



WICHITA FALLS

INDEPENDENT SCHOOL DISTRICT

Updated 2/22/2016



High School COURSE SEQUENCES

2016-2017

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 | Class of 2017 | Classes of 2018 and beyond | | |
|-------|--|---|--|---|
| Grade | In most cases, students will take the standard sequence of English courses. This includes everyone under 4x4 plans (MHSP, RHSP, DHSP). | 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 during their sophomore and junior years may substitute the Journalism III course for English IV. | Under the Foundation plan, students may also substitute the Business English CTE course for English IV. |
| 9 | English I | English I | English I | English I |
| 10 | ↓ English II | ↓ English II | ↓ English II, Journalism I | ↓ English II |
| 11 | ↓ English III | ↓ English III | ↓ English III, Journalism II | ↓ English III |
| 12 | ↓ English IV | ↓ English IV | ↓ Journalism III* | ↓ Business English** |

*Note: The advanced Journalism and Business English classes may require an additional research paper to meet requirements in Board policy. (See EH(REGULATION).) **Business English will be available in 2017-18.

| Who | Advanced students (seeking college credit while in high school) | | |
|-------|--|---|--|
| Grade | 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). |
| 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 Recommended Graduation Plan or the Foundation Plan with an Endorsement | | |
|-------|---|--|--|
| | In most cases, students will take the standard sequence of math courses. This includes everyone under 4x4 plans (RHSP). | 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). |
| Grade | | | |
| 9 | Algebra I | Algebra I | Honors Algebra I |
| 10 | ↓ Geometry | ↓ Math Models | ↓ Honors Geometry |
| 11 | ↓ Algebra II | ↓ Geometry | ↓ Honors Algebra II |
| 12 | ↓ Precalculus, or AQR | ↓ 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 | |
| | 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). |
| Grade | | | | | |
| 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 Recommended Graduation Plan or the Foundation Plan with an Endorsement | | |
|-------|--|--|--|
| | In most cases, students will take the standard sequence of science courses. This includes everyone under 4x4 plans (RHSP). | 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 Physics 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* (GEO302E) 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) | | | |
|-------|--|--|---|--|
| | Students under the Recommended/Distinguished Plans | | | |
| Grade | For students who entered high school before 2014, four credits of social studies are required. | 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 | World Geography |
| 10 | ↓ World History | ↓ US History | ↓ US History | ↓ US History |
| 11 | ↓ US History | ↓ [none] | ↓ Government/Economics | ↓ World History |
| 12 | ↓ Government/Economics | ↓ Government/Economics | ↓ [none] | ↓ Government/Economics |

| Who | Advanced students (seeking college credit while in high school) | | | |
|-------|--|--|--|---|
| | | Rider & WFHS | | Hirschi |
| Grade | College-bound students under older graduation plans may take AP courses in US History, Government and Economics. | Students on the Foundation Plan are not required to take the World History course. Instead, a "pre-AP" US History course is offered (for EOC). | 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 | Honors World Geography |
| 10 | ↓ Honors World History | ↓ Honors US History | ↓ Honors US History | ↓ Honors US History |
| 11 | ↓ AP US History | ↓ 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 | ↓ 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 | Construction | Architecture |
| 9 | Principles of Industrial Trades | Principles of Industrial Trades | Principles of Industrial Trades |
| 10 | ↓ Welding I [2] | ↓ Construction Technology [2] | ↓ Architecture Design [2] |
| 11 | ↓ Advanced Welding [3], <u>or</u> *Precision Metal Manufacturing [2] | ↓ Advanced Construction Technology [2] | ↓ Interior Design, <u>and</u> Landscape Design & Turf Management |
| 12 | ↓ *Practicum in Manufacturing [3] | ↓ *Practicum in Construction Management [3] | ↓ *Advanced Architectural Design [2] |

| Grade | Electrical Technology | Automotive Technology | Auto Collision Repair |
|-------|--|---|---|
| 9 | Principles of Industrial Trades | Principles of Industrial Trades | Principles of Industrial Trades |
| 10 | ↓ Electrical Technology [2] | ↓ Automotive Tech I [2] | ↓ Collision Repair and Refinishing [2] |
| 11 | ↓ Advanced Electrical Technology [2] | ↓ Automotive Tech II [3] | ↓ Advanced Collision Repair and Refinishing [3] |
| 12 | ↓ *Practicum in Construction Management [3] | ↓ *Practicum in Transportation, Distribution & Logistics [3] | ↓ *Practicum in Transportation, Distribution & Logistics [3] |

| 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 Mech and Metal Technology | ↓ Equine Science, <i>with</i> Small Animal Management [½] <u>and</u> Livestock Production [½] | ↓ Principles of Floral Design |
| 11 | ↓ Ag Facilities and Design Fabrication [2] | ↓ Vet Medical Applications, <u>and</u> Advanced Animal Science | ↓ Horticulture Science |
| 12 | ↓ *Ag Power Systems [2] | ↓ *Practicum in Ag [3] | ↓ *Practicum in Ag [3] |

