



**LIBERTY CREEK HIGH SCHOOL**  
**COURSE CATALOG**  
**2025-2026**

Welcome Families,

We are excited to have you as a part of our Wolfpack next year as you begin the registration process for Liberty Creek High School. We are proud to offer a wide range of classes, working to provide our students with an experience that will challenge them academically and give them the opportunity to explore their interests outside of their core classes.

Our process is set up to allow our Freshmen and Sophomores to use their electives to explore a variety of class offerings, while Juniors and Seniors will have the opportunity to delve more deeply into a particular field of study. We hope that this course catalog provides you with the information needed to begin discussing and planning for your child's upcoming course load.

When it comes time to register for classes, students will bring in their registration requests card and meet with a member of the LCHS counseling team to discuss graduation requirements, their four-year plan, and potential pathways we offer. We ask that you and your student read and complete the following guidelines to be prepared for your scheduling meeting:

- Review and discuss academic options with your student.
- Look beyond the current year scheduling to recognize future class opportunities and their necessary pathways.
- Carefully consider elective focus options.
- Evaluate the different levels of challenge (AP®, DE, Honors, Standard) relative to work ethic and academic abilities.
- Devote time to selecting alternate classes beyond those that are required.

Sincerely,

*Phillip Holt, Ed.D.*

Principal  
Liberty Creek High School

# **Administration**

**Dr. Phillip Holt**  
Principal

**Kelly Sanford**  
Assistant Principal, A-F

**Brandon Smart**  
Assistant Principal, G-M

**Julie Fitzpatrick**  
Assistant Principal, N-Z

# Counseling Department

**Marissa Kincaid**

School Counselor, A-F

**Amber Falise**

School Counselor, G-M

**Elizabeth Choate**

School Counselor, N-Z

**Brittany O'Brien**

Registrar

**Brittany Tate**

Counseling Clerk

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# General Information

## Classification of Students

Students will be classified by both their tenure at LCHS, as well as by the credits they have earned. Classification will be evaluated at the beginning of both the Fall and Spring semesters.

All students in grades nine through twelve will be required to register for five classes for each of their eight terms. A senior in his/her fifth year of high school who is at least eighteen (18) years of age or older will be required to take only those courses needed for graduation.

<b>Freshmen</b>	A student who has satisfactorily completed the eighth grade
<b>Sophomore</b>	A student who is in the second year of high school and has satisfactorily completed 6 credits
<b>Junior</b>	A student who is in the third year of high school and has satisfactorily completed 12 credits
<b>Senior</b>	A student who is in the fourth year of high school and has satisfactorily completed 18 credits

## Classification of Courses

Liberty Creek High School will offer the following levels of courses:

<b>Advanced Placement</b>	These courses are designed around preparing students to successfully complete an Advanced Placement test relative to the course, with the potential to earn college credit.
<b>Dual Enrollment</b>	These courses are for high school Juniors and Seniors to earn both Honors high school credit and college credit upon successful completion of college level courses. Dual Enrollment classes can meet on the high school campus or on the college/university campus. Students and parents are required to complete the Dual Enrollment Transportation Agreement form before enrolling in off site courses. <small>**9th and 10th graders can take Dual Enrollment courses with the grant if they are through TCAT.</small>
<b>Honors</b>	These courses are designed to help prepare students for the rigor of collegiate courses. They are for students with a desire to work beyond the standard pace and skill level.
<b>Standard</b>	These courses are offered at the pace and skill level expected of a typical high school student.
<b>Resource</b>	These courses are only open to students who have been placed there by an IEP team.

## Grade Reporting

Grade reporting for State of Tennessee state-mandated content tests will be in compliance with Sumner County Board of Education policy IHAA. Grades will be reported officially to parents and students after each nine weeks of instruction. The nine-week grading period will stand alone, and each marking period will be averaged as 42.5% of the final grade. Progress reports will be issued at the mid-point of each nine-week grading period. A formal schedule of examinations will be established. The weight of the EOC examination on the student's final average shall be 15%. In courses without an EOC examination, the final exam for that course will account for that 15%.

## Rigor Points

AP® Classes	Five (5) points shall be added to the course's final numerical grade for coursework for students who sit for the aligned culminating exam. Please check <a href="https://apstudents.collegeboard.org/getting-credit-placement/search-policies">here</a> for potential transfer of credit options: (https://apstudents.collegeboard.org/getting-credit-placement/search-policies)
Dual Enrollment Classes	Five (5) percentage points will be added to the student's final numerical grade for coursework.
Dual Credit Courses and Capstone Industry Certification Classes	Four (4) points shall be added to the student's final numerical grade for coursework.
Honors Classes	Three (3) points shall be added to the course's final numerical grade for coursework.

*\*Additional rigor points are not added to end-of-course assessments.*

## Final Exam Policy

Students at Liberty Creek High School will be required to take a final exam in all classes unless you are a Senior. In order to provide an equitable course experience for all of our students, and to more accurately assess the knowledge and understanding that the student has gained over the course of the semester, LCHS will **not** offer an exemption policy to students who are not Seniors. Our Senior exemption policy can be found in our Student Handbook.

## Credit Recovery

Credit Recovery is a course specific, skill-based extended learning opportunity for students who have previously been unsuccessful in the regular classroom in mastering content or skills required to receive course credit. The student must complete all course tests while in the supervised computer lab. To be eligible for the Credit Recovery program, a student must have earned a grade of 50-59 in the original course. To recover the credit, a student must demonstrate mastery in the Credit Recovery course curriculum which is aligned with Tennessee Academic Standards approved by the State Board of Education. The student will earn a standard level credit for the course if the course is passed and a grade of a 60%. The Credit Recovery grade will be recorded on the student's transcript as a separate grade will be calculated into the student's GPA. It does not replace the "F" in the original course, but it no longer counts in the GPA.

# Summer School Statement

Transfer credit for summer school will be accepted from schools approved by state boards of education and posted on a high school transcript. All summer credits will be posted to the previous spring semester.

## Schedule Changes

A high school sets its sections and builds its master schedule based entirely on student requests for courses. The spring registration process determines the courses the school will offer the following school year. Once the master schedule has been created, students are obligated to take the courses that they initially requested. Students, therefore, should plan their schedules in a thoughtful, careful manner to match their abilities and educational goals. Schedule change request will only be considered for extenuating circumstances.

### **The Board of Education procedure for schedule changes is as follows:**

- i. Students register in the spring for the next academic year's courses.
- ii. Prior to the beginning of the term, students will have an opportunity to make a schedule adjustment request. Student initiated schedule changes may be requested during the first two days of the term and are subject to approval by the school administration.
- iii. Students enrolled in courses with End of Course examinations may not withdraw from such a course for the remainder of the course after being enrolled in the course for at least twenty-five percent (25%) of the instructional days in a course.
- iv. Other schedule changes may be made during the term if extenuating circumstances exist, and the school administration approves the changes.

## Repeating a Course

Students may only repeat a course if the student did not receive a passing grade on the original attempt.

# Graduation Information

## Graduation Ceremony:

No student will be permitted to participate in graduation ceremonies in Sumner County until all requirements for graduation have been satisfactorily completed. Additionally, specific requirements and expectations for the ceremony itself will be given to graduating Seniors and their parents prior to the event.

## Diplomas:

Graduation requirements are established by the Tennessee State Board of Education and the Sumner County Board of Education. With regard to graduation requirements, a diploma will be awarded as described below:

### **High School Diploma**

The graduation requirements and additional courses required for postsecondary/workforce training readiness will be tied to the vision of the high school graduate and to the Tennessee Academic Standards. To earn a regular high school diploma, students must (1) earn the prescribed credit minimum, (2) complete the ACT or SAT if enrolled in a Tennessee public school during their eleventh (11th) grade year, (3) meet the civics requirements, and (4) have a satisfactory record of attendance and discipline.

Schools will minimize tracking of students by ability, eliminate central classes taught below the college preparation level, and provide all students a challenging course of study. Students with disabilities will be included in regular classes to the maximum extent possible and with appropriate support and accommodations. To earn a regular high school diploma, students with disabilities must earn the prescribed credit minimum.

### **Special Education Diploma**

A special education diploma may be awarded at the end of their fourth (4th) year of high school to students with disabilities who have (1) not met the requirements for a regular high school diploma, (2) received special education services or supports and made satisfactory progress on an individualized education program (IEP), and (3) have satisfactory records of attendance and conduct. Students who obtain the special education diploma may continue to work toward a regular high school diploma through the end of the school year in which they turn twenty-two (22) years old.

