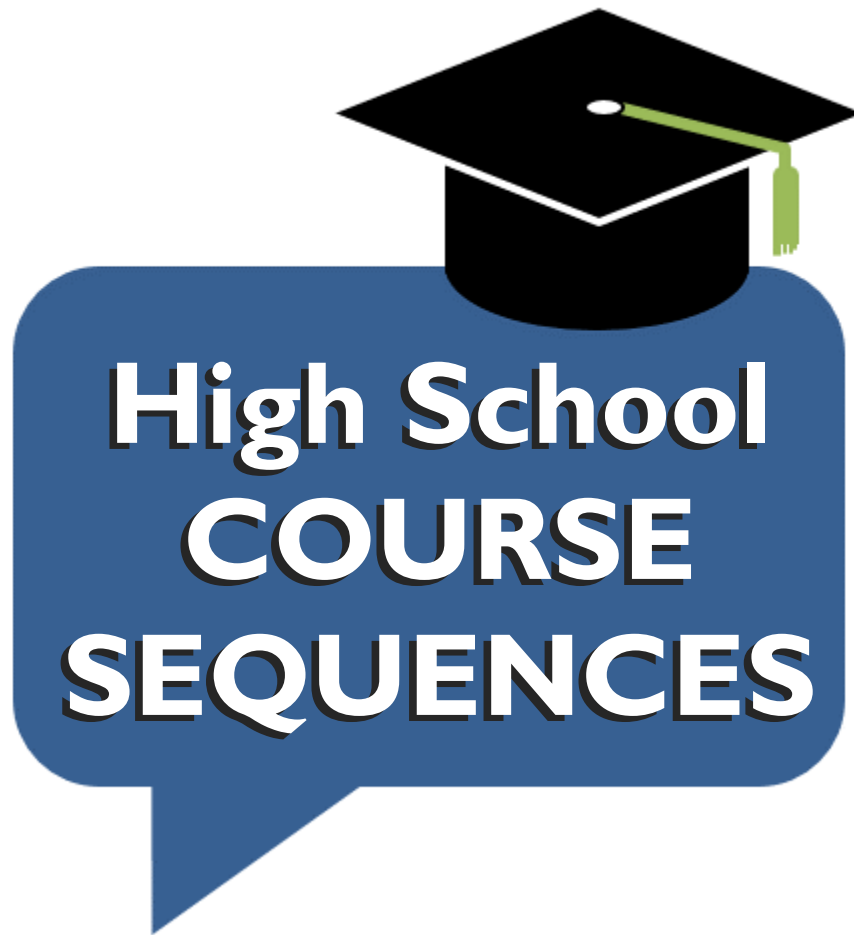




WICHITA FALLS

INDEPENDENT SCHOOL DISTRICT

Updated 1/2/2017



2017-2018

This document is intended to provide general information regarding paths to graduation and earning an endorsement in Wichita Falls ISD— but is not a complete list of all requirements and options. For more information, visit the District's High School Curriculum page at <http://www.wfisd.net/Page/13753>.

FOUNDATION: ENGLISH LANGUAGE ARTS: COURSE SEQUENCE

All graduation plans require 4 years of high school English courses. In addition, students must pass the state's English I and English II EOC exams to earn a diploma. However, there are a few different course sequences for English Language Arts courses in high school, depending on a student's graduation plan, endorsements, or post-secondary interests.



Who	Students on the Foundation Plan with an Endorsement (Classes of 2018 and beyond)		
	The standard sequence also satisfies requirements under the Foundation plan—specifically, English IV is required for a Multidisciplinary Studies endorsement, and recommended with Arts & Humanities.	Under the Foundation plan, students who have taken journalism classes during their sophomore and junior years may substitute the Newspaper III or Yearbook III for English IV.	Under the Foundation plan, students may also substitute the Business English CTE course for English IV.
Grade			
9	English I	English I, and Journalism I	English I
10	↓ English II	↓ English II, Newspaper I or Yearbook I	↓ English II
11	↓ English III	↓ English III, Newspaper II or Yearbook II	↓ English III
12	↓ English IV	↓ Newspaper III or Yearbook III	↓ Business English