*Courses not currently available, but will be offered during the 2017-18 school year at the new CTE Center.



| 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 | ↓ Professional Communications, <i>and/or</i> Printing and Imaging Technology | ↓ Professional Communications, <i>and/or</i> Printing and Imaging Technology |
| 11 | ↓ AV Production | ↓ Graphic Design and Illustration |
| 12 | ↓ *Advanced AV Production [2] | ↓ *Advanced Graphic Design and Illustration [2] |

| 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 | ↓ Professional Communications, <i>and</i> Advertising and Sales Promotions |
| 11 | ↓ BIM 2 | ↓ Marketing Dynamics [2] |
| 12 | ↓ *Practicum in Business [3], <i>or</i> *Global Business <i>and</i> *Virtual Business | ↓ *Practicum in Marketing Dynamics [3] |

| 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 | ↓ Telecommunications and Networking | ↓ Newspaper II, <i>or</i> Yearbook II |
| 12 | ↓ *Computer Technician [2] | ↓ Newspaper II, <i>or</i> Yearbook III |

*Courses not currently available, but will be offered during the 2017-18 school year at the new CTE Center.



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 |
| | ↓ | ↓ |
| 10 | Health Science I | Health Science I |
| | ↓ | ↓ |
| 11 | Practicum in Health Science (CNA) [2] | Medical Microbiology, <i>and/or</i> Anatomy and Physiology |
| | ↓ | ↓ |
| 12 | *Practicum in Health Science II (LVN) [2] | *Practicum in Health Science [2] *Options: HIM, EMT, or PT/OT/Sports Medicine |

| 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 | Court Systems and Practices |
| | ↓ | ↓ | ↓ |
| 11 | Instructional Practices in Education and Training | Counseling and Mental Health | Forensic Science, <i>and</i> Law Enforcement I |
| | ↓ | ↓ | ↓ |
| 12 | *Practicum in Education and Training [3] | *Practicum in Human Services | *Law Enforcement II [2] |

| Grade | Cosmetology | Hospitality | ROTC |
|-------|-------------------------------|---|----------|
| 9 | Principles of Public Services | Principles of Public Services | ROTC I |
| | ↓ | ↓ | ↓ |
| 10 | Introduction to Cosmetology | Hotel Management [½], <i>and</i> Restaurant Management [½] | ROTC II |
| | ↓ | ↓ | ↓ |
| 11 | Cosmetology I [3] | Culinary Arts [2] | ROTC III |
| | ↓ | ↓ | ↓ |
| 12 | Cosmetology II [3] | *Practicum in Hospitality Services [3] | ROTC IV |

*Courses not currently available, but will be offered during the 2017-18 school year at the new CTE Center.



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

| Grade | Students can earn an endorsement in STEM by completing a total of 5 science credits, which must include Biology, Chemistry and Physics. | | | |
|-------|---|---|--|---|
| | 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 | Students who took Algebra I in 9 th grade |
|-------|---|---|
| 9 | Concepts of Engineering Technology | Concepts of Engineering Technology |
| 10 | ↓ Honors Physics | (either in grade 9 or 10) |
| 11 | ↓ Robotics and Automation, <u>and</u> Engineering Design and Problem Solving | ↓ Physics, <u>and</u> Robotics and Automation, <u>and</u> Engineering Design and Problem Solving |
| 12 | ↓ *Practicum in STEM [2] | ↓ *Practicum in STEM [2] |

*Courses not currently available, but will be offered during the 2017-18 school year at the new CTE Center.

STEM Endorsement—Mathematics

| Grade | Students can earn an endorsement in STEM by completing a total of 5 math credits, which must include Algebra II and two courses beyond. | | |
|-------|---|---|--|
| | 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 | 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 |

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.)