## **Occupational Diploma**

An occupational diploma may be awarded to students with disabilities at the end of their fourth year of high school who have (1) not met the requirements for a regular high school diploma, (2) received special education services or supports and made satisfactory progress on an IEP, (3) have satisfactory records of attendance and conduct, (4) have completed the occupational diploma Skills, Knowledge, and Experience Mastery Assessment (SKEMA) created by the Tennessee Department of Education, and (5) have completed two (2) years of paid or non-paid work experience. The determination that an occupational diploma is the goal for a student with a disability will be made at the conclusion of the student's tenth (10th) grade year or two (2) academic years prior to the expected graduation date. Students who obtain the occupational diploma may continue to work toward a regular high school diploma through the end of the school year in which they turn twenty-two (22) years of age.

## **Alternate Academic Diploma**

Beginning with students entering the ninth (9th) grade in 2018, an alternate academic diploma may be awarded to students with the most significant cognitive disabilities at the end of their fourth (4th) year of high school who have:

- I. participated in the high school alternate assessments,
- II. earned the prescribed twenty-two credit minimum,
- III. received special education services or supports and made satisfactory progress on an IEP,
- IV. have satisfactory records of attendance and conduct, and
- V. have completed a transition assessment(s) that measures, at a minimum, postsecondary education and training, employment, independent living, and community involvement. The required credits may be earned either through the state-approved standards or through alternate academic diploma course requirements defined by the Department of Education. A student who earns an alternate academic diploma shall continue to be eligible for special education services under IDEA until the student receives a regular high school diploma or through the school year in which the student turns twenty-two.

# Graduation Requirements

The following 26 units shall be required for graduation unless the student qualifies for graduation under the “Move on When Ready” law.

English Language Arts	4
Mathematics <sup>1</sup>	4
Science <sup>2</sup>	3
Social Studies <sup>3</sup>	3
World Language	2
Fine Arts <sup>4</sup>	1
Wellness	1
Physical Education	.5
Personal Finance	.5
Elective Focus <sup>5</sup>	3
Additional Sumner Co. Electives <sup>6</sup>	4
<b>Total Credits Required</b>	<b>26</b>

<sup>1</sup> Students must complete four (4) credits of mathematics including Algebra I, Geometry, and Algebra II (or equivalents) plus one additional mathematics course beyond Algebra II. All students must meet this requirement within 3 years of high school. Students with qualifying disabilities as documented in the Individual Education Program (IEP) may take Algebra IA, Algebra IB, Geometry A, and Geometry B for their math classes over four years.

<sup>2</sup> Students must complete Biology I and either Chemistry or Physics and a 3rd laboratory science. Students with qualifying disabilities as documented in the IEP shall be required to achieve at least Biology I and two other lab science credits or Biology IA and Biology IB along with one additional lab credit.

<sup>3</sup> Students must complete United States History & Geography, World History & Geography, Economics, US Government & Civics

<sup>4</sup> Students must complete two (2) credits of Foreign Language and one (1) credit of Fine Arts. In exceptional circumstances, to allow students to expand and enhance the elective focus, schools may waive the foreign language and/or fine art requirements for students who are not planning to attend a college or university.

<sup>5</sup> Students must complete three (3) credits in an elective focus. All students will pursue a focused program of study designed to prepare them for the workforce and postsecondary study. The intent of the elective focus is to provide students with an opportunity to explore a particular academic area in greater depth. The elective focus may be CTE, science and math, humanities, fine arts, AP/IB, or other areas approved by the local board of education. Students completing a CTE elective focus must complete three (3) credits in the same CTE career cluster or state-approved program of study. Schools should make every effort to ensure that all students complete a state or locally approved elective focus, however schools may waive the elective focus requirement for those students who transfer during the elective focus would prevent or delay graduation. Students who begin an elective focus in a TN high school and transfer during the junior or senior year to another TN high school may, with the permission of the Director of Schools, have the elective focus requirement waived if the receiving school does not offer the same elective focus area and is unable to offer related coursework to complete a state or locally approved focus area, or if the completion of the elective focus would prevent or delay graduation.

<sup>6</sup> Starting with the class of 28, all students must take computer science as one of these electives.

# Sumner County Early Graduate

Students may request in writing to graduate early by providing a parent and student signed letter to their counselor and principal. Schools will submit all approved Early Graduation Requests to the Instruction Department for Board approval.

The district will hold an optional mid-year graduation ceremony for students approved to graduate early. Early graduates who choose not to participate in the mid-year graduation ceremony may elect to participate in their school's spring graduation ceremony and corresponding Spring graduation activities. [See School Board Policy 4.606]

Participation in school sponsored activities, including but not limited to prom and other senior events, is at the discretion of the building administrator for all students who meet the requirements to graduate early.

Students who choose to participate in the mid-year ceremony will receive a diploma at that time. Students who participate in the spring ceremony will receive their diploma at that time. Students who choose not to participate in either ceremony will pick up their diplomas the next business day following the spring ceremony. The principal will upon request provide the student with a letter certifying completion of all requirements for graduation and that the diploma will be granted.

## Levels of Academic Recognition

	<b>Cumulative GPA</b>	<b>Honors/AP<sup>®</sup> Credits</b>
With <b>Highest</b> Recognition	3.90	≥18
With <b>High</b> Recognition	3.70	≥16
With <b>Notable</b> Recognition	3.50	≥14
With Recognition	3.50	<14

With the exception of transfer students (see item number 4 below), this academic recognition plan includes all credits attempted by students for all terms of their high school career. The GPA is based on a four-point scale with internal weighting only (three points on the final numerical grade for an honors course, five points on the final numerical grade for a dual enrollment course, and five points on the final numerical grade for an Advanced Placement course).

I. Rank by number will be assigned only to valedictorian and salutatorian. If there is a GPA tie, the valedictorian will be identified as the student having the highest GPA coupled with the largest number of credits at the honors, Dual Enrollment, and AP<sup>®</sup> levels. "For purposes of ranking valedictorian and salutatorian, up to nine (9) credits will be counted annually considering the number of honors, dual enrollment, and AP credits first.

II. If more than one student has earned the same GPA and has the same number of Honors/AP/DE credits, the individuals will share the designated rank. GPA and, in case of a tie, with the highest number of Honors and AP credits within that tier. Students other than valedictorian(s) and salutatorian(s) will be recognized only by the tier in which they fall not by a specific number.

III. Credits earned prior to entering the ninth grade will not be included in the computation of grade point average and academic recognition.

IV. No transfer course will be awarded honors or AP credit unless so designated on the transcript. Honors and Advanced Placement transfer credit will be accepted only from schools accredited by the Tennessee Department of Education or those accredited by agencies approved by the Tennessee Department of Education.

V. Sumner County Schools will honor the letter grades reflected on the transcript of the transferring student from the Tennessee Department of Education's list of approved schools at <http://tn.gov/education/topic/non-public-schools>.

VI. To be named valedictorian or salutatorian, a student must be enrolled in the high school the last five of the eight terms in school. It is possible, however, for a transfer student with fewer than the last five of the eight terms to share the position of valedictorian or salutatorian.

## Graduation Distinctions

### State Honors

Students who score at or above all the subject area readiness benchmarks on the ACT or equivalent score of the SAT will graduate with "State Honors."

### District Distinction

Students shall be recognized as graduating with district distinction if they have met the graduation requirements, have obtained an overall grade point average of at least a 3.0 or higher on a 4.0 scale, and have earned an industry certification in his or her career interest category or a regionally recognized industry certification.

### Tennessee Tri-Star Scholar

A student who earns a composite score of nineteen (19) or higher on the ACT, or an equivalent score on the SAT, and earns a capstone industry certification as promoted by [26] the Department of Education, shall be recognized as a Tennessee Tri-Star Scholar upon graduation from high school. The public high school shall recognize the student's achievement at the graduation ceremony by placing an appropriate designation on the student's diploma or other credential. The student shall be noted as a Tennessee Tri-Star Scholar in the school's graduation program.

### State Distinction

Students will be recognized as graduating with "state distinction" by attaining a "B" average and completing at least one of the following:

- I. Earn a nationally and/or state recognized industry certification.
- II. Participate in at least one of the Governor's Schools.
- III. Participate in one of the state's All State musical organizations.
- IV. Be selected as a National Merit Finalist or Semi-Finalist.
- V. Earn statewide recognition or award at a skill- or knowledge-based state tournament, convention, or competition hosted by a statewide student organization, and/or qualify for national recognition by a national student organization.
- VI. Attain a score of 31 or higher composite score on the ACT or SAT equivalent.

- VII. Attain a score of 3 or higher on at least two advanced placement exams.
- VIII. Successfully complete the International Baccalaureate Diploma Program.
- IX. Earn 12 or more semester hours of postsecondary credit.

