSEMENT



Fine Arts Experience



**Social Sciences and Pre-
Law Experience**



**World Languages
Experience**



Fine Arts

Student Organization: UIL

The Fine Arts experience allows students to take 4 courses in Fine Arts, which includes dance, music, theatre and visu-al arts. In order to complete this endorsement, a student can choose to take all four courses in the same area or they can split it up and take 2 courses in one fine arts area and 2 courses in a different fine arts area (example: 2 dance courses and 2 art courses). Completing one course in this experience also takes care of the fine art gradua-tion requirement for the student.

Fine Arts courses could have fees involved for supplies.

Program Information

Fine Arts Option	9th Grade	10th Grade	11th Grade	12th Grade
Dance	Dance I Varsity Dance I	Dance I Varsity Dance I Dance Ensemble	Dance III Varsity Dance III	Dance IV Varsity Dance IV

The high school dance program is designed for all students—those with no prior experience and those with previous training. Students must try out for the Varsity Dance (drill team) program.

Music	Band I Choir I Orchestra I	Band II Choir II Orchestra II	Band III Choir III Orchestra III	Band IV Choir IV Orchestra IV
Theatre	Theatre I Tech Theatre I	Theatre II Tech Theatre II	Theatre III Tech Theatre III	Theatre IV Tech Theatre IV
Visual Arts	Art I Art Advanced AP Art History	Art II Drawing Art II Drawing Advanced Art II Photography Art II Jewelry Art II Sculpture AP Art History Art II Painting	Art III Drawing Art III Photography Art III Sculpture AP Studio Art AP Art History AP Drawing 3D Art and Design	Art IV Drawing AP Drawing 2D Art and Design 3D Art and Design AP Art History

Fine Arts courses that also count for PE credits

Marching Band	Dance (.5)	Tech Theatre II	Varsity Dance (Drill team .5)	Show Choir	Color Guard (.5)
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Social Sciences & Pre-Law

The Social Sciences and Pre-Law experience includes three social science credits that the student will need for graduation. Beyond those three graduation credit requirements, World History, US History, Governments (.5), and Economics (.5) the student will need an additional two credits in the social sciences in order to obtain this endorsement.

This pathway has many advanced opportunities for students in both AP and dual credit in order to gain college credit.

Program Highlight

Intro Course	Concentration Course	Upper Level Concentration Course	Additional Courses (1-2 advanced credits to = 5 total)
World Geography AP Human Geography	Students must take one of the following: World History AP World History Students must take one of the following: US History AP US History Dual Credit US History	Students must take one of the following: Government (.5) AP Government (.5) Dual Credit Government (.5) Students must take one of the following: Macroeconomics (.5) AP Macroeconomics (.5) AP Microeconomics (.5) Dual Credit Macroeconomics (.5) Personal Financial Lit & Econ (.5)	Psychology (.5) Sociology (.5) AP Psychology AP European History AP Comparative Government (.5) African American Studies Mexican American Studies Personal Financial Literacy

Wylie ISD Career Videos:

[Assistant District Attorney](#)

[County Extension Agent](#)

Occupations	Median Wage	Annual Openings	% Growth
Judge, Magistrate Judge	\$90,349	171	16%
Lawyer	\$150,250	3,251	15%
Paralegal	\$56,267	2,982	22%



World Languages

The World Languages experience includes the two languages other than English (LOTE) requirements needed for graduation and an additional two languages courses beyond the requirements. The student will graduate with four total LOTE courses. This coursework will allow the student an understanding of the language and culture.

Wylie ISD students can start their LOTE course (Spanish only) in Junior High. As long as the student meets the course requirements, they can obtain high school credit.

Program Highlight

Language Options	Level 1	Level 2	Level 3	Level 4
Spanish	Spanish I Spanish Advanced (Can be taken in 8th grade)	Spanish II Spanish II Advanced Spanish II for Native Speakers	Spanish III Advanced Dual Credit Spanish III	AP Spanish IV Dual Credit Spanish IV AP Spanish V
French	French I French I Advanced	French II French II Advanced	French III Advanced	AP French IV

Wylie ISD Career Videos:

[Sign Language Interpreter](#)

[Translator](#)

Occupations	Median Wage	Annual Openings	% Growth
Translator and Interpreter	\$58,651	659	24%
Community Interpreter	\$46,120		17%

BUSINESS AND INDUSTRY ENDORSEMENT



Agriculture, Food & Natural Resources

- Animal Science
- Plant Science



Architecture and Construction

- Architectural Drafting and Interior Design
- Carpentry
- HVAC and Sheet Metal
- Electrical



Arts, Audio Visual Tech and Comm.

