

# **WINDTHORST HIGH SCHOOL**

**2022-2023  
COURSE GUIDE**



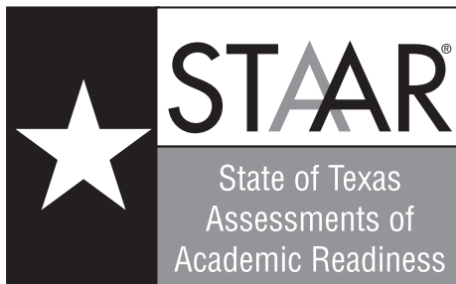
## General Information

### Advanced Coursework:

The following classes qualify for Advanced Courses that receive weighted grade points. They also count as honors level courses for eligibility purposes:

- Honors English I
- Honors English II
- Honors English III

### STAAR-EOC (End of Course Testing)



All high school students will be required to take and pass a STAAR-EOC (End of Course) assessment in the following subjects:

- Algebra I
- Biology
- English I
- English II
- US History

### Transcript Acknowledgements

- Instruction in Cardiopulmonary Resuscitation (CPR)
- Instruction on Proper Interaction with Peace Officers
- Instruction on “Stop the Bleed”
- Completion and submission of FAFSA

## DUAL CREDIT/COLLEGE COURSES

Dual Credit is the process by which students earn high school and college credit simultaneously.

**Benefits of taking Dual Credit Courses:**

- Gain first-hand experience with college-level work while attending high school
- Transition more smoothly between high school and college
- Transfer credits earned in high school to Texas public colleges and universities
- Complete a postsecondary degree faster
- Save money on college tuition

In order for a student to be eligible the following criteria must be considered:

**Recommended Prerequisites:**

- 3.0 Grade Point Average
- Teacher recommendation (as appropriate by course)
- Coursework prerequisites for high school course

**Required Prerequisites:**

- Parental consent
- Registration and Payments by/before deadline
- Passing scores on TSIA2: Math-950, ELAR-945, Essay-5
- TSIA2 exemption based on one of the following criteria:
  - met the minimum college readiness standard on the SAT or ACT;
  - have successfully completed college-level courses;
  - aren't seeking a degree.

**Guidelines:**

- Students must apply and be accepted into appropriate colleges.
- Applications and Dual Credit Approval forms must be turned into college.
- TSI test may be taken at Vernon College – must call the testing center to register. TSI is also given at WISD periodically in the spring and summer– must set up a time.
- Students must register for the course by the deadline.
- At this time, Dual Credit courses will cost students approximately \$150 per class plus books. This rate is allowed for 6 hours (2 classes) in the Fall and then again in Spring. Any additional classes during the summer will cost around \$275 per class plus books.
- Students need to submit a copy of their unofficial transcript to the counselor at the end of each semester in order for credit to be awarded.
- If a student receives an “F” one semester, they will not receive the College Connections funding for the next semester.
- College grades are not calculated into high school GPA.
- Courses:
  - US History
  - English IV
  - College Algebra

**TOP 10 PERCENT RULE FOR ADMISSION**

In accordance with the Texas Education Code (TEC), 51.803, a student is eligible for automatic admission to a Texas public college or university as an undergraduate student if the student earned a grade point average in the **top 10 percent** of the student's high school graduating class, and the applicant:

- successfully completed the requirements for the Recommended High School Program (RHSP) or the Distinguished Achievement Program (DAP);
- earned the distinguished level of achievement under the Foundation High School Program; OR
- met performance acknowledgement standards on ACT (28+ Comp) or SAT (410 EBR + and 520+ Math)

In accordance with Title 19 Texas Administrative Code (TAC), 5.5(e), high school rank for students seeking automatic admission to a general academic teaching institution on the basis of class rank is determined and reported as follows:

- Class rank shall be based on the end of the 11<sup>th</sup> grade, middle of the 12<sup>th</sup> grade, or at high school graduation, whichever is most recent at the application deadline.
- The top 10 percent of a high school class shall not contain more than 10 percent of the total class size.
- The student's rank shall be reported by the applicant's high school or school district as a specific number out of a specific total class size.
- Class rank shall be determined by the school or school district from which the student graduated or is expected to graduate.

**To qualify for automatic admission an applicant must:**

- (1) Submit an application before the deadline established by the college or university to which the student seeks admission; and
- (2) Provide a high school transcript or diploma that indicates whether the student has satisfied or is on schedule to satisfy the requirements of Distinguished Achievement.

Texas colleges and universities are required to admit an application for admission as an undergraduate student if the applicant is the child of a public servant who was killed or sustained a fatal injury in the line of duty and meets the minimum requirements, if any, established but the governing board of the college or university for high school or prior college-level grade point average and performance on standardized tests.

### **Performance Acknowledgements**

### **Dual Credit Acknowledgement**

A student may earn a performance acknowledgement on their transcript for outstanding performance in a dual credit course by successfully completing:

- At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0

### **Bilingualism and Biliteracy Acknowledgement**

A student may earn a performance acknowledgement on their transcript for outstanding performance in bilingualism and biliteracy as follows:

- Completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100

### **College Readiness Performance Acknowledgement**

A student may earn a performance acknowledgement on the student's diploma and transcript for outstanding performance on the PSAT, the ACT-PLAN, the SAT, or the ACT by:

- Earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation.
- Earning a score of 410 or higher on the evidence-based reading AND 520 on the mathematics section of the SAT, or
- Earning a composite score on the ACT examination of 28 (excluding the writing sub-score).

### **Business or Industry Certification**

A student may earn a performance acknowledgment on the student's diploma and transcript for earning a nationally recognized business or industry certification or license.