### **Tennessee Seal of Biliteracy**

LEAs shall recognize students who have attained a high level of proficiency in speaking, reading, and writing in one (1) or more languages in addition to English with a Seal of Biliteracy. Students receiving this recognition will have to meet criteria that are designated in the Sumner County Schools curriculum guide.

### **Community Service**

A Student that voluntarily completes at least ten (10) hours of community service each semester they are in attendance at a public high school shall be recognized at their graduation ceremony. There will be a requisite form on file with the Guidance clerk for students to complete each semester. This form will need to be signed by the individual or entity where the community service occurred, the student completing the community service, and that student's counselor. Documentation will be kept in the student's cumulative folder in the guidance department.

### **Industry 4.0**

The Industry 4.0 Diploma Distinction was developed for high school students who are interested in pursuing a career in a high-need, high-skill industry after graduation. The student's school shall include on the student's transcript the Industry 4.0 diploma distinction if the student fulfills all Industry 4.0 distinction requirements upon graduation.

Students who earn the Industry 4.0 Diploma Distinction will be more prepared to seamlessly transition into the workforce.

#### **Student Requirements**

- Earn at least nine credits of dual enrollment and/or Work-Based Learning;
- Meet no less than once per month with a career coach during junior and senior years; AND
- Successfully complete all coursework required for graduation.

Each school is authorized under Sumner County Board of Education approval of this guide to prescribe a manner in which "state honors", "state distinction", and/or any of the above will be noted and recognized at graduation.

## NCAA Clearinghouse Certification

1. Graduate from high school: You should apply for NCAA National Clearinghouse certification before graduation. See your counselor for clearinghouse information.
2. Complete the core courses listed below (on a 4.00 scale) in a core curriculum successfully completed during grades 9 -12. Only courses that satisfy the NCAA definition of a core course are acceptable. The core courses must include at least:

	<b>Division I</b>	<b>Division II</b>
English Core	4 years	3 years
Math Core (Algebra I or higher)	3 years	2 years
Science Core (at least one lab course)	2 years	2 years
Social Science Core	2 years	2 years
From English, Math, or Science	1 year	3 years
Additional Core (English, Math, Science, Social Science, Foreign Language, Computer Science, Philosophy, Nondoctrinal Religion)		
<b>TOTAL CORE UNITS REQUIRED</b>	16	16

3. Earn a minimum required grade point average or better in your core courses; and
4. Meet ACT/SAT score requirements as outlined at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net) or [www.ncaa.org](http://www.ncaa.org).
5. Complete a NCAA Clearinghouse Student Release Form available at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net)

*Notice: Each school is authorized under Sumner County Board of Education approval to prescribe a manner in which “state honors,” “state distinction,” and/or any of the above will be noted and recognized at graduation.*

## Liberty Creek High School & Beyond Plan

Reviewed annually by Student & Advisor (initial below)

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Student Legal Name: \_\_\_\_\_ Class of \_\_\_\_\_ Student ID or BD \_\_\_\_\_

**\*\*This Plan is to provide an understanding of high school course work and how it relates to post high school planning. It is to be used as a guide.**

**Typical blueprint of required classes for a HS student:** \*Electives= General Electives/Focus Electives

9	10	11	12
English std hon	English std hon	English std hon AP DE Algebra	English std AP DE 4th Year Math
Algebra I std hon	Geometry std hon	II std hon Chemistry std hon	Economics (.5) & US Gov (.5) std hon
Science std hon	Biology std hon	US History std hon AP	Elective
World History std hon	Foreign Language I	Personal Finance (.5) & PE (.5)	Elective
Wellness	Foreign Language II	Elective	Elective
Fine Art	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective		

\*A fourth block sport could take up to one or two elective spaces depending on the sport.

Intended Elective Focus (by Grade 10 Registration): \_\_\_\_\_

(May be revised based on student's academic progress and changes in the student's interests and career goals.) \*The elective focus may be **CTE, Science & Math, Humanities, Fine Arts, AP, JROTC**, or other areas approved by the local board of education.

**Post High School Plans (by 11th grade)**

- |  |   |
|--|---|
| <input type="checkbox"/> Apprenticeship _____<br><input type="checkbox"/> Work _____<br><input type="checkbox"/> Community College _____ | <input type="checkbox"/> Technical School _____<br><input type="checkbox"/> Military _____<br><input type="checkbox"/> Four – Year College: _____<br><input type="checkbox"/> NCAA: _____ |
|--|---|

**College & Career Readiness Measure (meet at least 1 of the following:)**

- Score of 21 or higher on ACT (or 1060 or higher on the SAT); or
- Postsecondary credit earning score on AP, DE, DC; or
- Industry Credential (Tier II or III plus one other industry credential; or
- 31 or higher on ASVAB .

**Academic Recognition and Cumulative GPA**

4 Tiers of Recognition Min Honors/DE/AP	Cum. GPA	Credits
With Highest Recognition.	3.90	18
With High Recognition.	3.70	16
With Notable Recognition.	3.50	14
With Recognition	3.50	< 14
<b>HOPE Scholarship: 21 ACT OR 3.0 GPA</b>		

**A student must earn 6 credits to be classified as a Sophomore, 12 credits to be classified as a Junior and 18 credits to be classified as a Senior BEFORE the start of a school year.**

### SCS Graduation Requirements

<p><b>English Requirement (4)</b></p> <p><i>ENGLISH 9</i> _____</p> <p><i>ENGLISH 10</i> _____</p> <p><i>ENGLISH 11</i> _____</p> <p><i>ENGLISH 12</i> _____</p> <p><b>Math Requirement (4)</b></p> <p><i>ALGEBRA 1</i> _____</p> <p><i>GEOMETRY</i> _____</p> <p><i>ALGEBRA 2</i> _____</p> <p>_____</p> <p><b>Science Requirement (3)</b></p> <p>_____</p> <p><i>BIOLOGY</i> _____</p> <p><i>CHEMISTRY or PHYSICS</i> _____</p> <p><b>History Requirement (3)</b></p> <p><i>WORLD HISTORY</i> _____</p> <p><i>US HISTORY</i> _____</p> <p><i>ECONOMICS (.5)</i> _____</p> <p><i>GOVERNMENT (.5)</i> _____</p> <p><i>PERSONAL FINANCE (.5)</i> _____</p> <p><b>Physical Education (1.5)</b></p> <p><i>WELLNESS (1)</i> _____</p> <p><i>P.E./SPORT/BAND (.5)</i> _____</p> <p><b>REQUIRED EXAMS:</b></p> <p>ACT _____ Civics _____</p>	<p><b>Foreign Language Requirement (2)</b></p> <p>_____</p> <p>_____</p> <p><b>Fine Art (1)</b></p> <p>_____</p> <p><b>Elective Focus (3)</b></p> <p>_____</p> <p>_____</p> <p>_____</p> <p><b>Electives (4)</b></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><b>Computer Science Requirement Course (Beginning with 9th graders 24/25 SY):</b></p> <p><b>Notes:</b> _____</p>
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# **Courses 2025-2026**



**LIBERTY CREEK**  
**H I G H S C H O O L**

# English



Students must take one English class per year for a total of four credits. College bound students are strongly encouraged to take Honors, Dual Enrollment, and Advanced Placement courses to prepare.

*\* These are suggested pathways, but please talk with your counselor for more personalized guidance.*

Possible Path	9th	10th	11th	12th
Standard	English I	English II	English III	English IV
Honors	Honors English I	Honors English II	Honors English III	Honors English IV
Honors to Dual Enrollment	Honors English I	Honors English II	DE 1010/1020	DE English 2045
Honors to AP	Honors English I	Honors English II	AP Language & Composition	AP Literature
Honors with potential Capstone Diploma	Honors English I	Honors English II/AP Seminar	AP Research/Honors Speech & Communication AND/OR AP Language & Composition	AP Literature OR DE English 1010/1020/2045

## Possible Electives

Journalism

Genre Literature

Creative Writing

AP® Research (can count as elective or year 3 or 4 English)

AP® Seminar (can count as elective or year 3 or 4 English)

## **English I Standard**

*Eligible Grades: 9*

*Credits: 1*

*English I is the foundational class within the English department to set students up for future success. In this course, students will be reading classic pieces of literature combined with modern supplemental texts to gain a deeper understanding of the pieces and their influence on our world while refining their skills at thinking analytically. In addition, students will practice writing for a variety of purposes in order to expand their skills as a writer. By the end of this course, students should feel comfortable tackling all types of reading and writing as well as more confident using proper grammar and vocabulary. (English credit)*

