

Foundation High School Program Requirements

A student must earn at least 22 credits to complete the Foundation High School Program. A student must demonstrate proficiency in the following core courses:

English language arts	Four credits	<ul style="list-style-type: none"> • English I • English II • English III • Advanced English course*
Mathematics	Three credits	<ul style="list-style-type: none"> • Algebra I • Geometry • Advanced mathematics course*
Science	Three credits	<ul style="list-style-type: none"> • Biology, AP Biology, or IB Biology • IPC or advanced lab-based science course from list* • Advanced lab-based science course from separate list subject to prerequisites (one credit or combo of two half credits) *
Social Studies	Three credits	<ul style="list-style-type: none"> • U.S. History • U.S. Government (half credit) • Economics (half credit) • World History, or World Geography, or new combined WH/WG class (not yet developed)
Languages other than English	Two credits	<ul style="list-style-type: none"> • Two levels in same language (two credits) • Computer Science I, II, and III (two credits)(option expires after 2015–16 school yr.) • Specified substitutions for particular students (e.g., if ARD determines) *
Physical Education	One Credit	<ul style="list-style-type: none"> • Four course options* • Specified substitutions (e.g. drill team) *
Fine Arts	One Credit	<ul style="list-style-type: none"> • Options in art, dance, music, theatre, floral design, digital art & animation, 3-D modeling & animation* • Community-based program
Electives	Five Credits	<ul style="list-style-type: none"> • TEKS-based options* • AP and IB options* • Dual credit options*

* Course lists for the various subject areas are included on following pages

Foundation Program

New Speech-Related Requirement

*A specific **speech** course is not required; however, in order to receive a high school diploma, a student must demonstrate proficiency, as determined by the district in which the student is enrolled, in:*

Delivering clear verbal messages

Choosing effective nonverbal behaviors

Listening for desired results

Applying valid critical-thinking and problem-solving processes

Identifying, analyzing, developing, and evaluating communication skills needed for professional and social success, interpersonal situations, group interactions, and personal and professional presentations

Foundation Program
Mathematics-Third Credit Option
<i>The third credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements from the following courses:</i>
*Mathematical Models with Applications
*Mathematical Applications in Agriculture, Food and Natural Resources
*Digital Electronics
*Robotics Programming and Design
Algebra II
Precalculus
Advanced Quantitative Reasoning
Independent Study in Mathematics
Discrete Mathematics for Problem Solving
Algebraic Reasoning (in development for implementation in 2015-16)
Statistics (in development for implementation in 2015-16)
AP Statistics
AP Calculus AB
AP Calculus BC
AP Computer Science
IB Mathematical Studies Standard Level
IB Mathematics Standard Level
IB Higher Mathematics Higher Level
IB Further Mathematics Higher Level
Engineering Mathematics
Statistics & Risk Management
Discreet Mathematics for Computer Science
<i>Mathematics</i> course endorsed by an IHE [pursuant to TEC, §28.025(b-5)]
Locally developed <i>mathematics</i> course or other activity, including an apprenticeship or training hours needed to obtain an industry-recognized credential or certificate [pursuant to TEC, §28.002(g-1)]
*Note: Courses with an asterisk are those that a student may take before or after a student's fourth math credit <i>if</i> seeking an endorsement.

Foundation Program
Science-Second Credit Option
<i>The second science credit must be selected from the following laboratory-based courses:</i>
Integrated Physics and Chemistry (IPC)
Chemistry
AP Chemistry
IB Chemistry
Physics
Principles of Technology
AP Physics 1: Algebra-Based
IB Physics

Foundation Program
Science-Third Credit Option
<i>The third science credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following laboratory-based courses:</i>
Chemistry
Physics
Aquatic Science
Astronomy
Earth and Space Science
Environmental Systems
AP Biology
AP Chemistry
AP Physics 1: Algebra-Based
AP Physics 2: Algebra-Based
AP Physics C
AP Environmental Science
IB Biology
IB Chemistry
IB Physics
IB Environmental Systems
Advanced Animal Science
Advanced Plant and Soil Science
Anatomy and Physiology
Medical Microbiology
Pathophysiology
Food Science
Forensic Science
Advanced Biotechnology
Principles of Technology
Scientific Research and Design
Engineering Design and Problem Solving
Principles of Engineering
Locally developed <i>science</i> course or other activity, including an apprenticeship or training hours needed to obtain an industry-recognized credential or certificate [pursuant to TEC, §28.002(g-1)]
<i>Science</i> course endorsed by an IHE [pursuant to TEC, §28.025(g-1)]