<b>Foundation Plan with Endorsement and Distinguished Level of Achievement Designation</b> (Recommended) 26 Credits	
4 English	English I English II English III English IV
4 Math	Algebra I Geometry Algebra II Advanced Math Course
4 Science	Biology Chemistry Physics or Advanced Science Advanced Science
3 Social Studies	World History US History Government / Economics
2 Foreign Languages	Spanish I Spanish II
1 Physical Education	
1 Fine Arts	
7 Elective Credits	

Students must complete the Distinguished Plan to be eligible for automatic admission to a Texas four-year college or university under the top 10% rule.

Students must have a 4<sup>th</sup> math (must include Algebra II), 4<sup>th</sup> Science, meet all curriculum requirements and have at least 1 Endorsement.

Students who wish to earn a distinguished level distinction should take as many Honors and Dual Credit courses as possible.

Students must also meet satisfactory scores on the English I, English II, Algebra I, Biology, and U.S. History End-of-Course (EOC) Exams. \*Students completing an EOC course in the spring of 2020 are exempt from STAAR EOC Exams per TEA Covid-19 guidelines.

# Windthorst ISD Graduation Plans

Implementation Required by House Bill 5

<b>Foundation Plan with Endorsement</b> (Recommended) 26 Credits	
4 English	English I English II English III English IV
4 Math	Algebra I Geometry Advanced Math Course Advanced Math Course
4 Science	Biology Chemistry Physics or Advanced Science Advanced Science
3 Social Studies	World History US History Government / Economics
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<b>Foundation Plan</b> 25 Credits	
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3 Social Studies	World History US History Government / Economics
2 Foreign Languages	Spanish I Spanish II
1 Physical Education	
1 Fine Arts	
8 Elective Credits	

All students must earn at least one endorsement in addition to their Foundation High School Program. Students may choose more than one endorsement but must choose at least one prior to entering grade 9. Students may change endorsements during their annual meeting and credit review with the school counselor.

Endorsement paths listed under each endorsement area are a recommended course sequence not a specific endorsement title or additional endorsement option.

**Science, Technology, Engineering, & Mathematics (STEM) - Endorsement**

All STEM endorsements must include Algebra II, Chemistry, and Physics

**Math – 5 credits**

Algebra I, Geometry, Algebra II, Pre-Calculus, & Independent Study in Math

**Science – 5 credits**

Biology, Chemistry, Physics, & 2 Advanced Science

**Business & Industry - Endorsement**

Principles **plus** 3 credits in Agriculture, Food & Natural Resources; or  
Principles **plus** 3 credits in Arts, Audio Visual Technology, & Communications

**Public Services - Endorsement**

Principles **plus** 3 credits in Health Science; or  
Principles **plus** 3 credits in Education & Training; or  
Principles **plus** 3 credits in Human Services

**Arts & Humanities - Endorsement**

Band – 4 credits

**Multidisciplinary Studies - Endorsement**

Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement or among endorsement areas that are not in a coherent sequence. Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics.



## **Career and Technology Education – Programs of Study**

In addition to selection of an endorsement, students will be tracked by participation in a Program of Study. Students will be counted as a Program of Study concentrator or completer based on the number of courses/credits a student takes within a Program of Study. Program of Study sequences below are state approved sequences based on courses offered at Windthorst High School. Course substitutions are allowed but will affect a student's status as a concentrator or completer.

### **Business and Industry - Endorsement**

#### **Environmental & Natural Resource – Program of Study**

- 1) Principals of Agriculture, Food & Natural Resource, 2) Wildlife, Fisheries, and Ecology Management, 3) Range Ecology Management, & 4) Practicum in Agriculture, Food & Natural Resource

#### **Applied Agricultural Engineering – Program of Study**

- 1) Principals of Agriculture, 2) Agricultural Mechanics & Metal Technology, 3) Agricultural Structures Design & Fabrications/Agricultural Power Systems, & 4) Agricultural Equipment Design & Fabrication/Practicum in Agriculture, Food, & Natural Resources

*\*May lead to a Welding Certification*

#### **Design & Multimedia Arts - Program of Study**

- 1) Principals of Arts, A/V Technology & Communications, 2) Digital Design & Media Production, 3) Digital Arts & Animation, 4) Practicum in Graphic Design & Illustration, & 5) Career Preparation 1

*\*May lead to an Adobe Certification*

### **Public Service - Endorsement**

#### **Health Science – Program of Study**

- 1) Principles of Health Science, 2) Health Science Theory/Clinical 3) Anatomy & Physiology, & 4) Practicum in Health Science

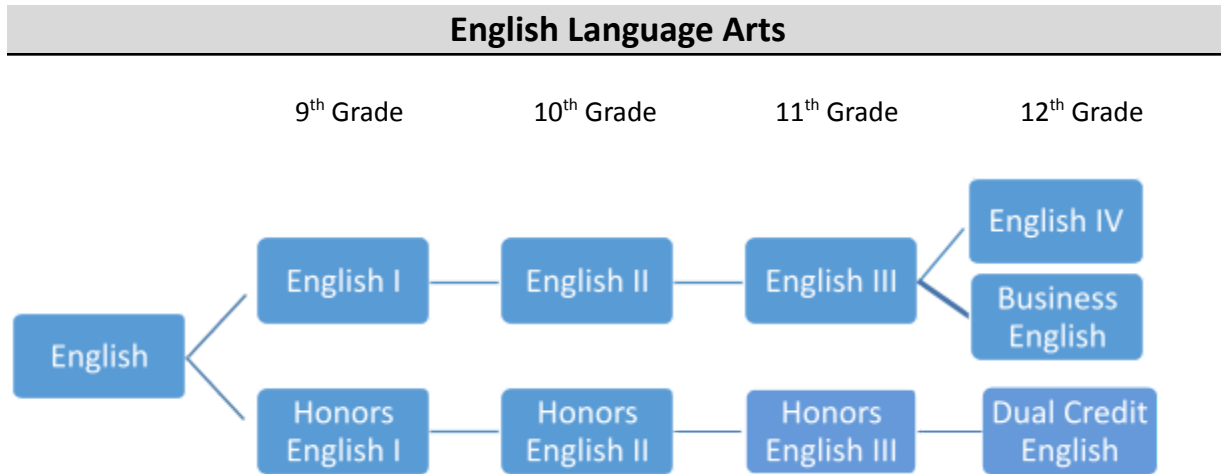
#### **Teaching and Training – Program of Study**