## **English I Honors**

*Eligible Grades: 9*

*Credits: 1*

*English I is the foundational class within the English department to set students up for future success. In this course, students will be reading classic pieces of literature combined with modern supplemental texts to gain a deeper understanding of the pieces and their influence on our world while refining their skills at thinking analytically. In addition, students will practice writing for a variety of purposes in order to expand their skills as a writer. By the end of this course, students should feel comfortable tackling all types of reading and writing as well as more confident using proper grammar and vocabulary. As an honors course, students will follow along with the major units in the regular course, but students will dive deeper into analysis of what they read, write more complex essays, and complete additional reading and research projects to challenge students more. (English credit)*

*Prerequisites: Strong academic performance in previous English classes, test scores, and teacher recommendation.*

## **English II Standard**

*Eligible Grades: 10*

*Credits: 1*

*English II is designed to reinforce the basic skills of analysis of literature, composition, and use of proper English grammar and mechanics. Emphasis is given to writing formal essays, especially emphasizing citation of supporting information and use of textual evidence. Also included is a survey of the works of outstanding world writers and various genres of world literature. Vocabulary will also be studied throughout the semester. (English credit)*

*Prerequisites: Completion of English I*

## **English II Honors**

*Eligible Grades: 10*

*Credits: 1*

*Honors English II consists of a review of the fundamentals of grammar and an emphasis on usage and mechanics. Vocabulary will also be studied. Students will learn and compose various writing structures, particularly the persuasive essay and literary analysis. Reading will include short stories, drama, and novels. The students will participate in class discussion, individual and group presentations, socratic seminars, and debate. (English credit)*

*Prerequisites: Strong academic performance in previous English classes, or teacher recommendation.*

## **English III Standard**

*Eligible Grades: 11*

*Credits: 1*

*English III is a study of American literature and essays dealing with critical analysis of the literature from its origination to the modern day. Continued development of writing is a focus and completion of an MLA style research paper is a requirement. (English credit)*

*Prerequisites: Completion of English I and English II*

## **English III Honors**

*Eligible Grades: 11*

*Credits: 1*

*English III Honors emphasizes the rigorous study and analysis of American literature. During the semester, students will read a variety of novels, stories, and articles relevant to the course of study. The course will also include the study of fundamental and advanced English mechanics. Students are required to complete a research paper in MLA style at the end of the semester. This course is recommended for highly motivated students. (English credit)*

*Prerequisites: Strong academic performance in English II or teacher recommendation.*

## **English IV Standard**

*Eligible Grades: 12*

*Credits: 1*

*English IV emphasizes a survey of British literature and an overview of the history and themes of the English language. The course will also cover upper-level vocabulary, grammar, and composition skills in the areas of research techniques, expository writing, and literary analysis. (English credit)*

*Prerequisites: Completion of English I, II, and III*

## **English IV Honors**

*Eligible Grades: 12*

*Credits: 1*

*English IV emphasizes a survey of British literature and an overview of the history and themes of the English language. The course will also cover upper-level vocabulary, grammar, and composition skills in the areas of research techniques, expository writing, and literary analysis. Since it an honors course, this class will move at a faster pace and require more outside reading and analysis along with higher expectations than the standard level. (English credit)*

*Prerequisites: Completion of English I, II, and III*

## **AP® Language & Composition**

Eligible Grades: 11, 12

Credits: 1

*This program of study is an investigation of language, rhetoric, and composition through literature and aligns to an introductory college-level curriculum, which requires students to develop evidence-based analytic and argumentative essays. Students will be expected to evaluate, synthesize, and cite research to support their arguments. Students will also be studying the various periods of American literature through a variety of primary and secondary sources. Students will be required to complete a preliminary reading list before the beginning of the course. (English credit)*

*Prerequisites: Strong academic performance in an Honors English class or teacher recommendation. [OBJ]*

## **AP® Literature & Composition**

Eligible Grades: 11, 12

Credits: 1

*Students will analyze, evaluate, and interpret a variety of famous works of literature. These include but are not necessarily limited to poems, short stories, and novels. Students will analyze character, plot & structure, comparison, diction & syntax, and other literary elements and how those elements affect the overall meaning of the work in question. Students will be required to complete a preliminary reading list before the beginning of the course. (English credit)*

*Prerequisites: Strong academic performance in previous Honors English classes or teacher recommendation.*

## **AP® Seminar (Full Year - Paired with Honors English II)**

Eligible Grades: 10

Credits: 1

*AP Seminar (the first of two classes for AP Capstone) is a course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students practice reading and analyzing texts that cover various subjects, perspectives, complexity, and medium. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. \* This is the first of two year-long, consecutive courses that are a part of the AP Capstone diploma program.*

*Prerequisites: Strong academic performance in previous Honors English classes or teacher recommendation.*

## **AP® Research (Full Year - Paired with Honors Speech and Communications)**

Eligible Grades: 11,12

Credits: 1

*Designed by the College Board to parallel college-level courses in independent research, AP Research courses provide students with the opportunity to conduct an in-depth, mentored research project. Course topics include research methods, ethical research practices, and accessing, analyzing, and synthesizing information to address a research question. Courses culminate with an academic thesis paper and an oral defense of the research design, approach, and findings. \* This is the second course that is a part of the AP Capstone diploma program.*

*Prerequisite: AP Seminar*

## **Honors Speech and Communications**

Eligible Grades: 11, 12

Credits: 1

*This course is designed to empower high school students with the art and science of effective discourse. Students will focus on advanced skills in the major areas of human communication, emphasizing public speaking, interpersonal, and small group skills. Topics will include communication strategies, nonverbal communication, media literacy, ethical communication, and rhetorical analysis. The course's principal goal is to strengthen students' capacity to achieve desired results and influence others, by communicating more effectively and authentically.*

*\*\*\*Students must be enrolled in AP Research to take this paired course.*

## **Dual Enrollment ENG 1010/1020 English Composition I and II**

Eligible Grades: 11, 12

Credits: 1

*Dual Enrollment courses are designed for students entering college upon graduation. 1010 - This course includes writing expository compositions based primarily on analysis of essays and literary works, with an emphasis on rhetorical modes, documentation skills, and revision. 1020 - This course includes writing argumentative compositions based on issues raised in essays and literary work with emphasis on research skills, support, and revision. (English credit)*

*Prerequisites: Strong academic performance in English II, teacher recommendation, and a 3.6 GPT or ACT subscore of 18 in English/19 in Reading*

## **Dual Enrollment ENG 2045 Introduction to Literature**

*Eligible Grades: 12*

*Credits: 1*

*Dual Enrollment is a course designed for students entering college upon graduation. This course includes reading and analysis of a variety of literary types as forms of cultural and creative expression; it emphasizes themes and experiences common to human existence. Specific topics are determined by the instructor, but the focus is on literary texts that reflect different historical and cultural contexts. (English credit)*

*Prerequisites: DE English 1010/1020 or ACT subtest score 31 or higher, or an AP English Language test score of 4 or higher.*

## **Creative Writing**

*Eligible Grades: 9,10, 11, 12*

*Credits: .5*

*This elective course will focus on expanding students skills at writing beyond the academic essays. Students will create imaginative writing that allows them to promote self-expression while practicing techniques to build their skills as a writer. Study will include short stories, poetry, and more. Course is best suited for students who have a desire to practice new writing styles.*

## **Genre Literature**

*Eligible Grades: 9,10,11,12*

*Credits: .5*

*This is a course for anyone who loves reading different types of literature. Students will explore multiple genres of literature. Some novel choices will be chosen by students and the other novel choices will be chosen by the teacher. Students will examine the structures of the different genres through writing, discussion, and project based learning.*

## **Journalism I**

*Eligible Grades: 9,10,11,12*

*Credits: 1-2*

*This course will focus on the fundamentals of journalism, including how to select and write feature stories, design layout of pages, and create high-interest content that is appealing to audiences. As a part of this course, students will learn to take pictures to go along with content. Students in this course will complete the yearbook. This class should be taken as a year-long course unless granted teacher permission.*

*Prerequisites: Application, Teacher Interview and Recommendation*

## **Journalism II**

*Eligible Grades: 9, 10,11,12*

*Credits: 1-2*

*This course will build on the fundamentals of Journalism I, increasing complexity of skills in writing and designing high-interest content that is appealing to audiences. Students will build leadership roles in completion of the yearbook as well as expand their skills to other content creating endeavors. This class should be taken as a year-long course unless granted teacher permission.*

*Prerequisites: Journalism I, Application, Teacher Interview and Recommendation*

## **Journalism III**

*Eligible Grades:11, 12*

*Credit: 1-2*

*This course will focus on advanced journalism skills, building on the previous journalism courses. Students will sharpen their skills in producing high-quality journalistic content while gaining hands-on experience in the editing process. From generating story ideas to final publication, students will learn how to effectively manage all stages of the production cycle.*

*Prerequisites: Journalism II, Application, and Journalism Teacher Recommendation*

## **Journalism IV**

*Eligible Grades:12*

*Credit: 1-2*

*This course is the capstone of the journalism courses. In this course, students will create ideas for content and mediums and then manage a staff of students in the creation of journalism products. By the end of the course, students will have produced a portfolio of multimedia journalism projects, demonstrating their proficiency in both production and editing roles.*

*Prerequisites: Journalism III, Application, and Journalism Teacher Recommendation*

# Mathematics



Students must take one math class per year for a total of four credits. College bound students are strongly encouraged to take Honors, Dual Enrollment, and Advanced Placement courses to prepare.