Who	Advanced students (seeking college credit while in high school)		
	Students in the International Baccalaureate (IB) diploma program (DP) must complete the upper-level DP English courses. These programs will prepare students for the Formal and Informal IB Internal Oral Assessments required as part of the program.	Advanced students may also take courses leading to AP exams at the 11 th and 12 th grades. AP English courses are often recommended for college-bound students with a planned major of English or pre-law, or who plan on attending an out-of-state university.	Students may also take dual credit English classes for college credit instead of English III-IV. Dual credit English is often recommended for students who plan to attend college in Texas but NOT major in English or pre-law (such as math or science majors).
Grade			
9	Honors English I	Honors English I	English I
10	↓ Honors English II	↓ Honors English II	↓ English II
11	↓ DP English III (Junior Language A-1)	↓ AP English III (Language and Composition)	↓ Dual Credit English Composition, Semester I (1301) & II (1302)
12	↓ DP English IV (Senior Language A-2)	↓ AP English IV (Literature and Composition)	↓ Dual Credit British Literature, Semester I (2322) & II (2323)

Students also have the opportunity to take several electives in English Language Arts:

- Creative Writing
- Professional Communications
- Debate I, II, III
- Oral Interpretation I, II, II
- Journalism I
- Yearbook I, II, III
- Newspaper I, II, III



Note: Taking 4 or more of these courses (including a level III course in Newspaper or Yearbook) meets the requirements for an endorsement in Business and Industry.

FOUNDATION: MATHEMATICS: COURSE SEQUENCE

In high school, to graduate with an endorsement, all students are required to take at least 4 credits of math to include Algebra I and Geometry. In addition, students must pass the Algebra I EOC exam to earn a diploma. However, there are several different course sequences for mathematics courses in high school, depending on a student's graduation plan, endorsements, or post-secondary interests.



Who	Students on the Foundation Plan with an Endorsement (Classes of 2018 and beyond)		
Grade	In most cases, students will take the standard sequence of math courses.	For students who struggle to pass the Algebra I EOC exam, the Math Models course is recommended.	To prepare for college, advanced students can enroll in Honors courses (from Algebra I through Precalculus).
9	Algebra I	Algebra I	Honors Algebra I
10	↓ Geometry	↓ Math Models	↓ Honors Geometry
11	↓ Algebra II	↓ Geometry	↓ Honors Algebra II
12	↓ Precalculus, or other advanced math course	↓ Algebra II	↓ Honors Precalculus

Note: Algebra II is a required course for all students who pursue the STEM endorsement.

Who	Advanced students (seeking college credit while in high school)				
	Any HS	Rider & WFHS		Hirschi	
Grade	One option for students planning to attend a Texas college is to take Dual Credit College Algebra as a senior.	College-bound students who take Algebra I in middle school can ultimately take AP classes. (Also good for those seeking a STEM endorsement.)	In some cases, advanced students may be allowed to "double up" on Geometry and Algebra II.	IB Diploma candidates can take the Math Studies course as a senior. (It is also possible to take this course instead of Precalculus.)	IB Diploma candidates who double-up in math (or have 2 math credits from middle school) can take the Math HL course (over 2 years).
8	Advanced Math 8	Honors Algebra I	Honors Algebra I	Honors Algebra I	Honors Algebra I
9	Honors Algebra I	Honors Geometry	Honors Geometry, Honors Algebra II	Honors Geometry	Honors Geometry, Honors Algebra II
10	↓ Honors Geometry	↓ Honors Algebra II	↓ Hon. Precalculus	↓ Honors Algebra II	↓ Hon. Precalculus
11	↓ Honors Algebra II	↓ Hon. Precalculus	↓ AP Calculus	↓ Hon. Precalculus	↓ IB Math HL (Yr. 1)
12	↓ Dual Credit College Algebra	↓ AP Calculus and/or AP Statistics	↓ AP Statistics	↓ IB Math Studies	↓ IB Math HL (Yr. 2)

FOUNDATION: SCIENCE: COURSE SEQUENCE

All high school students are required to take Biology, and must pass the state's Biology EOC exam in order to graduate. To graduate with an endorsement, every student must also take three additional science credits; however, several different course sequences are available in high school science, depending on a student's graduation plan, endorsements, or post-secondary interests.