- 1) Principles of Education & Training 2) Communication & Technology in Education, 3) Instructional Practices, 4) Teaching Strategies, & 5) Practicum in Education & Training

#### **Family and Community Services – Program of Study**

- 1) Principles of Human Services, 2) Lifetime Nutrition and Wellness, 3) Child Development or Human Growth and Development, & 4) Counseling and Mental Health

**Course descriptions are designed to allow students to get a sense of what a course will cover in order to make better-informed decisions. Each course will cover the required TEA TEKS as designed for that course. The course descriptions are a summary of course content and does not include all course content.**



English students may choose to move from one path to another with teacher input and academic evidence to support switching paths.

**English I**

**Credit: 1**

**Grade: 9**

**Prerequisite: None**

Students in English I continue to increase and refine their communication skills. Students take their writing through all the steps of the writing process on a regular basis. In addition to planning and drafting, students revise for organization and idea development and edit their papers for clarity and the correct use of the conventions and mechanics of written English. They practice all forms of writing, including literary, narrative, expository, persuasive, interpretive, analytical, research, and procedural / work-related writing. English I students read extensively in multiple genres from world literature. They learn forms and terms associated with selections being read, develop comprehension and vocabulary skills to greater depth and complexity, and analyze elements of text for greater understanding and modeling for their own writing. This course addresses all of the essential knowledge and skills for English I and is designed to prepare students for the STAAR End-of-Course exam.

**Honors English I****Credit: 1****Grade: 9****Prerequisite: None**

This course is designed to prepare students for Honors English II. Students study language, composition, and literary skills throughout the year. Students read extensively both inside and outside class, including a summer reading requirement, in which literary analysis skills will be emphasized. A greater depth of study of the English language and more extensive and abundant practice in writing narrative, expository, persuasive, interpretive, analytical, research, and procedural / work-related pieces supplement the study of literature. This course addresses all of the essential knowledge and skills for English I and is designed to prepare students for the STAAR End-of-Course exam. **Note: Advanced courses address learning objectives with greater depth and a faster pace along with higher expectations for student performance. This is a Tier One course that will count as a weighted GPA course [See Academic Achievement Class Ranking policy EIC Local].**

**English II****Credit: 1****Grade: 10****Prerequisite: English I**

Students in English II continue to increase and refine their communication skills. Students take their writing through all the steps of the writing process on a regular basis. In addition to planning and drafting, students revise for organization and idea development and edit their papers for clarity and the correct use of the conventions and mechanics of written English. In English II, students practice all forms of writing, including narrative, literary, persuasive, interpretive, analytical, research, and procedural / work-related writing. Students read extensively in multiple genres from world literature, learning forms and terms associated with selections being read. This course addresses all of the essential knowledge and skills for English II and is designed to prepare students for the STAAR End-of-Course exam.

**Honors English II****Credit: 1****Grade: 10****Prerequisite: Honors English I or Teacher Recommendation**

This course is designed to prepare students for the Honors English III. Since the student enrolled in this course has already achieved a high degree of fluency in writing clearly and effectively, the language and composition study during the year is supplemented with advanced composition study based upon literary themes. Students read extensively both inside and outside class, in which literary analysis skills will be emphasized. Students will also write in various genres, including narrative, expository, persuasive, interpretive, analytical, research, and procedural / work-related pieces which supplement the study of literature. This course addresses all of the essential knowledge and skills for English II and is designed to prepare students for the STAAR End-of-Course exam. **Note: Advanced courses address learning objectives with greater depth and a faster pace along with higher expectations for student performance. This is a Tier One course that will count as a weighted GPA course [See Academic Achievement Class Ranking policy EIC Local].**

**English III****Credit: 1****Grade: 11****Prerequisite: English II**

Students in English III continue to increase and refine their communication skills. Students take their writing through all the steps of the writing process on a regular basis. In addition to planning and drafting, students revise for organization and idea development and edit their papers for clarity and the correct use of the conventions and mechanics of written English. In English III, students practice all forms of writing, including literary, narrative, expository, persuasive, interpretive, analytical, research, and procedural/work-related writing. English III students read extensively in multiple genres from American literature and other world literature. Students learn forms and terms associated with selections being read and are able to interpret the possible influences of the historical context on a literary work.

**Honors English III****Credit: 1****Grade: 11****Prerequisite: Honors English III or Teacher Recommendation**

This course is designed to prepare students for the Dual Credit English Composition course. Honors English III addresses the state TEKS and is a survey of American literature from the colonial to modern periods. The course emphasizes rhetoric and writing that requires students to develop evidence-based analytic and argumentative essays by learning to read critically, think analytically, and communicate clearly. The pace of this course is accelerated and at times requires extensive time out-of-class for both reading and writing.

**Note: Advanced courses address learning objectives with greater depth and a faster pace along with higher expectations for student performance. This is a Tier One course that will count as a weighted GPA course [See Academic Achievement Class Ranking policy EIC Local].**

**English IV****Credit: 1****Grade: 12****Prerequisite: English III**

Students in English IV continue to increase and refine their communication skills. Students take their writing through all the steps of the writing process on a regular basis. In addition to planning and drafting, students revise for organization and idea development and edit their papers for clarity and the correct use of the conventions and mechanics of written English. In English IV, students are expected to write in a variety of forms, including literary, narrative, expository, persuasive, interpretive, analytical, research, and procedural/work-related writing. English IV students read extensively in multiple genres from British literature and other world literature. Students learn forms and terms associated with selections being read, and they interpret the possible influences of the historical context on a literary work.

**Business English****Credit: 1****Grade: 12****Prerequisite: English III**

Students in Business English enhance communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology.