*\* These are suggested pathways, but please talk with your counselor for more personalized guidance.*

Possible Path	9th	10th	11th	12th
Standard	Algebra I	Geometry	Algebra II	Mathematical Reasoning
Honors	Algebra I Honors	Geometry Honors	Algebra II Honors	Precalculus Honors OR Statistics Honors
Honors to Dual Enrollment	Algebra I Honors (fall) /Geometry I Honors (spring) <i>(can also choose to double up 10th grade year instead)</i>	Algebra II Honors	Precalculus Honors OR DE Statistics OR DE College Algebra	DE Statistics OR DE College Algebra OR other DE math
Honors to AP	Algebra I Honors (fall) /Geometry I Honors (spring) <i>(can also choose to double up 10th grade year instead)</i>	Algebra II Honors	Precalculus Honors OR AP Statistics	AP Calculus A B

## **Algebra I**

*Eligible Grades: 9*

*Credits: 1*

*This course will emphasize theory and application of linear and quadratic functions, basic statistics, exponential equations, and graphing calculator skills. A TI-84 Plus graphing calculator or higher is strongly recommended.*

## **Algebra I Honors**

*Eligible Grades: 9*

*Credits: 1*

*This course will emphasize theory and application of linear and quadratic functions, basic statistics, exponential equations, and graphing calculator skills. This course is an in-depth study of Algebra I at an accelerated pace. Depth of knowledge will be deeper at this level. It is intended for students whose goal is Pre-Calculus Honors, Statistics Honors, or AP® Calculus. A TI-84 Plus graphing calculator or higher is strongly recommended.*

*Prerequisites: Strong academic performance in previous Math class, and teacher recommendation*

## **Algebra I: Part I and II (Full Year - Extended Scheduling)**

*Eligible Grades: 9*

*Credits: 1 elective, 1 math*

*This course will cover the same concepts as Algebra I, but it will take place during the entire school year with the first semester receiving elective credit and the second semester receiving math credit. This course is recommended for those students who have struggled with math in the past and would benefit from a slower pace to gain the foundational algebra skills. (Seats are limited and will be prioritized for students already receiving math support in 8th grade.)*

*Prerequisites: C or below in 8th grade math, approaching or below TCAP scores in math, and teacher recommendation.*

## **Geometry**

*Eligible Grades: 10*

*Credits: 1*

*This course is an in-depth study of Euclidean geometry topics including geometric patterns, congruency, similarity, geometric solids, constructions, proofs, as well as topics in coordinate and transformational geometry, and trigonometry. A TI-84 Plus graphing calculator or higher is strongly recommended.*

*Prerequisites: Algebra I*

## **Geometry Honors**

*Eligible Grades: 9, 10*

*Credits: 1*

*This course is an in-depth study of Euclidean geometry topics including geometric patterns, congruency, similarity, geometric solids, constructions, proofs, as well as topics in coordinate and transformational geometry, and trigonometry. This course is an in-depth study of Geometry at an accelerated pace. Depth of knowledge will be deeper at this level. It is intended for students whose goal is Pre-Calculus Honors, Statistics Honors, or AP® Calculus. A TI-84 Plus graphing calculator or higher is strongly recommended.*

*Prerequisites: Strong academic performance in Algebra I Honors or Algebra I and teacher recommendation*

## **Algebra II**

*Eligible Grades: 11,12*

*Credits: 1*

*This course is the study of analyzing polynomial functions, exponential and logarithmic functions, systems of linear equations and inequalities, regression analysis and probability and statistics. A TI-84 Plus graphing calculator or higher is strongly recommended.*

*Prerequisites: Geometry*

## **Algebra II Honors**

*Eligible Grades: 10,11*

*Credits: 1*

*This is a college-preparatory course with emphasis placed on graphing and analyzing polynomial functions, exponential and logarithmic functions, systems of linear equations and inequalities, regression analysis and probability and statistics. This course is an in-depth study of Algebra II at an accelerated pace. Depth of knowledge will be deeper at this level. A TI-84 Plus graphing calculator or higher is strongly recommended. Technology will be used to solve problems, explore patterns and interpret and verify conclusions.*

*Prerequisites: Strong academic performance in Geometry Honors or Geometry and teacher recommendation*

## **Mathematical Reasoning**

*Eligible Grades: 12*

*Credits: 1*

*Applications and modeling using mathematics are the primary focus areas of this course. Throughout the course, students explore mathematical content in the context of applications to the real-world. Topics will build upon previous knowledge requiring students to reason, solve, and represent mathematical concepts in multiple ways to encourage the use of math to answer problems students will encounter in life. This course is best intended for students who are planning to attend a College of Applied Technology, military service, or enter the workforce immediately following graduation.*

*Prerequisites: Algebra I, Geometry, and Algebra II; recommended ACT math subscore less than 20*

## **Pre-Calculus Honors**

*Eligible Grades: 10,11,12*

*Credits: 1*

*This course is designed to prepare students for Calculus courses. Topics covered included Trig functions, analytic trigonometry, applications of trigonometry, analytic geometry, exponential and logarithmic functions, sequences and series, and other basic functions. A TI-84 Plus graphing calculator or higher is strongly recommended.*

*Prerequisites: Strong academic performance in Algebra II [Adv] Honors and Geometry [Adv] Honors, and teacher recommendation*

## **AP® Calculus (AB)**

*Eligible Grades: 11,12*

*Credits: 1*

*AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.*

*Prerequisites: Pre-Calculus Honors*

## **Statistics Honors**

*Eligible Grades: 11, 12*

*Credits: 1*

*This course is a capstone course designed for students with ACT greater than 19. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. There will be an emphasis on pre-reading in this class.*

*Prerequisites: ACT math >21 or higher and Honors Algebra II*

## **AP® Statistics**

*Eligible Grades: 10, 11,12*

*Credits: 1*

*The AP® Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.*

*Prerequisites: Strong academic performance in Honors Algebra II and teacher recommendation*

## **Dual Enrollment MATH 1530 Statistics**

*Eligible Grades: 11,12*

*Credits: 1*

*This course is a traditional statistics course. Emphasis will be placed on the practical applications of the analysis of data and the probability that certain assumptions may be true or even occur. The dual enrollment program allows students to earn both high school and college credit at the same time, by taking a college course during the regular school day on campus. Students must complete the Vol State application for admission and the dual enrollment grant application. Students are responsible for purchasing the required texts and any remaining tuition. Worth 3 college credit hours.*

*Prerequisites: Algebra II and GPA of 3.6 or ACT subscore of >19 in Math*

## **Dual Enrollment MATH 1130 College Algebra**

*Eligible Grades: 12*

*Credits: 1*

*This course is a traditional College Algebra course. Topics include rational and exponential expressions, the concept of functions: involving linear, quadratic, logarithmic and inverse functions. The dual enrollment program allows students to earn both high school and college credit at the same time, by taking a college course during the regular school day on campus. Students must complete the Vol State application for admission and the dual enrollment grant application. Students are responsible for purchasing the required texts and any remaining tuition. Worth 3 college credit hours.*

*Prerequisite: Algebra II and 3.6 GPA or ACT subscore of >19 in Math*

## **Computer Science Foundation**

*Eligible Grades: 9-12*

*Credits: 1*

*Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Coding, Web Design, and Cybersecurity. As a result, students will complete all core standards, as well as standards in two of four focus areas. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Depending on the focus area, proficient students will also demonstrate an understanding of electronics and basic digital theory; project management and teamwork; client relations; causes and prevention of Internet security breaches; and writing styles appropriate for web publication. Upon completion of the CSF course, students will be prepared to make an informed decision about which Information Technology program of study to pursue. (Meets the computer science class requirement for students in the class of 2028 and 2029.)*

*\*\* Students who struggle with math may wish to delay taking this course until after successfully completing Algebra I.*

## **Computer Science Foundation Honors**

*Eligible Grades: 9-12*

*Credits: 1*

*Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Coding, Web Design, and Cybersecurity. As a result, students will complete all core standards, as well as standards in two of four focus areas. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Depending on the focus area, proficient students will also demonstrate an understanding of electronics and basic digital theory; project management and teamwork; client relations; causes and prevention of Internet security breaches; and writing styles appropriate for web publication. (Meets the computer science class requirement for students in the class of 2028 and 2029.)*

*Prerequisite: Strong academic performance in science and math courses.*

## **AP® Computer Science Principles**

*Eligible Grades: 9-12*

*Credits: 1*

*Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. (Meets the computer science class requirement for students in the class of 2028 and 2029.)*

*Prerequisite: Strong academic performance in science and math courses.*

# Science



Students are required to complete three credits of science. College bound students who plan to work in Engineering, Technology, Architecture, and related fields are strongly encouraged to take Physics.