Foundation Program
LOTE Substitutions
<i>If a student, in completing the first credit of LOTE, demonstrates that the student is unlikely to be able to complete the second credit, the student may substitute another appropriate course as follows:</i>
Special Topics in Language and Culture
World History Studies or World Geography Studies (for a student who is not required to complete both by the district)
A different language course selected from LOTE Ch. 114
Computer programming languages
Note: The teacher of the first LOTE course, ARD committee, or §504 committee must agree to the determination regarding a student’s ability to complete the second credit of LOTE.
<i>A student, who due to a disability, is unable to complete two credits in the same language in LOTE, may substitute:</i>
A combination of two credits from English language arts, mathematics, science, or social studies
Two credits in career and technical education or technology applications
Note: The student’s ARD committee, or §504 committee must agree to the determination regarding a student’s ability to complete the LOTE credit requirements.

Foundation Program
Physical Education
<i>The P.E. credit may be selected from any combination of the following one-half to one credit courses:</i>
Foundations of Personal Fitness
Adventure/Outdoor Education
Aerobic Activities
Team or Individual Sports
<i>The following <u>substitution</u> courses may count toward the P.E. credit if the course provides 100 minutes of moderate to vigorous activity per five-day week, is not being used to satisfy another graduation requirement, and is in accordance with local district policy:</i>
TEKS-based course that meets the 100 minute activity requirement
Athletics, Junior Reserve Officer Training Corps (JROTC), and appropriate private or commercially sponsored physical activity programs conducted on or off campus that meet specified conditions and are approved by the commissioner of education
Drill Team, Marching Band, and Cheerleading
Note: No more than four credits may be earned through any combination of substitutions.
<i>A student who is unable to participate in P.E. <u>due to disability or illness</u> may substitute:</i>
An academic elective credit in English language arts, mathematics, science, or social studies
Locally developed <i>physical education</i> course or other activity, including an apprenticeship or training hours needed to obtain an industry-recognized credential or certificate [pursuant to TEC, §28.002(g-1)]
Note: The determination about a student’s ability to participate must be made by the ARD committee, §504 committee, or if an ARD or §504 committee is not applicable, a committee established by the district of persons with appropriate knowledge of the student.

Foundation Program
Fine Arts
<i>The fine arts credit may be selected from the following courses subject to prerequisite requirements:</i>
Art, Level I, II, III, or IV
Dance, Level I, II, III, or IV
Music, Level I, II, III, or IV
Theatre, Level I, II, III, or IV
Principles and Elements of Floral Design
Digital Art and Animation
3-D Modeling and Animation
In accordance with local district policy, a community-based fine arts program approved by the Commissioner of Education

Foundation Program
Electives
<i>The elective credits must be selected from:</i>
Locally developed course or other activity, including an apprenticeship or training hours needed to obtain an industry-recognized credential or certificate [pursuant to TEC, §28.002(g-1)] for which a student may receive credit and that does not satisfy a specific course requirement
High school courses not required for graduation as listed in Chapters 110–118, 126–127, and 130
State-approved innovative courses
JROTC (one–four credits)
Driver Education (one-half credit)
College Board AP and IB courses: <ul style="list-style-type: none"> • A single course may not count toward more than one credit for graduation • If an AP or IB course is substituted for a required course, that course may not satisfy a requirement for an advanced course, but may count for both a required course and an endorsement • May satisfy elective credit requirements
Courses offered for dual credit at or in conjunction with an IHE that provide advanced academic instruction beyond, or in greater depth than, the TEKS for the equivalent high school course may satisfy requirements for required courses, advanced courses, electives, and endorsements