Who	Students on the Foundation Plan with an Endorsement (Classes of 2018 and beyond)		
	In most cases, students will take the standard sequence of science courses.	For students who struggle to pass the Biology EOC exam, it is recommended to take IPC and Environmental Systems.	To prepare for college, advanced students can enroll in honors courses, then choose from several advanced courses as a senior.
Grade			
9	Biology	Biology	Honors Biology
10	↓ Chemistry	↓ IPC	↓ Honors Chemistry
11	↓ Physics, or PT Physics	↓ Environmental Systems	↓ Honors Physics
12	↓ Earth and Space Science, or other advanced science course	↓ Earth and Space Science, or other advanced science course	↓ Anatomy & Physiology, or Forensic Science

Note: Both Chemistry and a Physics course are required for any student who pursues the STEM endorsement.

Who	Advanced students (seeking college credit while in high school)			
	Rider & WFHS		Hirschi	
Grade	College-bound students at Rider and WFHS can take Advanced Placement (AP) courses during their 11 th and 12 th grade years and take exams to earn college credit in Physics, Chemistry, Biology, and Environmental Science.		IB Diploma candidates can take either two years of advanced Chemistry, or two years of advanced Biology courses. Either path allows students to test at the HL level in science.	
9	Honors Biology	Honors Biology	Honors Biology	Honors Biology
10	↓ Honors Chemistry	↓ Honors Chemistry	↓ Honors Chemistry	↓ Honors Chemistry
11	↓ AP Physics 1	↓ Honors Physics	↓ Physics, and IB Chemistry (Year 1)	↓ Physics, and IB Biology (Year 1)
12	↓ AP Physics 2, or AP Physics C	↓ AP Biology, and/or AP Chemistry, and/or AP Env. Science	↓ IB Chemistry (Year 2)	↓ IB Biology (Year 2)

Students at Rider are also able to take a dual credit course in conjunction with the University of Texas called *Earth Wind & Fire* (GE0302E) while enrolled in high school Earth and Space Science.

FOUNDATION: SOCIAL STUDIES: COURSE SEQUENCE

In Social Studies, all students are required to take US History, Government and Economics, and additional classes. In addition, students must pass the state's US History EOC exam in order to graduate. There are a several different course sequences for social studies courses in high school, depending on a student's graduation plan, endorsements, or post-secondary interests.



Who	Students on the Foundation Plan with an Endorsement (Classes of 2018 and beyond)		
Grade	Students who entered high school in 2014 or later are required to take only 3 credits of social studies.	Students who pass the US History EOC may be allowed to take Government/Economics as 11 th graders. (This is still under discussion.)	Students on the Foundation Plan who are unsuccessful on the US History EOC may be scheduled into World History for re-test prep.
9	World Geography	World Geography	World Geography
10	↓ US History	↓ US History	↓ US History
11	↓ [none]	↓ Government/Economics	↓ World History
12	↓ Government/Economics	↓ [none]	↓ Government/Economics

Who	Advanced students (seeking college credit while in high school)		
	Rider & WFHS		Hirschi
Grade	Students on the Foundation Plan are not required to take the World History course. Instead, "honors" US History is offered (culminating with an EOC in grade 10).	Other AP and dual credit courses are offered to upperclassmen, including courses such as AP Human Geography and AP European History.	IB Diploma candidates must take two years of advanced history to test at the HL level in this area.
9	Honors World Geography	Honors World Geography	Honors World Geography
10	↓ Honors US History	↓ Honors US History	↓ Honors US History
11	↓ AP US History	↓ AP Human Geography, AP European History, AP US History or	↓ IB History of the Americas (Year 1)
12	↓ AP Government/ AP Economics	↓ Dual Credit US History, AP Govt/AP Economics or Dual Credit Govt/Econ	↓ IB History of the Americas (Year 2) (counts as Govt/Econ)

In addition to the courses listed, social studies electives are also offered in Psychology and Sociology.