**Dual Credit Composition I / II**

**Credit: 1**

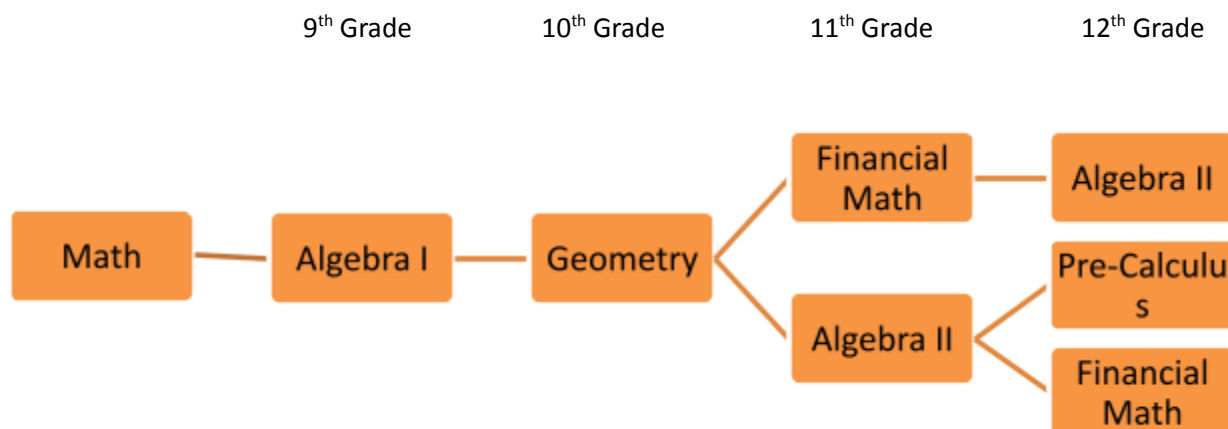
**Grade: 12**

**Prerequisite: Honors English III or Teacher Recommendation & Students Must Apply and Meet College Admission Requirements**

**Dual Enrollment is required for 6 hrs. of college credit.**

Composition I is an intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaborative. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Composition II is an intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. *Successful completion of this course will provide credit for the high school English IV requirement and dual credit through Vernon College. Dual Credit courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.*

## Mathematics



### Algebra I

**Credit: 1**

**Grade: 9**

#### Prerequisite: None

The primary focus for students in this course is developing logical reasoning by making and justifying generalizations based on their experiences with fundamental algebraic concepts, especially functional relationships and problem solving in real situations. Linear and quadratic functional relationships are examined in a variety of problem situations, and these functions form the basis for the study of equations and the development of algebraic skills. Students use a variety of representations (concrete, numerical, algorithmic, graphical) and tools as well as having regular access to technology that allows function plotting, coordinate graphing, algebraic analysis, and computation. This course addresses all of the essential knowledge and skills for Algebra I and is designed to prepare students for the STAAR End-of-Course exam.

### Geometry

**Credit: 1**

**Grade: 10**

#### Prerequisite: Algebra I

This course addresses the components of the basic structure of geometry such as dimensionality, congruence, and similarity through the study of size, shape, location, and direction relationships. Connections to algebra and to the world outside of school are generated through a variety of applications and settings. Students use a variety of representations (concrete, numerical, algorithmic, graphical) as well as having regular access to technology that allows geometric constructions, coordinate graphing, algebraic analysis, and computation.

### Algebra II

**Credit: 1**

**Grades: 11-12**

#### Prerequisite: Geometry

**Advanced Math Credit**

The primary focus for students in this course is developing logical reasoning by making and justifying generalizations based on their experiences with fundamental as well as advanced algebraic concepts, especially functional relationships and problem solving in real situations. Building on the study of linear and quadratic functions from first-year algebra and the study of size, shape, location, and direction relationships from geometry, functional relationships are extended to

include radical, rational, exponential, and logarithmic functions. These functions are examined in a variety of problem situations and form the basis for the study of equations and the development of algebraic skills. Students use a variety of representations (concrete, numerical, algorithmic, graphical) and tools as well as having regular access to technology that allows function plotting, coordinate graphing, algebraic analysis, and computation. This course addresses the essential knowledge and skills for second-year algebra and, therefore, is an excellent preparation for college entrance examinations (SAT, ACT, etc.) and further study in mathematics.

**Financial Math**

**Credit: 1**

**Grades: 11-12**

**Prerequisite: Algebra I and Geometry**

The students will learn to set goals and create a general financial plan that can be used their entire lives. The main topics of discussion are Goal setting, Budgets and Balance Sheets, Careers and College readiness; the Economy, Taxes, Insurance, Credit, Credit Cards, Financing a Home, Banking Services, Investments, and Retirement.