*\* These are suggested pathways, but please talk with your counselor for more personalized guidance.*

Possible Path	9th	10th	11th	12th
Standard	Environmental Science OR Agriscience	Biology	Chemistry	Elective Science
Honors	Environmental Science Honors OR Agriscience Honors	Honors Biology	Honors Chemistry OR Honor Physics	Elective Science Optional
Honors to AP	Honors Biology	Honors Chemistry or Honors Physics	Honors Biology II/AP Biology OR Honors Chemistry II/AP Chemistry	AP Environmental Science OR AP Biology OR Honors Chemistry II/AP Chemistry
Honors to AP	Honors Biology	Honors Biology II/AP Biology	Honors Chemistry or Honors Physics	Honors Chemistry II/AP Chemistry OR AP Environmental Science
AP	AP Environmental	Honors Biology and Honors Chemistry	Honors Biology II/AP Biology	Honors Chemistry II/AP Chemistry

## Possible Electives

Human Anatomy and Physiology Honors

## **Agriscience**

Eligible Grades: 9,10,11,12

Credits: 1

*Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology plays in the twenty-first century. In addition, it serves as the first course for all programs of study in the Agriculture, Food, & Natural Resources cluster. Upon completion of this course, proficient students will be prepared for success in more advanced agriculture and science coursework. This class will satisfy the requirements for one of the 3 lab science credits necessary for graduation and college entrance requirements.*

## **Agriscience Honors**

Eligible Grades: 9,10

Credits: 1

Honors Agriscience is an accelerated introductory laboratory science course that prepares students for biology, subsequent science courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. In addition, it is a prerequisite course and serves as the first course for all programs of study in the Agricultural Science pathways. Upon completion of this course, proficient students will be prepared for success in more advanced agricultural and science coursework. This class will satisfy the requirements for one of the 3 lab science credits necessary for graduation and college entrance requirements.

Prerequisites: a B or higher in previous science and English courses.

## **Environmental Science**

Eligible Grades: 9

Credits: 1

*This course is designed to introduce students to the fundamental principles of environmental science and foster an understanding of the intricate relationships between living organisms and their surroundings. Students in Environmental Science focus upon the following academic standards: interactions, energy, and dynamics within ecosystems; biological change – unity and diversity; Earth’s systems; Earth and human activity; links among engineering, technology, science, and society; and science applications.*

## **Environmental Science Honors**

Eligible Grades: 9

Credits: 1

*This honors-level course is designed to provide a deeper understanding of the intricate relationships between living organisms and their surroundings, while also emphasizing critical thinking, research skills, and a more comprehensive exploration of academic standards. This course will focus upon the following academic standards: interactions, energy, and dynamics within ecosystems; biological change – unity and diversity; Earth’s systems; Earth and human activity; links among engineering, technology, science, and society; and science applications.*

Prerequisites: Strong academic performance in previous science courses or teacher recommendation

## **Biology**

*Eligible Grades: 10, 11, 12*

*Credits: 1*

*This course emphasizes the following six standards covered on the state mandated end-of-course exam: cells, interactions, photosynthesis and respiration, genetics and biotechnology, diversity, and biological evolution. Laboratories will be included.*

## **Biology Honors**

*Eligible Grades: 10 (9 with special permission)*

*Credits: 1*

*This course's intent is to establish core ideas and practices of science and engineering that will prepare students to use scientific thinking to examine and evaluate knowledge encountered throughout their lives. Primary core ideas for Biology include from molecules to organisms (structures and processes in cells & organisms); interactions, energy, & dynamics in ecosystems; heredity; biological change; and links between engineering, technology, science, & society. Students in Honors level Biology must expect a greater emphasis on analytical thinking skills and more independent work.*

*Prerequisites: Strong academic performance in previous science courses, or teacher recommendation*

## **Biology II Honors**

*Eligible Grades: 11, 12*

*Credits: 1*

*Biology II Honors is an intellectually stimulating and academically rigorous high school course designed to provide an in-depth exploration of advanced biological concepts and phenomena. Building upon the foundation laid in Biology I, this course offers a comprehensive journey into the intricate world of life sciences. It is specifically designed for motivated and dedicated students who possess a strong interest in biology and a desire to delve deeper into its complexities. Topics of focus will include the study of evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.*

*Prerequisites: Strong academic performance in Biology Honors and teacher recommendation*

## **Biology II Honors /AP® Biology (Full Year)**

*Eligible Grades: 10, 11, 12*

*Credits: 2 (YL)*

*This course builds upon the skills learned in Biology I with increased rigor as it combines Biology II and AP Biology coursework. AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.*

*Prerequisites: Strong academic performance in Biology Honors and teacher recommendation*

## **Chemistry I**

*Eligible Grades: 10, 11, 12*

*Credits: 1*

*This course explores the properties of matter and changes that matter undergoes. Topics include atomic structure, chemical reactions, stoichiometry, gas laws, solutions, and nuclear chemistry. This course will be taught with an emphasis on hands-on laboratory investigations and problem solving using algebraic math skills.*

*Prerequisites: Algebra II*

## **Chemistry I Honors**

*Eligible Grades: 10, 11*

*Credits: 1*

*This in-depth course explores the properties of matter and the changes that matter undergoes. Additional rigor and depth of investigation of atomic structure, chemical reactions, stoichiometry, gas laws, solutions, and nuclear chemistry. This course focuses on hands-on laboratory investigations and research as well as problem solving skills using algebraic math skills.*

*Prerequisites: Strong academic performance in Algebra II Honors, or teacher recommendation*

## **Chemistry II Honors**

*Eligible Grades: 11,12*

*Credits: 1*

*This course builds upon the skills learned in Chemistry I with increased rigor as it combines Chemistry II and AP Chemistry coursework. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. This course is suitable for students who have an interest in the medical field, engineering, or another STEM related field.*

*Prerequisites: Strong academic performance in Algebra II Honors & Chemistry I Honors, and teacher recommendation*

## **Chemistry II Honors/AP® Chemistry (Full Year)**

*Eligible Grades: 11,12*

*Credits: 2 (YL)*

*This course builds upon the skills learned in Chemistry I with increased rigor as it combines Chemistry II and AP Chemistry coursework. AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. This course is suitable for students who have an interest in the medical field, engineering, or another STEM related field. Students will be expected to take the Advanced Placement examination upon completion.*

*Prerequisites: Strong academic performance in Algebra II Honors & Chemistry I Honors, and teacher recommendation*

## **Dual Enrollment General Chemistry I & Lab (CH 1008)**

*Eligible Grades: 11,12*

*Credits: 1*

*An introduction to chemistry principles that include atomic theory, molecular theory, stoichiometry, acids and bases, organic chemistry, and gases. Labs will contain several experiments that demonstrate principles learned in class.*

*Prerequisites: Strong academic performance in Algebra II Honors & Chemistry I Honors, and teacher recommendation*

## **AP® Environmental Science**

*Eligible Grades: 11,12*

*Credits: 1*

*The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science.*

*Prerequisite: Strong academic success in previous science and math courses*

## **Physics Honors**

*Eligible Grades: 11,12*

*Credits: 1*

*This course is intended to provide a broad introduction to Physics for students interested in preparing for higher education especially in the fields of engineering, architecture, or pre-med. Honors Physics involves much theory and logical derivations of various equations. Topics to be covered include classical mechanics, thermodynamics, wave motion, electricity and magnetism, and nuclear physics. Mathematical requirements are emphasized.*

*Prerequisites: Previous success in Honors-level science and Hon Algebra II*

## **Dual Enrollment General Physics I & Lab (PH 200)**

*Eligible Grades: 11,12*

*Credits: 1*

*An introduction to studies in physics with an introduction to mechanics and thermal physics. Concepts are applied using calculus.*

*Prerequisite: Successful completion of Honors Biology I and teacher recommendation*