- Graphic Design and Interactive Media
- Digital Communications



Business, Marketing and Finance

- Accounting and Financial Services
- Business Management
- Marketing and Sales



Hospitality and Tourism

- Culinary Arts



Information Technology

- Cybersecurity



Journalism

- Journalism (Yearbook/Newspaper)
- Debate



Manufacturing

- Welding



Agriculture, Food & Natural Resources

Student Organization: FFA

Industry Certifications

Elanco Veterinary Medical Applications Certification, Elanco Fundamentals of Animal Science Certification, Texas State Florist's Association Knowledge Based Floral Certification, Level I and II

The Animal Science and Plant Science programs of study focus on research and business of animals, plants and other living organisms. Both pathways are very hands on and will lead to laboratory and field experiences. Wylie ISD has a 40 acre, full functioning agriculture center.

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Animal Science	Principles of Agriculture	Livestock Production	Advanced Animal Science Veterinary Medical App *Agriculture Leadership	Practicum in Ag, Food & Natural Resources Career Prep
Plant Science	Principles of Agriculture	Floral Design*	Advanced Floral Design*	Practicum in Ag, Food & Natural Resources Career Prep

Floral Design can also counts toward graduation requirements as a Fine Art.

*A fee can be associated with this course for supplies

Wylie ISD Career Videos:

[Veterinarian](#)

[County Extension Agent](#)

[Florist](#)

Occupations	Median Wage	Annual Openings	% Growth
Veterinarians	\$93,496	294	24%
Wildlife Biologist	\$67,309	45	32%
Medical Scientist	\$63,898	435	27%
Soil & Plant Scientist	\$54,662	116	21%

Check out our Agriculture Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





Architecture & Construction

Student Organization: SkillsUSA

Industry Certifications

NCCER Core, OSHA 30 Hour Construction, Autodesk Associate (Certified User) Revit Architecture, Autodesk Certified Professional in Revit for Architectural Design

Program Highlight

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the building environment.

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Architecture and Interior Design	Principles of Architecture Principles of Construction	Architecture Design I Interior Design I	Architecture Design II Interior Design II Civil Engineering & Arch	Practicum in Architecture Practicum of Interior Design Career Prep
Carpentry	Principles of Construction Principles of Architecture	Construction Tech I	Construction Tech II	Practicum in Construction Tech Career Prep
Electrical	Principles of Construction Principles of Architecture	Electrical Tech I	Electrical Tech II (25—26 school year pending registration)	Practicum in Construction Career Prep

Wylie ISD Career Videos:

- [Project Manager](#)
- [Electrician](#)
- [General Contractor](#)
- [Architect](#)
- [Civil Engineer](#)

Occupations	Median Wage	Annual Openings	% Growth
Architect	\$77,043	808	16%
Carpenter	\$35,922	5,031	26%
HVAC Mechanic	\$41,808	3,356	26%
Electrician	\$44,013	8,460	21%

Check out our Architecture and Construction Pathway Videos on the Wylie ISD webpage to learn more about why the pathway could be for you.





Arts, Audio Visual Technology & Communications

Student Organization: SkillsUSA, BPA

Industry Certifications

Adobe Certified Professional Adobe Illustrator, Adobe Certified Professional Adobe Photoshop, Adobe Certified Professional Adobe Premiere Pro

Program Highlight

The AAVTC Career Cluster focuses on careers in designing, producing, exhibiting, performing, multimedia content including visual and performing arts and design, and entertainment services.