**Pre-Calculus**

**Credit: 1**

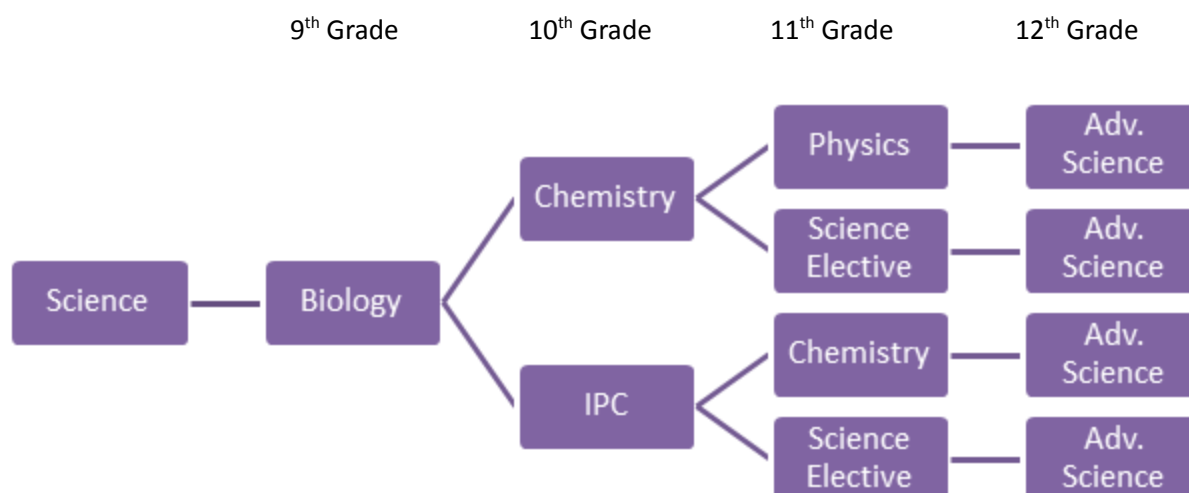
**Grades: 12**

**Prerequisite: Algebra II**

**Advanced Math Credit**

In this course, students use symbolic reasoning and analytical methods to represent mathematical situations, to express generalizations, and to study mathematical concepts and the relationships among them. Students use functions, equations, and limits as useful tools for expressing generalizations and as means for analyzing and understanding a broad variety of mathematical relationships. Students also use functions as well as symbolic reasoning to represent and connect ideas in geometry, probability, statistics, trigonometry, and calculus and to model physical situations. Students use a variety of representations (concrete, numerical, algorithmic, and graphical), tools, and technology to model functions and equations and solve real-life problems. This course addresses the essential knowledge and skills for pre-calculus and, therefore, is an excellent preparation for college entrance examinations (SAT, ACT, etc.) and further study in mathematics.

## Science



### **Biology**

**Credit: 1**

**Grades: 9**

#### **Prerequisite: None**

Biology provides instruction that allows students to conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment.

### **Integrated Physics and Chemistry (IPC)**

**Credit: 1**

**Grades: 10**

#### **Prerequisite: None**

This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. Integrated Physics and Chemistry provides students with field and laboratory investigations, which are used to learn about the natural world. Through the investigations, students will use scientific methods and scientific inquiry to make informed decisions using critical-thinking and scientific problem solving.

### **Chemistry**

**Credit: 1**

**Grades: 10-11**

#### **Prerequisite: Biology & Algebra I**

Chemistry provides instruction that allows students to conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gasses; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives.



**Physics** **Credit: 1** **Grades: 11-12**  
**Preferred Prerequisite: Biology & Alg II or Concurrent Enrollment in Alg II** **Advanced Science Credit**

Physics provides instruction that allows students to conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics. This course provides students with a conceptual framework, factual knowledge, and analytical and scientific skills.

**Anatomy & Physiology** **Credit: 1** **Grades: 12**  
**Prerequisite: Biology & Chemistry** **Advanced Science Credit**

Anatomy and Physiology is a laboratory-oriented course in which students investigate the structures and functions of the components of the human body. The course presents investigation of the specialization of cells, how cells function cooperatively as tissue and organs, and the interrelationships of systems that result in a living organism. The course offers students opportunities to investigate anatomical structures and regulating mechanisms that influence how systems function. These concepts may be reinforced through application in a medical facility. The course is designed to build a knowledge base for those students who wish to pursue a medically related career.

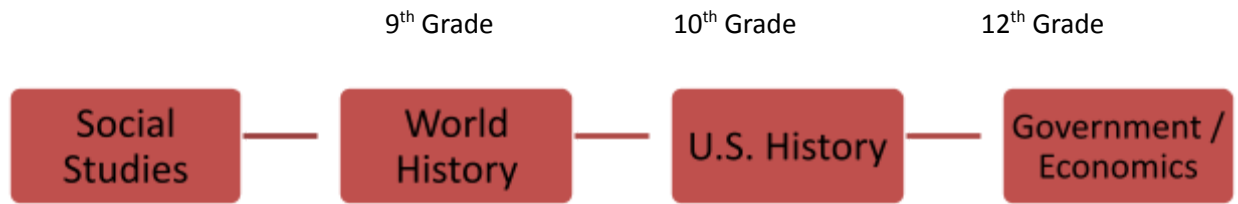
**Environmental Systems** **Credit: 1** **Grades: 11-12**  
**Prerequisite: Biology & Chemistry** **Advanced Science Credit**

In this course, students will conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments.

**Forensic Science** **Credit: 1** **Grades: 12**  
**Prerequisite: Biology & Chemistry** **Advanced Science Credit**

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

## Social Studies



### **World History**

**Credit: 1**

**Grades: 9**

#### **Prerequisite: None**

This course includes the study of the history and development of a variety of world cultures, past and present. Opportunities are provided for students to compare and analyze various ways of life and cultural patterns, emphasizing the diversity and commonality of human experiences and the understanding of how these patterns occurred over time. A study of contemporary world affairs is an essential part of the course.

### **United State History**

**Credit: 1**

**Grades: 10**

#### **Prerequisite: World History**

The United States History course covers significant people, issues, and events after the Reconstruction Era of 1877 and continuing through the 20th Century to the present. Opportunities are provided for students to examine and analyze the economic, political, and social impact of the nation's historical events through compare and contrast, cause/effect relationships, and other critical thinking and writing processes. This course addresses all of the TEKS for U. S. History and is designed to prepare students for the STAAR program US History EOC exam.

### **Dual Credit United State History**

**Credit: 1**

**Grades: 10**

#### **Prerequisite: Students Must Apply and Meet Vernon College Admission Requirements**

#### **Dual Enrollment in US History 1302 & 1302 required for 6 hrs. of college credit.**

This college-level course emphasizes the history of the United States beginning with the European discoveries in the New World and includes political, economic, and social history to the present time. The course is fast-paced and uses college-level textbooks and resources. Students will be expected to demonstrate advanced skills in reading, writing, analysis, research, and independent study. Successful completion of this course will provide credit for the high school US History requirement and dual credit through Vernon College. \*Dual Credit courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.