ENDORSEMENTS: BUSINESS AND INDUSTRY: COURSE SEQUENCES

To complete an endorsement in Business and Industry, students have several different options:

- Industrial Trades
- Agricultural Science
- Communication
- Business
- Information Technology
- Journalism

Business and Industry Endorsement – Industrial Trades				
Grade	Welding	Manufacturing	Construction	Architecture
9	Principles of Industrial Trades ↓	Principles of Industrial Trades ↓	Principles of Industrial Trades ↓	Principles of Architecture ↓
10	*Intro to Welding ↓	*Intro to Welding ↓	*Principles of Construction ↓	*Architecture Design I ↓
11	*Welding I ↓	*Precision Metal Manufacturing I ↓	*Construction Technology ↓	*Interior Architecture & Design ↓
12	*Welding II + Lab, <u>or</u> *Practicum in Manufacturing	*Precision Metal Manufacturing II + Lab (at Vernon College)	*Construction Tech II, <u>or</u> *Practicum in Construction	*Architectural Design II

Grade	Electrical Technology	Building Maintenance	Automotive Technology	Auto Collision Repair
9	Principles of Industrial Trades ↓	Principles of Industrial Trades ↓	Principles of Industrial Trades ↓	Principles of Industrial Trades ↓
10	*Electrical Technology I ↓	*Plumbing I ↓	*Automotive Basics ↓	*Basic Collision Repair & Refinishing ↓
11	*Electrical Technology II ↓	*Principles of Construction, <u>and</u> *Electrical Technology I ↓	*Automotive Tech I: Maintenance & Light Repair ↓	*Collision Repair ↓
12	*Practicum in Construction	*Building Maintenance Technology I	*Auto Tech II: Automotive Service + Lab, <u>or</u> *Practicum	*Practicum in Transportation Systems

Business and Industry Endorsement – Agricultural Science			
Grade	Ag Mechanics	Animal Science	Plant Science
9	Principles of Agricultural Science ↓	Principles of Agricultural Science ↓	Principles of Agricultural Science ↓
10	*Ag Mechanics & Metal Technology ↓	*Livestock Production, <i>with</i> *Equine Science [½], <u>and</u> *Small Animal Management [½] ↓	*Principles of Floral Design, <u>or</u> *Horticulture Science ↓
11	*Ag Structures Design & Fabrication, <u>and</u> *Ag Equipment Design & Fabrication ↓	*Vet Medical Applications, <u>and</u> *Advanced Animal Science ↓	*Greenhouse Operations & Production ↓
12	*Ag Power Systems + Lab	*Practicum in Ag	*Practicum in Ag



*Courses offered at the Career Education Center (CEC) may cover multi-period blocks to include transportation time.

Business and Industry Endorsement – Arts, AV Production, and Communication		
Grade	AV Production	Graphic Design
9	Principles of Arts, AV Production ↓	Principles of Arts, AV Production ↓
10	Animation + Lab ↓	Animation + Lab ↓
11	*AV Production I + Lab ↓	*Graphic Design and Illustration I + Lab ↓
12	*AV Production II + Lab	*Graphic Design and Illustration II + Lab

Business and Industry Endorsement–Business, Marketing, and Finance		
Grade	Business	Marketing
9	Principles of Business, Marketing, and Finance ↓	Principles of Business, Marketing, and Finance ↓
10	Professional Communications, <i>and/or</i> Business Info Management (BIM) 1 ↓	*Advertising & Social Media Marketing ↓
11	*BIM 2 ↓	*Advanced Marketing ↓
12	*Global Business [½] <i>and</i> *Virtual Business [½]	*Practicum in Marketing Dynamics, <i>or</i> *Entrepreneurship

Business and Industry Endorsement		
Grade	Information Technology	Journalism
9	Principles of Information Technology ↓	Journalism I ↓
10	Computer Programming ↓	Newspaper I, <i>or</i> Yearbook I ↓
11	*Computer Maintenance + Lab ↓	Newspaper II, <i>or</i> Yearbook II ↓
12	*Networking + Lab	Newspaper III, <i>or</i> Yearbook III



*Courses offered at the Career Education Center (CEC) may cover multi-period blocks to include transportation time.