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Graphic Design and Interactive Media	Principles of Arts, Audio/Video Tech and Communications Digital Media	Video Game Design Animation I Graphic Design I Commercial Photography	Video Game Programming Animation II Graphic Design II	Advanced Video Game Practicum in Graphic Design Practicum in Animation
Digital Communications	Principles of Arts, Audio/Video Tech and Communications	Audio/Video Productions	Audio/Video Productions II	Practicum in Audio/Video Productions Career Prep

Wylie ISD Career Videos:

[Graphic Designer](#) [3D Motion Graphics](#)
[Comic Artist](#) [Screenwriter](#)
[Video Game Designer](#) [Music Producer](#)

Occupations	Median Wage	Annual Openings	% Growth
Graphic Designer	\$44,842	1,433	15%
Multimedia Artist/Animator	\$67,392	186	21%
Camera Operator	\$50,024	129	9%
Sound Engineer Technician	\$39,562	79	27%

Check out our A/V Arts Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





Business, Marketing & Finance

Student Organization: BPA, DECA, UIL

Industry Certifications

Intuit QuickBooks Certified User , Entrepreneurship and Small Business, Student Social Media Marketing Certification

The Business, Marketing, and Finance Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum
Accounting & Finance	Principles of Business, Marketing & Finance	Accounting I Money Matters	Accounting II Dual Credit Accounting II Securities & Investments	Practicum in Business Career Prep I
Business Management	Principles of Business, Marketing & Finance	Business Law	Business Management	Statistics and Business Decision Making Practicum in Business (Spirit Shop)
Marketing & Sales	Principles of Business, Marketing & Finance	Marketing Sports Entertainment Marketing (.5) Social Media Marketing (.5)	Sports Marketing II (.5) Advertising (.5) Digital Media	Practicum in Marketing Career Prep I

Wylie ISD Career Videos:

[Staffing Professional](#) [Content Creator](#)
[Business Management](#) [Loan Officer](#)
[Marketing Director](#) [Financial Educator](#)

More Videos on the Wylie ISD YouTube Page

Occupations	Median Wage	Annual Openings	% Growth
Accountant	\$71,469	14,436	22%
Loan Officer	\$68,598	2,419	19%
Personal Financial Advisor	\$86,965	1,861	52%
Marketing Research	\$70,346	4,664	40%

Check out our Business Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





Hospitality & Tourism

Student Organization: SkillsUSA, FCCLA

Industry Certifications

ServSafe Manager, Culinary Meat Selection and Cookery Certification, Food Safety and Science Certification

The Culinary Arts program of study introduces CTE learners to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Culinary Arts	Principles of Hospitality & Tourism	Intro to Culinary Arts	Advanced Culinary Arts (Junior Year Option) @ WEHS Practicum in Culinary Arts (First Time Taken) @ 544 Café/ WHS Practicum in Culinary Arts—Baking (First time taken) @ WHS	Practicum in Culinary Arts (2nd time taken) @ 544 Café /WHS Practicum in Culinary Arts—Baking (2nd time taken) @ WHS Career Prep I

Wylie ISD Career Videos:

[Event Coordinator](#)

[Chocolatier](#)

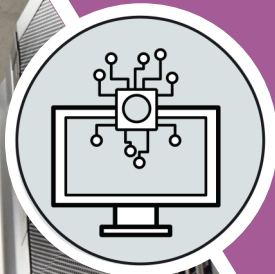
[Executive Pastry Chef](#)

[Chef](#)

Occupations	Median Wage	Annual Openings	% Growth
Food and Beverage Manager	\$55,619	1,561	28%
Chef and Head Cooks	\$43,285	1,366	25%
Food Science Technicians	\$34,382	236	11%
Meeting, Convention and Event Planning	\$47,446	1,083	21%

Check out our Culinary Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





Information Technology

Student Organization: SkillsUSA, BPA

Industry Certifications

CodeHS Cybersecurity Level 1 Certification, Information Technology Specialist: Java, JavaScript, Networking, CompTIA Network +

The Cybersecurity program of study includes the occupations and educational opportunities related to planning, implementing, upgrading, or monitoring security measure for the protection of computer networks and information. This program of study may also include exploration into responding to computer security breaches and virus and administering network security measures.