## **Human Anatomy and Physiology Honors**

*Eligible Grades: 11,12*

*Credits: 1*

*This is an advanced study of human anatomy and physiology including numerous lab dissections, microscopic techniques and exercises using various types of lab equipment. Students will investigate anatomical orientation, and systems related to the following themes: protection, support and movement, integration and regulation, transportation, absorption and excretion, and reproduction, growth and development and biomedical technology. This course is a college prep course. Dissection is required. As an honor's course, additional rigor will be related to the course content or by deeper investigation through research, lab investigations and engineering design. This course may be taken as a part of the Health Science pathway.*

*Prerequisite: Successful completion of Honors Biology I and teacher recommendation*

## **Computer Science Foundation**

*Eligible Grades: 9-12*

*Credits: 1*

*Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Coding, Web Design, and Cybersecurity. As a result, students will complete all core standards, as well as standards in two of four focus areas. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Depending on the focus area, proficient students will also demonstrate an understanding of electronics and basic digital theory; project management and teamwork; client relations; causes and prevention of Internet security breaches; and writing styles appropriate for web publication. Upon completion of the CSF course, students will be prepared to make an informed decision about which Information Technology program of study to pursue. (Meets the computer science class requirement for students in the class of 2028 and 2029.)*

*\*\* Students who struggle with math may wish to delay taking this course until after successfully completing Algebra I.*

## **Computer Science Foundation Honors**

*Eligible Grades: 9-12*

*Credits: 1*

*Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Coding, Web Design, and Cybersecurity. As a result, students will complete all core standards, as well as standards in two of four focus areas. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Depending on the focus area, proficient students will also demonstrate an understanding of electronics and basic digital theory; project management and teamwork; client relations; causes and prevention of Internet security breaches; and writing styles appropriate for web publication. (Meets the computer science class requirement for students in the class of 2028 and 2029.)*

*Prerequisite: Strong academic performance in science and math courses.*

## **AP® Computer Science Principles**

*Eligible Grades: 9-12*

*Credits: 1*

*Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. (Meets the computer science class requirement for students in the class of 2028 and 2029.)*

*Prerequisite: Strong academic performance in science and math courses.*

# Social Studies



Students are required to complete three credits of Social Studies. The courses offered will encourage the student to be a responsible, contributing, informed member of our community and nation.

*\* These are suggested pathways, but please talk with your counselor for more personalized guidance.*

Possible Path	9th	10th	11th	12th
Standard	World History	Elective History Optional	US History	Government and Economics
Honors	Honors World History	Elective History Optional	Honors US History	Honors Government and Honors Economics
AP	AP World	AP Human Geography Online OR other online AP offering OR AP Government	AP US History	AP Government (if not taken earlier) or either AP Micro or Macro Online

## Possible Electives

Tennessee History

DE Psychology

Bible History

Psychology (.5)

Sociology (.5)

## **World History and Geography**

*Eligible Grades: 9,10*

*Credits: 1*

*Students will study the shaping of Europe including the Enlightenment, French Revolution, and Industrial Revolution. Students will explain the causes and consequences of the great military and economic events of the past century, including the World Wars, Great Depression, and the Cold War. Students will study the continuing persistence of political, ethnic, and religious conflict in many parts of the world. Students will explore geographic influences on history, with attention to political boundaries.*

## **World History and Geography Honors**

*Eligible Grades: 9*

*Credits: 1*

*Students will study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. They will examine the origins and consequences of the Industrial Revolution, 19th century political reform in Western Europe, and imperialism. Students will discuss the events of the past century, including the World Wars, the Great Depression, the Cold War, and the Russian and Chinese Revolutions. Finally, students will study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflict in many parts of the world.*

*Prerequisites: Strong performance in previous Social Studies course, or teacher recommendation*

## **AP<sup>®</sup> World History: Modern**

*Eligible Grades: 9,10*

*Credits: 1*

*AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.*

*Prerequisites: Strong academic success in previous English and social studies classes.*

## **U.S. History**

*Eligible Grades: 11,12*

*Credits: 1*

*This course will survey major political, social, and economic events in U.S. History from Reconstruction to present. Students will study noted personalities and events of our nation's history. The state required end-of-course test will be administered upon completion of this course.*

## **U.S. History Honors**

*Eligible Grades: 11,12*

*Credits: 1*

*Students will survey major political, social, and economic events in U.S. History from Reconstruction to current events with extended reading and research assignments. Students will explore cultural values and participate in curriculum-based research projects and essays. The state required end-of-course test will be administered upon completion of this course.*

*Prerequisites: Strong academic success in previous English and social studies classes.*

## **AP® U.S. History**

*Eligible Grades: 11,12*

*Credits: 1*

*AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. Students will analyze, evaluate, and interpret various developments throughout American history beginning in the early 15th century. Students will develop critical and historical writing skills through the development of analytical essays. The course is designed to challenge each student academically through various modes of learning including lecture, discussions, Socratic seminars, and group projects.*

*Prerequisites: Strong academic performance in previous English and social studies classes.*

## **Economics**

*Eligible Grades: 12*

*Credits: .5*

*Economics will explore the relationship of resources, decision-making, competition, market incentives, prices, investments, taxes, market failures, market structures, externalities, supply and demand to the roles of business, government and individuals in the American Free Enterprise System. Students will also become aware of the concept of economic interdependence as it exists between domestic enterprises and its impact on globalization.*

## **Economics Honors**

*Eligible Grades: 12*

*Credits: .5*

*Economics will explore the relationship of resources, decision-making, competition, market incentives, prices, investments, taxes, market failures, market structures, externalities, supply and demand to the roles of business, government and individuals in the American Free Enterprise System. Students will also become aware of the concept of economic interdependence as it exists between domestic enterprises and its impact on globalization.*

*Prerequisites: Strong academic performance in US History Honors, or teacher recommendation*

## **Government**

*Eligible Grades: 12*

*Credits: .5*

*The government segment of this course is a study into the foundations of government, citizenship and American political traditions on the federal, state, and local levels. Included will be an examination of the different political systems and an in-depth study of the U.S. Constitution and its present-day role in the continuing formulation of American politics.*

## **Government Honors**

*Eligible Grades: 12*

*Credits: .5*

*The government segment of this course is a study into the foundations of government, citizenship and American political traditions on the federal, state, and local levels. Included will be an examination of the different political systems and an in-depth study of the U.S. Constitution and its present-day role in the continuing formulation of American politics.*

*Prerequisites: Strong academic performance in US History Honors or AP®, or teacher recommendation*

## **AP® Government & Politics**

*Eligible Grades: 10-12*

*Credits: 1*

*AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis. This is a rigorous and comprehensive program designed to prepare students for the AP Government and Politics exam while fostering a deep understanding of American democracy.*

*Prerequisites: Previous success in history courses.*

## **Tennessee History**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Students will examine the history of Tennessee, including the cultural, geographic, economic, and political influences upon that history. Students will discuss Tennessee's indigenous peoples as well as the arrival of EuroAmerican settlers. Students will analyze and describe the foundation of the state of Tennessee. Students will identify and explain the origins, impact, and aftermath of the Civil War. Students will discuss the rise of a manufacturing economy. Finally, students will examine and discuss the Civil Rights Movement and Tennessee's modern economy and society.*

## **Bible History**

*Eligible Grades: 9,10,11,12*

*Credits:1*

*The purpose of this course is to enable students to acquire an understanding and appreciation of the Bible's major ideas, historical/geographical contexts, and literary forms. The course will include the study of the Bible in its historical, sociological, and cultural contexts, and its impact on later cultures, societies, and religions. This class is NOT devotional in nature.*

## **Psychology**

*Eligible Grades: 10, 11,12*

*Credits: .5*

*This course is designed to introduce students to the basic principles of psychology in preparation for college psychology as well as for life in an increasingly complex society. Emphasis will be on individual differences, personal adjustment, coping skills, and relationships as well as learning, memory, perception, consciousness, and abnormal psychology.*

## **Dual Enrollment PSYC 1030 Introduction to Psychology**

*Eligible Grades: 11,12*

*Credits: 1*

*General psychology is a one semester course designed to provide an overview of the field of psychology and human behavior. The topics of philosophy, history, biology, learning, personality, abnormal treatment, applied psychology are included.*

*Prerequisites: 3.6 GPT or ACT English score of 18 and Reading score of 19*

## **Sociology**

*Eligible Grades: 10, 11,12*

*Credits: .5*

*The study of sociology will provide students the opportunity to explore human social behavior. Students will utilize skills of communication, identification, description, application, analysis, comparison and contrast, and evaluation. Research will be required. This course will focus mainly on how people and society interact in groups.*

## **Personal Finance**

*Eligible Grades: 10, 11,12*

*Credits: .5*

*Personal Finance is a course designed to inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. The standards in this course cover decision-making skills related to goal setting, producing income, budgeting, saving, borrowing, managing risk, and investing. The course helps students meet the growing complexities of personal financial management and consumer decision making. Upon completion of this course, proficient students will understand how their decisions will impact their future financial well-being. This class is required for graduation.*

# Fine Arts

The Fine Arts Department encompasses Instrumental Music, Vocal Music, Theatre Arts, and Visual Arts. Strong emphasis is placed on the performance process through which the student can acquire skills to yield a polished public presentation of their work. The productions, musical concerts, art exhibits, and theatrical performances are a part of the curriculum.