ENDORSEMENTS: PUBLIC SERVICES: COURSE SEQUENCES

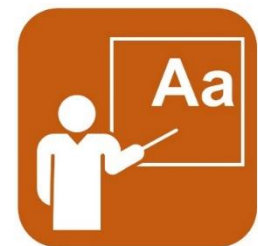
To complete an endorsement in Public Services, students have several different options:

- Health Science
- Education and Training
- Human Services
- Law Enforcement
- ROTC
- Hospitality
- Cosmetology

Public Services Endorsement – Health Science			
Grade	Nursing	Other Health Careers	
9	Principles of Health Science ↓	Principles of Health Science ↓	Principles of Health Science ↓
10	Medical Terminology ↓	Medical Terminology ↓	Medical Terminology ↓
11	*Health Science Theory + Lab (CNA) ↓	Medical Microbiology (*), <i>and/or</i> Anatomy and Physiology ↓	Medical Microbiology (*), <i>and/or</i> Anatomy and Physiology ↓
12	*Practicum in Health Science (Nursing)	*Practicum in Health Science (Options: EMT, or PT/OT Prep)	*Pharmacology, <i>or</i> *Health Informatics

Public Services Endorsement			
Grade	Education & Training	Human Services	Law Enforcement
9	Principles of Public Services ↓	Principles of Public Services ↓	Principles of Public Services ↓
10	Child Development ↓	Child Development ↓	Principles of Law, Public Safety, Corrections & Security ↓
11	*Instructional Practices ↓	*Counseling and Mental Health ↓	Forensic Science, <i>and</i> *Law Enforcement I ↓
12	*Practicum in Education and Training	*Practicum in Human Services	*Law Enforcement II, <i>and</i> *Correction Services

Grade	Cosmetology	Hospitality	ROTC
9	Principles of Public Services ↓	Principles of Public Services ↓	ROTC I ↓
10	*Introduction to Cosmetology ↓	Intro to Culinary Arts ↓	ROTC II ↓
11	*Cosmetology I <i>and</i> Principles of Cosmetology Design and Color Theory ↓	*Culinary Arts ↓	ROTC III ↓
12	*Cosmetology II + Practicum	*Advanced Culinary Arts	ROTC IV



*Courses offered at the Career Education Center (CEC) may cover multi-period blocks to include transportation time.

ENDORSEMENTS: STEM: COURSE SEQUENCES

STEM stands for Science, Technology, Engineering, and Mathematics. To earn an endorsement in this area, students must take Algebra II, Chemistry, and Physics—and complete additional requirements, as described below.

STEM Endorsement—Science				
Students can earn an endorsement in STEM by completing a total of 5 science credits, which must include Biology, Chemistry and Physics.				
Grade	Rider & WFHS		Hirschi	Any HS
	Students can take advanced courses in Physics and Chemistry.	Or students can take advanced courses in the life sciences.	Students in the IB program can choose to take advanced Biology or Chemistry.	There are many other science courses that can satisfy the STEM requirements.
9	Honors Biology	Honors Biology	Biology	Biology
10	↓ Honors Chemistry	↓ Honors Chemistry	↓ Chemistry	↓ Chemistry
11	↓ AP Physics 1	↓ Honors Physics	↓ Physics, and either IB Biology (year 1) <u>or</u> IB Chemistry (year 1)	↓ Physics
12	↓ AP Physics 2 or AP Physics C, and AP Chemistry	↓ AP Biology, and Anatomy & Physiology	↓ IB Biology (year 2) <u>or</u> IB Chemistry (year 2)	↓ Any 2 courses: Earth & Space Science, Forensic Science, AP Environmental Science, etc.