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Cybersecurity	Principles of Information Technology	Computer Maintenance AP Computer Science Principles	Networking	Practicum of Information Technology Independent Study for Evolving Technology Cybersecurity Capstone

Wylie ISD Career Videos:

[Cyber Security](#)

[Software Engineer](#)

[Software Engineer 2](#)

[Internet Technology](#)

[Digital Forensics](#)

[IT Director](#)

[Telecommunications](#)

Occupations	Median Wage	Annual Openings	% Growth
Information Security Analysts	\$91,915	814	29%
Network and Computer System Administrators	\$82,597	2,814	19%
Computer System Analysts	\$87,568	5,937	29%

Check out our Cybersecurity Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





Journalism & Debate

Student Organization: UIL

Student Opportunity

UIL, Quill and Scroll, - International Honor Society of HS Journalist, TFA (TX Forensic Association), NSDA (National Speech & Debate Association, & the TOC (Tournament of Champions)

Students interested in a career in ELA can earn a B&I Endorsement in Journalism. Students that choose this endorsement must earn 4 English elective credits which include: Advanced Journalism: Newspaper/Yearbook, Debate

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Advanced Journalism	Journalism (.5) Photojournalism (.5)	Yearbook I Newspaper I	Yearbook II Newspaper II	Yearbook III Newspaper III
Debate	Debate I	Debate II	Debate III	Debate IV

Wylie ISD Career Videos:

[Photographer](#)

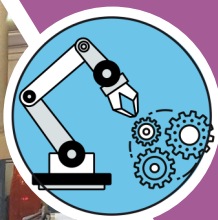
[Author](#)

[Assistant District Attorney](#)

Occupations	Median Wage	Annual Openings	% Growth
Graphic Designer	\$44,842	1,433	15%
Editor	\$72,297	710	5%
Radio/TV Announcer	\$50,531	265	8%
Writer /Author	\$56,681	764	15%

Check out our Journalism Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





Manufacturing

Student Organization: SkillsUSA

Industry Certifications

AWS D1.1 Structural Steel, AWS D9.1 Sheet Metal Welding

Program Highlight

The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Welding	Intro to Welding	Welding I	Welding II	Practicum in Manufacturing Career Prep

Wylie ISD Career Videos:

[Welder](#)

[Electrical Engineer](#)

[Engineering Construction Supervisor](#)

Occupations	Median Wage	Annual Openings	% Growth
Welder, Cutter, Solderer and Brazers	\$41,350	6,171	9%
Welding Soldering and Brazing Machine Setters, Operators and Tenders	\$40,040	280	9%
Electro-Mechanical Tech	\$56,555	127	9%
Industrial Machinery Mechanic	\$49,816	3,788	27%

Check out our Manufacturing Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.



PUBLIC SERVICE ENDORSEMENT



Education and Training

- Teaching and Training



Health Science

- Exercise Science, Wellness, and Restoration
- Diagnostic and Therapeutic Services



Law and Public Safety

- Law Enforcement



AFJROTC

- Air Force Junior Reserve Officer Training Corp.



Education & Training

Student Organization: TAFE, FCCLA

Industry Certifications

Educational Aide I

The Teaching and Training program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Teaching and Training	Principles of Education	Child Development	Instructional Practices (students will go to Wylie ISD Elementary Schools)	Practicum in Education and Training (students will go to Wylie ISD Elementary Schools)

Wylie ISD Career Videos:

[Sign Language Interpreter](#)

[County Extension Agent](#)

[Teacher](#)

[Crime Victim Advocate](#)

[Library Director](#)

Occupations	Median Wage	Annual Openings	% Growth
Adult Basic and Secondary Education and Literacy Teachers and Instructors	\$48,069	862	17%
Middle School Teachers, Except Special and Career/Technical Education	\$54,510	6,407	15%
Career and Technical Education Teachers, Secondary School	\$56,360	719	9%
Special Education Teachers, Secondary School	\$56,720	980	18%

Check out our Education Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





Health Science

Student Organization: HOSA, SkillsUSA

Industry Certifications

Medical Assistant, Pharmacy Technician, Certified EKG Technician, Certified Nurse Aide (CNA), EMT—Basic

This program of study includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Diagnostic & Therapeutic Services	Principles of Health Science	Medical Terminology OR Medical Terminology Dual Credit	Health Science Theory OR Health Science Theory Dual Credit (CNA)	Anatomy & Physiology Practicum in Health Science (EKG, MA, Pharm Tech or EMT)
Exercise Science, Wellness & Restoration	Principles of Exercise Science and Wellness Principles of Health Science	Kinesiology I Medical Terminology Lifetime Nutrition and Wellness (.5)	Kinesiology II (25-26 school year pending registration) Health Science Theory	Anatomy & Physiology Practicum of Health Science (Personal Trainer)

Wylie ISD Career Videos:

[Paramedic](#)
[Family Doctor](#)
[Chiropractor](#)
[Physician Assistant](#)
[Sonographer](#)
[CAT Scan Technologist](#)
[Dentist](#)
[Orthopedic Surgeon](#)
[Family Physician](#)

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistant	\$29,598	8,862	30%
Registered Nurses	\$68,682	17,493	26%
Physicians and Surgeons	\$213,071	1,151	30%
Athletic Trainer	\$53,450	215	22%

Check out our Health Science Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





Law & Public Safety

Student Organization: SkillsUSA

Industry Certifications

Non-Commissioned Security Officer Level II, IAED Emergency Telecommunicator

The Law Enforcement program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law. Students will learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Law Enforcement	Principles of Law, Public Safety, Corrections and Security	Law Enforcement I	Criminal Investigations Law Enforcement II	Practicum in Law, Public Safety, Corrections and Security Forensic Science Career Prep

Wylie ISD Career Videos:

[Police Officer](#) [Crime Investigator](#)
[Criminalist](#) [Firefighter](#)
[911 Communications Supervisor](#) [FBI Agent](#)

More Videos on the Wylie ISD YouTube Page

Occupations	Median Wage	Annual Openings	% Growth
Police and Sheriff's Patrol Officers	\$60,112	5,241	13%
Probation Officers and Correctional Treatment Officers	\$44,054	793	9%
Correctional Officers and Jailers	\$40,186	4,683	9%

Check out our Law Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





AFJROTC —Air Force Junior Reserve Officer Training Corps

The mission of AFJROTC is to “Develop citizens of character dedicated to serving their nation and community.” AFJROTC is not an USAF accessions program and cadets are never under any obligation to join the military. AFJROTC is a Title 10 US Code mandated citizenship-training program that is designed to educate and train high school cadets in citizenship, promote community service, instill personal responsibility, character, and self-discipline. The program achieves this through classroom education in air and space fundamentals and hands on learning opportunities.

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
AFJROTC	ROTC I	ROTC II	ROTC III	ROTC IV

The ROTC courses must be taken in order, it does not matter what grade level. Any student 9th-12th grade must start in the ROTC I course. Air Force JROTC provides leadership training and an aerospace science program for high school students.

Wylie ISD Career Videos:

[Marine](#)

[Aircraft Mechanic](#)

[Army](#)

12 Highly Rated Military Jobs

Coast Guard Machinery Technician	Army Operations Manager	Military Officer	Army Logistics Manager
Army Human Resources Specialist	Intelligence Analyst	Satellite Communications System Operator	Combat Engineer
Special Forces	Nurse or Medic	Marine Corps Aircraft Mechanic	Tactical Aircraft Maintenance Specialist

Check out our AFJROTC Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.



STEM ENDORSEMENT



Engineering

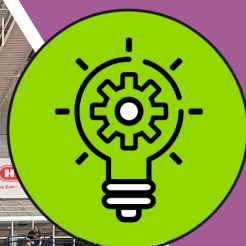
- Engineering Foundations



Mathematics



Science



Engineering

Student Organization: SkillsUSA, First Tech, VEX

Industry Certifications

Autodesk Associate (Certified User) Fusion 360, Inventor for Mechanical Design, C-101 Certified Industry 4.0 Associate - Basic Operations

The Engineering Program of Study explores many different areas of engineering. In these courses, students are actively involved in hands-on problem-based situations where they need to design, build, test and document solutions. This field continues to grow at a rapid pace.

Program Highlight

Program of Study	Intro Course	Concentration Course	Concentration Course	Advanced or Practicum Course
Engineering Foundations (Engineering)	Principles of Applied Engineering	Introduction to Engineering Design (PLTW)	Engineering Science Civi Engineering and Architecture (PLTW)	Engineering Design and Problem Solving
Engineering Foundations (Robotics)	Principles of Applied Engineering	Robotics I	Robotics II	Practicum in STEM (Robotics III)

Wylie ISD Career Videos:

[Electrical Engineer](#)

[Biomedical Engineer](#)

[Civil Engineer](#)