### **United State Government**

**Credit: .5**

**Grades: 12**

#### **Prerequisite: United State History**

The course provides opportunities for students to explore the political and governing processes, elements of political theories, and governmental structures, powers, and functions at the national, state, and local levels. Significant focus of the course is on the US Constitution and Amendments.

**Economics & Free Enterprise****Credit: .5****Grades: 12****Prerequisite: United State History**

This course is a comprehensive study of the American free enterprise economic system. It includes the study of the basic economic concepts, the market system, American business and labor, money and banking, business cycles, the role of government in free enterprise, and comparative economic systems. The concepts of personal financial literacy are to be mastered by students in order that they may become self-supporting adults who can make informed decisions relating to personal financial matters, and these concepts are incorporated into the student expectations of this course.

## Physical Education

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### **Athletics I-IV**

**Credit: 1**

**Grades: 9-12**

#### **Prerequisite: None**

Competitive athletic programs are available for boys and girls throughout the school year. As a rule, students who are in athletics are required to remain in some phase of the program throughout the year.

## Foreign Language

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### **Spanish I**

**Credit: 1**

**Grades: 10**

#### **Prerequisite: None**

The beginning secondary course emphasizes communication, especially listening and speaking skills, in relevant contexts. The course uses the functional approach that relates each grammar point to its function or role in communication. Students are presented with opportunities to learn cultural customs and practices from the contexts of the activities.

### **Spanish II**

**Credit: 1**

**Grades: 11**

#### **Prerequisite: Spanish I**

The course is the continuation of the basic Spanish program. Using a function-oriented approach combined with a grammar sequence, the course broadens the student's ability to communicate in Spanish in a variety of contexts. Students will increase their knowledge of Hispanic culture, art, and history.

### **Spanish III**

**Credit: 1**

**Grades: 12**

#### **Prerequisite: Spanish II**

This course continues the development of language skills for communication. It includes conversational situations, vocabulary development for reading and expression, and reasonable fluency both orally and in writing. Students continue to increase their knowledge of Hispanic culture, art, and history.

## Fine Arts

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**Band** **Credit: 1** **Grades: 9-12**

**Prerequisite: None / Middle School Band Experience Preferred**

These are BAND courses offering a fine arts credit required for graduation. Band is open to students with some previous experience in band who desire to improve their abilities in technical, rhythmical, and musical aspects of playing their instruments.

**Art** **Credit: 1** **Grades: 9-12**

**Prerequisite: None**

This course is a beginning art class covering perception, creative expression, art history, and aesthetic judgment. All art work will illustrate, compare, and contrast the elements of art. Students will demonstrate proper use of various art media, compare and contrast different art styles and trends throughout history and apply aesthetic judgment in evaluating artwork.

**Theatre Arts** **Credit: 1** **Grades: 9-12**

**Prerequisite: None**

Students will study the fundamentals of theatre including basic acting techniques, movement, voice and diction, and theatre history. Students will gain experience in basic technical theatre techniques such as: set construction, lighting operation and design basics, sound operation and design basics, and costume construction. Theatre Arts students will be expected to act in front of the classroom at various times throughout the school year as well as participate in UIL One-Act play.

**Floral Design** **Credit: 1** **Grades: 9-12**

**Prerequisite: None**

This course is designed to develop a student's ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Horticulture systems, career opportunities, entry requirements, and industry expectations will also be covered. The course satisfies the fine arts credit required for graduation. \*This course qualifies as a CTE course and is taught through the Agriculture Department.

## Journalism and Yearbook

**Journalism** **Credit: 1** **Grades: 9-12**

**Prerequisite: None**

This course represents an overview of the field of journalism and is a writing intensive and critical thinking course. Students should have a good foundation in writing. Topics covered include the history of the American media; fundamentals of news; feature, sports and editorial writing; introductions to newspaper editing, layout and design; desktop publishing; and yearbook production.

**Yearbook** **Credit: 1** **Grades: 10-12**

**Preferred Prerequisite: Journalism**

This course involves the elements and process of magazine and newspaper journalism. Students will learn the basic elements of news writing, designing layouts, advertising, and ethics to create a school yearbook for all three WISD campuses.

## Other Elective Courses

**Drones** **Credit: 1** **Grades: 11-12**

**Prerequisite: None**

Learn the basics of drone operation, and dive into the FAA 107 regulations that direct the industry. Students who complete the course will receive a Certificate of Completion from Ranger College, as well as 2.5 Continuing Education Units. The Certificate of Completion does not equate licensing. You will have the opportunity to take the 107 FAA test to obtain proper licensing.

**Sports Training** **Credit: 1** **Grades: 11-12**

**Prerequisite: None**

**Library Aide** **Credit: 1 Local** **Grades: 12**

**Prerequisite: Approved Application**

Students serving as office assistants will be responsible to an assigned staff member and must report one period each day to perform primarily clerical duties to expedite necessary documentation for the library and offices.

**Early Release** **Credit: 0** **Grades: 11-12**

**Prerequisite: None**

Students who have earned enough credits and are on track to graduate on time may opt to take 8<sup>th</sup> Period Early Release. Students must leave campus after their last class if they have Early Release.

**Late Arrival** **Credit: 0** **Grades: 12**

**Prerequisite: None**

Students who have earned enough credits and are on track to graduate on time may opt to take 1st Period Late Arrival. Students must report to campus on time for their 2nd period class.