STEM Endorsement—Engineering	
Grade	Students who took Algebra I in 8 th grade
9	Principles of Applied Engineering
10	↓ *Robotics I
11	↓ *Engineering Design and Problem Solving
12	↓ *Robotics II

STEM Endorsement—Mathematics			
Students can earn an endorsement in STEM by completing a total of 5 math credits, which must include Algebra II and two courses beyond.			
Grade	Students who took Algebra I in 8 th grade can take AP or IB classes in 12 th grade.	Otherwise, to complete 5 math credits, students may have to double-up (or, take two math classes during the same year).	
	9	Geometry	Algebra I
10	↓ Algebra II	↓ Geometry <u>and</u> Algebra II	↓ Geometry
11	↓ Precalculus	↓ Precalculus	↓ Algebra II
12	↓ AP Calculus <u>or</u> AP Statistics; or IB Math Studies <u>or</u> IB Math HL	↓ AP Calculus <u>or</u> AP Statistics; or IB Math Studies <u>or</u> IB Math SL/HL	↓ Precalculus, <u>and</u> AP Statistics

*Courses offered at the Career Education Center (CEC) may cover multi-period blocks to include transportation time.

ENDORSEMENTS: ARTS & HUMANITIES ENDORSEMENT: COURSE SEQUENCES

Students can earn an endorsement in Arts and Humanities by taking additional social studies or foreign language courses, or by completing 4 credits in band, choir, theatre, or the visual arts.

Arts & Humanities Endorsement					
Grade	Social Studies		LOTE (Languages Other Than English)		
	Students can take a total of 5 credits in social studies.	Advanced courses are also available to complete these 5 credits.	Students can take 4 levels of the same language.		Or, students can take 2 levels of two different languages.
9	World Geography	World Geography	Spanish I	French I	A total of 4 credits: <ul style="list-style-type: none"> Spanish I & II and/or French I & II and/or Latin I & II
10	↓ US History	↓ US History	↓ Spanish II	↓ French II	
11	↓ World History, <u>and</u> Psychology/Sociology	↓ AP/Dual US History, <u>and</u> AP European History	↓ Spanish III	↓ French III	
12	↓ Government/Economics	↓ AP/Dual Govt/Econ	↓ Spanish IV	↓ French IV	

Arts & Humanities Endorsement				
	Students can complete 4 courses of instrumental music.	Students can complete 4 courses of choral music.	Students can complete 4 courses in Theatre Arts.	Students can complete 4 courses in the visual arts.
9	Band I, or Orchestra I	Men's/Girls' Choir	Theatre Arts I	Art I
10	↓ Band II, or Orchestra II	↓ A Cappella Choir I	↓ Theatre Arts II	↓ Art II
11	↓ Band III, or Orchestra III	↓ A Cappella Choir II	↓ Theatre Arts III	↓ Art III
12	↓ Band IV, or Orchestra IV	↓ A Cappella Choir III	↓ Theatre Arts IV	↓ Art IV
	Other options: <ul style="list-style-type: none"> Jazz Band Guitar I, II, III, IV Piano I, II AP Music Theory 	Other options: <ul style="list-style-type: none"> Vocal Ensemble Music Appreciation 	Other options: <ul style="list-style-type: none"> Technical Theatre Theatre Production 	Other options: <ul style="list-style-type: none"> Art Photography Art Ceramics AP Studio Art AP Art History

Students can also earn an endorsement in Arts and Humanities by completing 2 credits in each of two areas in the fine arts. (For example, 2 credits in Band and 2 credits in Theatre Arts.)

This combination could also include 2 credits from other areas of performing arts:

- Dance I, II, III



ENDORSEMENTS: MULTIDISCIPLINARY

Students can also earn an endorsement in Multidisciplinary Studies by completing courses in one of the categories below.

- 4-by-4.** Four credits in English (to include English IV), four credits in math, four credits in social studies, and four credits in science (to include chemistry and/or physics)
- Advanced.** Four credits in AP, IB, or dual credit courses.
- Workforce.** Four advanced career courses (CTE) that may not be in a coherent sequence (nor even in the same career cluster).