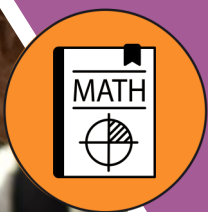
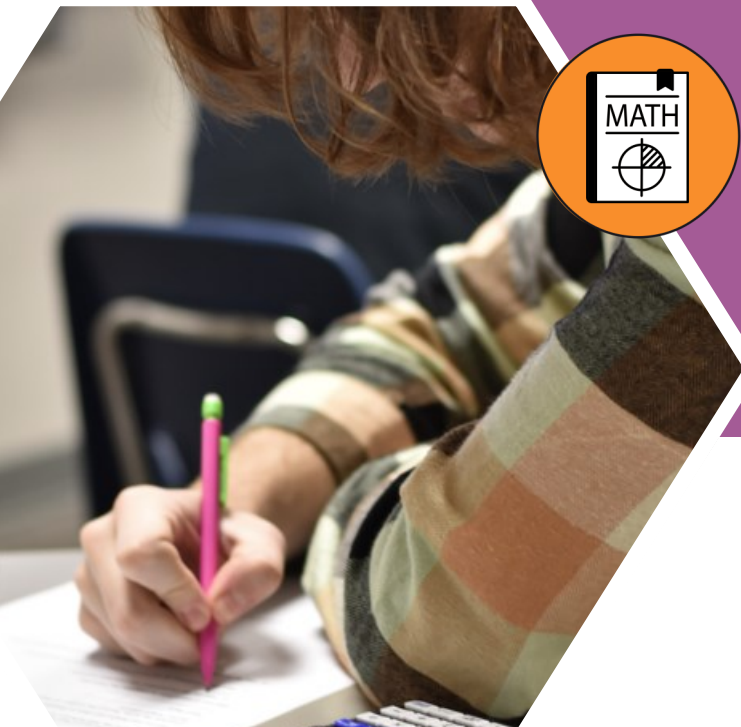
[Engineering Construction Supervisor](#)

[GIS Analyst](#)

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineer	\$110,843	481	9%
Industrial Engineer	\$97,074	1,263	10%
Mechanical Engineer	\$91,107	1,535	11%
Chemical Engineer	\$112,819	474	9%
Electrical Engineer	\$98,405	1,137	10%

Check out our Engineering Pathways Video on the Wylie ISD webpage to learn more about why the pathway could be for you.





Mathematics

Student Organization: UIL

The Math Experience includes three math credits that the student will need for graduation. Beyond those three graduation credit requirements (Algebra I, Geometry and Algebra II) the student will need an additional two credits in math in order to obtain this endorsement. There are many advanced opportunities for students in both AP and Dual Credit in order to gain college credit within this experience. In Wylie ISD, students can start their math credits in 8th grade. As long as the student meets the course requirements, they can obtain high school credit that will count toward graduation.

Program Information

Intro Course	Concentration Course	Upper Level Concentration Course	Additional Courses (2 additional credits to = 5 total)
Algebra can be taken in 8th grade or 9th grade Algebra I Algebra I Advanced	Students must take one of the following: Geometry Geometry Advanced	Students must take one of the following: Algebra II Algebra II Advanced	Pre-calculus Pre-Calculus Advanced Statistics & Business Decision Making AP Statistics Dual Credit Trigonometry/Pre-Calculus AP Calculus AB AP Calculus BC Dual Credit College Algebra/Statistics Dual Credit College Algebra/Business Calc. College Preparatory Math Business Calculus

Wylie ISD Career Videos:

[Certified Public Accountant](#)

[Financial Educator](#)

[Loan Officer](#)

Careers with a Mathematics Degree

Financial Analyst	Mathematician	Statistician	Actuary
Information Analyst	Accountant	Financial Advisor	Software Developer



Science

Student Organization: UIL

The Science Experience includes three science credits that the student will need for graduation. Beyond those three graduation credit requirements (Biology, Chemistry and Physics) the student will need an additional two credits in science in order to obtain this endorsement. There are many advanced opportunities for students in both AP and Dual Credit in order to gain college credit within this experience.