## Career and Technical Education (CTE)

### Agriculture Department

#### Principles of Agriculture, Food, and Natural Resources (PAFNR)

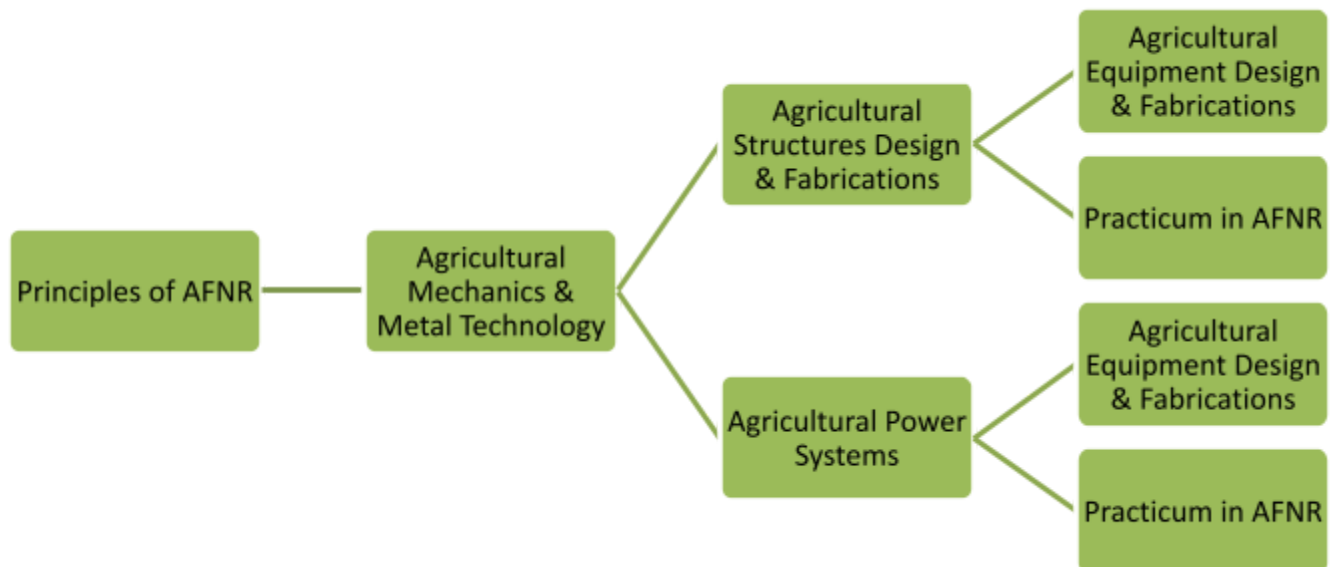
**Prerequisite:** None

**Credit:** 1

**Grades:** 9-12

This principles class is a comprehensive course covering the broad field of agriculture including career planning and expectations, agricultural industry and its global importance, agriculture leadership organizations (FFA), agriculture research, food and fiber production, animal and plant science, environmental science, basic mechanical skills, and personal and communication skills.

#### Applied Agricultural Engineering – Program of Study



#### Agricultural Mechanics & Metal Technology

**Credit:** 1

**Grades:** 10-12

**Prerequisite:** Principles of Agriculture, Food, and Natural Resources (PAFNR)

This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, painting, concrete, and metalworking techniques; specialty welding and cutting techniques; use of oxy-fuel equipment and electric arc welding equipment; cost effective construction techniques; and specialized non-metallic fabrication techniques. Basic terminology, mathematical computations, and application of scientific principles related to agricultural metal fabrication technology will be reinforced.

**Agricultural Structures Design and Fabrication****Credit: 1****Grades: 11-12****Prerequisite: Agricultural Mechanics & Metal Technology**

To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. The student demonstrates principles of facilities design and fabrication related to agricultural structures.

**Agricultural Power Systems****Credit: 2****Grades: 11-12****Prerequisite: Agricultural Mechanics & Metal Technology**

Agricultural Power Systems is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings.

**Agricultural Equipment Design and Fabrication****Credit: 1****Grades: 11-12****Prerequisite: Agricultural Mechanics & Metal Technology**

This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To be prepared for careers in agricultural power students should attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding careers, entry requirements, industry certifications, and industry expectations.

**Practicum in AFNR****Credit: 2****Grades: 12****Prerequisite: 3 coherent sequence of courses in Endorsement Pathway**

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experience can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster.



## Environmental & Natural Resources – Program of Study



### **Wildlife, Fisheries and Ecology Management**

**Credit: 1**

**Grades: 10-12**

#### **Preferred Prerequisite: Principles of Agriculture, Food, and Natural Resources (PAFNR)**

This course examines the management of game and nongame wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. Students will have an opportunity to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Students will discuss administrative policies, laws related to wildlife and fish management; and identify basic ecological concepts.

### **Range Ecology Management**

**Credit: 1**

**Grades: 11-12**

#### **Prerequisite: Wildlife, Fisheries and Ecology Management**

Range Ecology and Management is designed to develop students' understanding of rangeland ecosystems and sustainable forage production. To prepare for careers in environmental and natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to environmental and natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

### **Practicum in AFNR**

**Credit: 2**

**Grades: 12**

#### **Prerequisite: 3 coherent sequence of courses in Endorsement Pathway**

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experience can occur in a variety of locations appropriate



to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster.

## Business Department

### Design and Multimedia Arts - Program of Study

**Principles of Arts, A/V Technology, & Communications**                      **Credit: 1**                      **Grades: 8-10**

**Prerequisite: None**

The goal of this course is for the student to understand arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. Coursework will include online activities and independent projects.

**Digital Design & Media Production**    **Credit: 1**                      **Grades: 9-10**

**Prerequisite: Principles of Arts/AV, Tech & Communications**

We have just recently purchased ADOBE, which we have started to implement. Adobe Creative Cloud is a set of applications and services that allow graphic designing, video editing, web development, photography, along with other software. In Digital Media we mainly emphasize Photoshop, which works with pixel-based images and has powerful editing tools that let you correct exposure and color balance, crop and straighten images, alter colors, or combine multiple images into a new scene.

**Digital Art & Animation**    **Credit: 1**                      **Grades: 10-11**

**Prerequisite: Digital Design & Media**

In Digital Art we mainly use Google's free project-based online video curriculum that teaches practical digital skills for real-life application. Digital Skills helps people use tools and applications to complete projects or tasks on a computer, tablet or mobile device. The students learn the 5 Main Digital skills one needs to know: Communicating, handling information and content, transacting, problem solving, and being safe and legal online.