Program Highlight

Intro Course	Concentration Course	Upper Level Concentration Course	Additional Courses (2 additional credits to = 5 total)
<p>Student must take one of the following:</p> <p>Biology</p> <p>Biology Advanced</p>	<p>Students must take one of the following:</p> <p>Chemistry</p> <p>Chemistry Advanced</p>	<p>Students must take one of the following:</p> <p>Physics</p> <p>AP Physics 1</p>	<p>AP Biology</p> <p>Dual Credit Biology</p> <p>AP Chemistry</p> <p>Environmental Systems</p> <p>AP Environmental systems</p> <p>Earth and Space Science</p> <p>AP Physics 2</p> <p>AP Physics C</p> <p>Forensic Science</p> <p>Anatomy and Physiology</p> <p>Astronomy</p> <p>Engineering Design and Problem Solving</p>

Wylie ISD Career Videos:

[Orthopedic Surgeon](#)

[Chemist](#)

[Paleontologist](#)

[Family Physician](#)

Careers with a Science Degree

Forensic Science Tech	Environmental Scientist	Biochemist	Epidemiologist
Psychologist	Anthropologist	Archaeologist	Physicist

Additional Electives

Any student can register for the additional electives as long as they meet the criteria for the course.

Academic Decathlon I/II: (9-12) The Academic Decathlon is designed to include students from all academic backgrounds. Each nine-member team consists of three A students, three B students and three C students. In addition to a seven minute interview, a one hour essay and two speeches (four minutes prepared and two minutes impromptu), written comprehensive exams are given in music, art, language/literature, mathematics, economics, (social) science, and the Super Quiz.

Peer Assistance and Leadership I/II (PALS): (11-12) The Peer Assistance/PAL course is a peer-helping program in which selected students will be trained to work as peer facilitators with other students on their own campus, and/or from feeder middle and elementary schools. The course will include training in a variety of helping skills that will enable students to assist other students in having a more positive and productive school experience. Positive peer influence will be utilized as a central strategy for addressing such issues as at-risk youth, substance abuse prevention, teen pregnancy, suicide, absenteeism, low achievement, eating disorders, behavior problems, and other areas of concern in the school district.

Teen Leadership: (10-12) Teen Leadership is a program in which students develop leadership, as well as professional and business skills. They focus on a healthy self-concept, stronger relationships, personal responsibility, and Emotional Intelligence and the skills it measures, which include self-awareness, self-control, self-motivation, and social skills. Also, students will develop skills in the following areas: public speaking and communication, understanding of personal image, principle-based decision-making, problem-solving, identifying and counteracting the effects of peer pressure, and goal setting; personally and professionally.

Access Success: Path to College/Career I: (11) This course provides support to help first generation college bound students prepare for the challenges they must face as they prepare for post-secondary education. This course advances intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that focus on developing the habits and skills that are expected in college study and the workforce. High school students in this course develop personal/interpersonal and cognitive skills that are essential to productivity in high school, college, and the business world.

Health: (9-12) In Health 1, students develop skills that will make them health-literate adults. Students gain a deeper understanding of the knowledge and behaviors they use to safeguard their health, particularly pertaining to health risks. Students are taught how to access accurate information that they can use to promote health for themselves and others. Students use problem-solving, research, goal-setting and communication skills to protect their health and that of the community.

Sports Medicine I/II (9-12) In The Sports Medicine Experiences is taught by Athletic Trainers and provides students with the opportunity to learn about the human body, sports related injuries, nutrition, emergency response, rehabilitative techniques, and working as a member of a multidisciplinary healthcare team.

Now Lets Make a Plan...

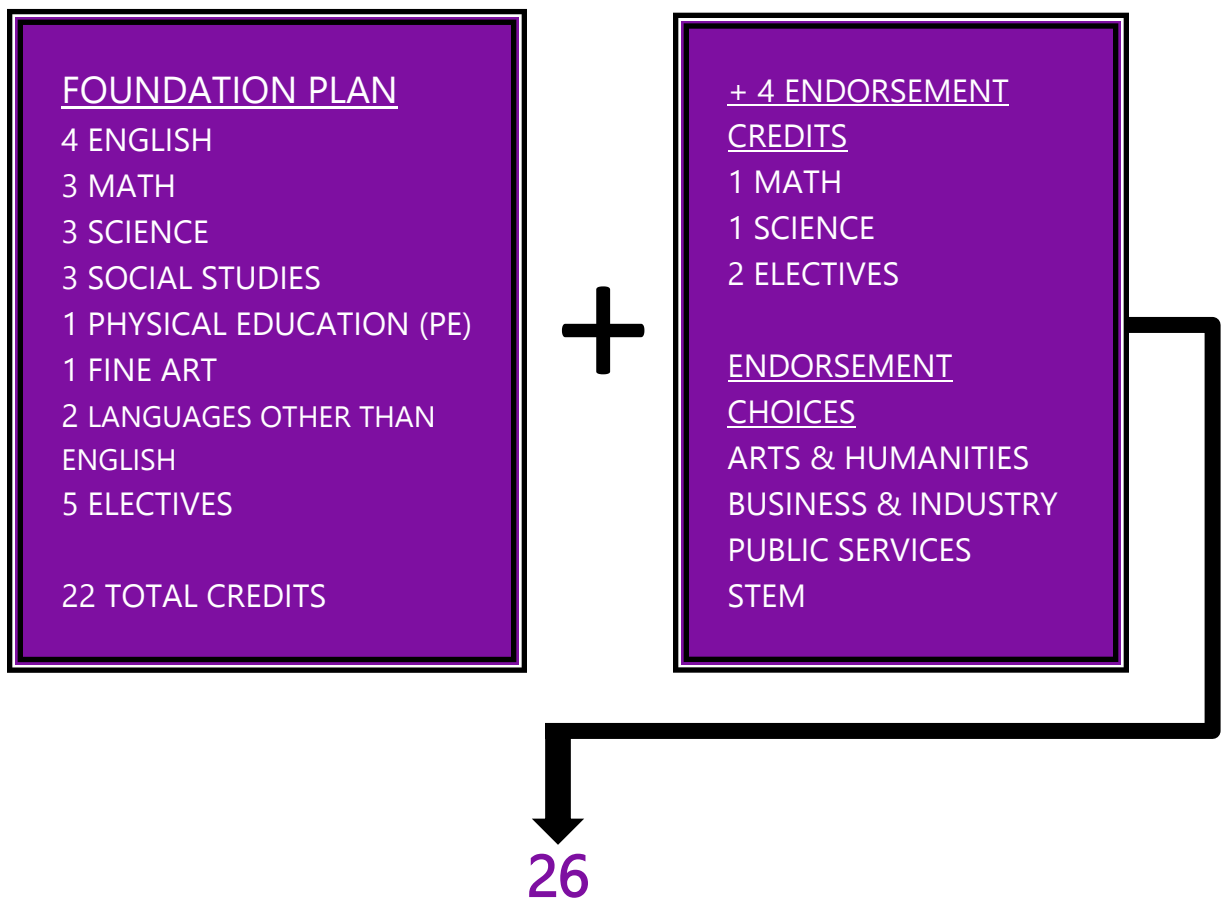
Use this graphic below to help you and your students make a plan.

Understanding the requirements for high school and how to earn an endorsement are critical for creating a 4-year plan for high school.

Wylie ISD's creation of Career Experiences within each endorsement area will allow your student to explore their interests and strengths while preparing for post-secondary goals.

These pathways bring relevance and purpose to school, connecting both a personal plan and goal.

Use this Career Experience guide to develop a personal high school 4 year plan. Counselors are available for questions.



Credits to Graduate

4 Year Graduation Plan

Last Name	First
ID#	Anticipated Graduation Year
WHS or WEHS	

The benefits of a graduation plan that includes earning one or more endorsements was explained to me as well as the distinguished level of achievement and postsecondary education and postsecondary education opportunities.

Student	Date	Counselor	Date
Parent/Guardian	Date		

Endorsement-Circle One: Business & Industry, Arts & Humanities, Public Services, or STEM
 Career Experience Choice: _____

8th (Algebra I or Spanish I)	9th	10th	11th	12th
	English I English I Adv Humanities I	English II English II Adv Humanities II	English III AP English III	English IV AP English IV
	Algebra I Algebra I Adv	Geometry Geometry Adv	Algebra II Algebra II Adv	Advanced Math
	Biology Biology Adv	Chemistry Chemistry Adv	Physics Adv. Science	Advanced Science
	World Geography (Optional) AP Human Geography	World History AP World History	US History AP US History	Government and Economics
Career Experience Courses				

Foundation + Endorsement Requirements

Pre AP, AP, and Dual Credit courses, if available, can satisfy course requirements.

- 4 English credits
- 4 Science credits
- 3 Social Studies credits
- 4 Math credits
- 2 LOTE credits
- 1 PE credit
- 1 Fine Arts credit

*Electives to satisfy earning an Endorsement

Recommended Freshman Course Selection:

- English I
- Algebra I
- Biology
- Spanish I, French I
- Fine Arts
- PE
- Endorsement Elective