**Practicum in Graphic Design & Illustration**    **Credit: 2**                      **Grades: 11-12**

**Prerequisite: Digital Art & Animation**

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in Arts, Audio/Visual Technology, and Communications. Students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Since, practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience, students are encouraged to seek out local options for coursework outside the school day related to their field of interest. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. **\*\*May lead to an Adobe Certification\*\***

**Career Preparation I**    **Credit: 2**                      **Grades: 11-12**

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques,

communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

- Students must gain employment on their own and sustain employment throughout the course.
- Students must remain in good academic standing in all courses in school.
- Students must provide proof of paid employment by submitting their pay stubs to the instructor.

## Public Services Department

### Health Science - Program of Study

**For the 2022-2023 school year, Junior and Senior students may take Principles of Health Science and Health Science Theory concurrently.**



#### **Principles of Health Science**

**Credit: 1**

**Grades: 9-12**

##### **Prerequisite: None**

This course will give students who are interested in working in healthcare a foundation in medical terminology, medical math, and an overview of different health careers. The class will also teach communication techniques, medical legal and ethics, and an overview of human anatomy and physiology. **This class is a recommended prerequisite for Nursing Assistant or Medical Assisting classes.**

#### **Health Science Theory/Clinical**

**Credit: 2**

**Grades: 10-12**

##### **Prerequisite: Principles of Health Science and Biology**

##### **Recommended Co-requisite: Health Science Clinical**

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

The Health Science Clinical course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

#### **Anatomy & Physiology**

**Credit: 1**

**Grades: 11-12**

##### **Prerequisite: Biology & Chemistry**

##### **Advanced Science Credit**

Anatomy and Physiology is a laboratory-oriented course in which students investigate the structures and functions of the components of the human body. The course presents investigation of the specialization of cells, how cells function cooperatively as tissue and organs, and the interrelationships of systems that result in a living organism. The course offers students opportunities to investigate anatomical structures and regulating mechanisms that influence how systems function. These concepts may be reinforced through application in a medical facility. The course is designed to build a knowledge base for those students who wish to pursue a medically related career.

**Practicum in Health Science**

**Credit: 2**

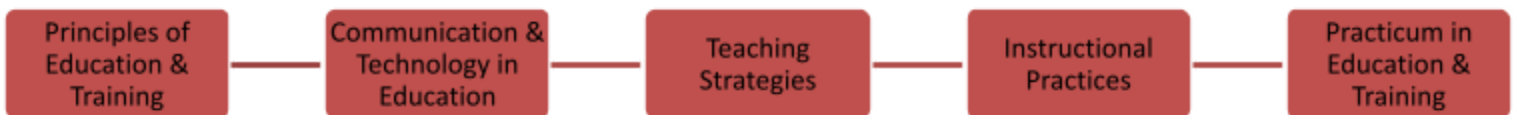
**Grades: 12**

**Preferred Prerequisite: 3 coherent sequence of courses in Endorsement Pathway**

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

**For the 2022-2023 school year and as we introduce this program, Juniors and Seniors will be eligible for some of the advanced level programs without fulfilling the preferred prerequisite requirement.**

**Teaching and Training - Program of Study**



**Principles of Education & Training**

**Credit: 1**

**Grades: 9-12**

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student’s interest area. Students are encouraged to participate in extended learning experiences such as career and technical student organizations.

**Communication & Technology in Education**

**Credit: 1**

**Grades: 10-11**

**Prerequisite: Principles of Education & Training**

Communication and Technology in Education will provide students with the fundamentals of planning, managing and training services needed to provide learning support services in K-12 classrooms. Students will develop knowledge and skills regarding the professional, ethical, and legal responsibilities in teaching related to educational technology; as well as, understand laws and pedagogical justifications regarding classroom technology use.

**Teaching Strategies**

**Credit: 1**

**Grades: 11-12**

**Prerequisite: Communication & Technology in Education**

**Instructional Practices****Credit: 2****Grades: 11-12****Prerequisite: 3 coherent sequence of courses in Endorsement Pathway**

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

**Practicum in Education & Training****Credit: 2****Grades: 12****Prerequisite: 3 coherent sequence of courses in Endorsement Pathway**

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. Students are encouraged to participate in extended learning experiences such as career and technical student organizations. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

**Family and Community Services - Program of Study****Principles of Human Services****Credit: 1****Grades: 8-12****Prerequisite: None**

Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

**Lifetime Nutritional and Wellness****Credit: .5****Grades: 9-12****Prerequisite: Principles of Human Services**

Look, perform, feel your best through this project-based laboratory course which allows students to explore lifetime wellness and nutrition through hands-on experiences. Students will learn to make informal choices that promote healthy living and lifestyles. Food lab experiences are designed to provide opportunities to explore careers in hospitality and tourism, education and training, human services, and health sciences. This course will be paired with the Interpersonal Studies course.

**Interpersonal Studies****Credit: .5****Grades: 9-12****Prerequisite: Principles of Human Services**

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services. This course will be paired with the Lifetime Nutritional and Wellness course.

**Human Growth & Development****Credit: 1****Grades: 10-12****Prerequisite: Principles of Human Services**

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

**Child Development****Credit: 1****Grades: 10-12****Prerequisite: Principles of Human Services**

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

**Counseling & Mental Health****Credit: 1****Grades: 11-12****Prerequisite: 3 coherent sequence of courses in Endorsement Pathway**

This course is designed to familiarize the students with functions of mental health as well as careers associated with mental health. The students will learn about the history and organization of mental health services, models of service delivery, multicultural factors, systemic issues, advocacy for the mentally ill, legal and ethical guidelines, and issues related to diagnosis and treatment, as well as learning basic employability skills.