*\* These are suggested pathways, but please talk with your counselor for more personalized guidance.*

Possible Path	9th	10th	11th	12th
Visual Art	Visual Art I	Visual Art II	Visual Art III	Visual Art IV
Vocal Music	General Chorus OR Concert Choir I	Concert Choir II	Concert Choir III	Concert Choir IV
Band	Concert Band I	Concert Band II	Concert Band III	Concert Band IV
Theater	Intro to Theater OR Musical Theater I	Musical Theater II	Musical Theater III	Musical Theater IV

## Possible Electives

Class Piano (Standard and Dual Enrollment)

Class Guitar (Standard and Dual Enrollment)

## **Visual Art I**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*Students will be given an introduction to the visual arts through the study of the design elements and a comparison of art history and cultural styles. Hands-on experiences with various art media and techniques will be done. \*This course has a fine arts fee of \$20.*

*Prerequisites: None*

## **Visual Art II**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Students will use the elements and principles of design to develop artworks from various media and artistic techniques. The knowledge of art history and cultural styles will be used to develop creative student artwork of a more personal nature. The basic skills in Art I will be applied with the fundamental elements and principles to more advanced problems in two dimensional and three-dimensional designs. The student begins to develop a portfolio. \*This course has a fine arts fee of \$20.*

*Prerequisites: Strong academic performance in Visual Art I and teacher recommendation*

## **Visual Art III**

*Eligible Grades: 10,11,12*

*Credits: 1*

*This class provides in-depth instruction in the following areas: drawing, painting, ceramics, sculpture, textiles and printmaking. The student will develop a balanced portfolio for possible post-secondary school acceptance or scholarship consideration. \*This course has a fine arts fee of \$20.*

*Prerequisites: Visual Art II and teacher recommendation*

## **Visual Art IV**

*Eligible Grades: 10,11,12*

*Credits: 1*

*The skills from Art III will apply toward contrasting and comparing physical properties of art as well as acknowledging symbolic associations. A balanced portfolio for exhibition, presentation and possible scholarship consideration continues. \*This course has a fine arts fee of \$20.*

*Prerequisites: Visual Art III and teacher recommendation*

## **General Chorus**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*General Chorus is a beginning vocal ensemble. This course is a great place to start singing if you want to try it but not audition. Performances and rehearsals are mandatory. \*This course has a fine arts fee of \$20.*

## **Concert Choir (Chorus I, II, III, and IV)**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*This mixed ensemble is for students who love music and singing and are interested in developing a significant understanding of vocal technique, solo and ensemble singing, multi-genre choir repertoire, music theory, and music history. Students are expected to sing each day in rehearsal and perform in a minimum of two school-sanctioned, on-site performances per semester as a part of their semester grade. \*This course has a fine arts fee of \$20.*

*Prerequisites: Audition*

## **Dual Enrollment MUS 1040-5 Choral Union**

*Eligible Grades: 11,12*

*Credits: 1*

*This large choral group performs great classical works such as Handel's Messiah in the fall as well as Broadway type musicals in the spring. Members of the College Choir and all students pursuing a program of study with a concentration in music are required to participate in the fall semester. This is also open to all students not pursuing a music degree program.*

*Prerequisites: Audition, juniors and seniors only*

## **Concert Band I, II, III, and IV**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*This class gives students the opportunity to explore traditional, historical, and contemporary wind band literature, symphonic transcriptions, as well as actual wind ensemble literature. The selection of literature and performance curriculum will be based on the National Standards for Instrumental Music Education. Many extra-curricular opportunities are also available including, but not limited to, marching band, large chamber ensembles, brass and woodwind choirs and chamber groups. \*This course has a fine arts fee of \$20.*

*Prerequisites: Must have been in band both semesters of previous year or have director recommendation; Increased levels require previous course and/or advanced skill.*

## **Intro to Theatre**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*This course is designed to introduce students to the various elements of theatre and emphasizes artistic perception and creative expression. This course will promote understanding aesthetic value, historical and cultural awareness, and the interconnections of the arts and other disciplines. Topics covered in this course include: improvisation, pantomime, voice and diction, stage movement, characterization, historical context, and significant plays and playwrights. In addition to being a fun class, theatre is considered beneficial to public speaking skills, self-confidence and poise. \*This course has a fine arts fee of \$20.*

## **Theater: Musical Theater I, II, III, and IV**

*Eligible Grades: 9, 10,11,12*

*Credits: 1*

*Musical Theater courses provide students with the opportunity to participate in various aspects of musical theater, including auditioning, singing, acting, and dancing. These courses review the history and evolution of musical theatre, its literature and artists, and styles of composition and vocal presentation. Students work collaboratively on performances, including solo, duet, and ensemble work as they prepare for actual performances. Outside class rehearsals and performances are required. These courses are designed for students that wish to further their theatre experience and build each level with more advanced skills and leadership. \*This course has a fine arts fee of \$20.*

*Prerequisites: Required Audition, Increased levels require previous course and/or advanced skill*

## **Class Guitar I, II**

*Eligible Grades: 9,10,11, 12*

*Credits: 1*

*Class Guitar is a place where students may experience beginner guitar. They will learn basic chords and attain the ability to pick melodies. They will also use these guitar skills to write songs.*

*\*This course has a fine arts fee of \$20.*

## **Dual Enrollment MUS 1401 Class Guitar**

*Eligible Grades: 11, 12*

*Credits: 1*

*This course focuses on acquisition of the fundamental skills required for playing guitar. This includes learning how to read notes and rhythms, developing proper technique, and understanding proper practice habits.*

*Prerequisite: Juniors and seniors only.*

## **Class Piano I, II**

*Eligible Grades: 9,10,11, 12*

*Credits: 1*

*Class piano is a place where students may experience beginner piano. They will attain an understanding of the piano and music theory. Students should be able to play songs on the piano by the end of the semester. \*This course has a fine arts fee of \$20.*

## **Dual Enrollment MUS 1272 Class Piano**

*Eligible Grades: 11, 12*

*Credits: 1*

*Designed for beginning students with little or no piano experience. Students may enter Private Piano upon completion of the course*

*Prerequisite: Juniors and seniors only.*

# Health & Physical Education



Students are required to complete one credit of Wellness, usually taken during the student's freshman year. Students are required to complete an additional half credit of physical education, which is typically paired with personal finance their junior year.

Possible Path	9th	10th	11th	12th
Required	Wellness		Physical Education (.5)	

## Possible Electives

Weights and Kinesiology

## **Wellness**

*Eligible Grades: 9*

*Credits: 1*

*This course is a graduation requirement for those students entering the ninth grade. The course is designed to help students make choices about their health; the course will focus on the principles of lifetime wellness, not solely on activity and sports. Topics to be covered include disease prevention, mental health, nutrition, personal fitness and related skills, safety and first aid, and sexuality and family life. This course is a classroom and gym combination.*

## **Physical Education**

*Eligible Grades: 10,11,12*

*Credits: .5*

*A minimum of a half credit of PE is required of all students earning a regular diploma. Activities will include calisthenics, running, individual and team sports. These activities will provide carry-over and intrinsic value for leisure time participation.*

## **Weights & Kinesiology**

*Eligible Grades: 10,11,12*

*Credits: 1*

*This class is designed to develop strength through weight training, conditioning through intense physical activity, stamina building through methods of rigorous exercise, and endurance through sustained periods of quickness and agility drills. Students who are enrolled in Strength & Conditioning (Athletics) may not be enrolled in Weights and Kinesiology during the same school year.*

*Prerequisites: Wellness*

## **Strength and Conditioning**

*Eligible Grades: 9,10,11,12*

*Credits: 1-7*

*This course will include basic training techniques, proper use of equipment and identification of major and secondary muscle groups. Students will work with the instructor to create an individual workout program. This course is taught as a lifetime activity and part of an overall fitness program.*

*Prerequisites: Approval of coach.*

# World Language



The Tennessee State Board of Regents requires two credits of the same language for college entry.

Possible Path	9th	10th	11th	12th
Standard	None	Spanish I/Spanish II	Optional	Optional
Honors	None	Honors Spanish I/Honors Spanish II	Optional	Optional

\*\*\* *Native speakers may take a placement test to determine course placement.*

## **Spanish I**

*Eligible Grades: 10,11,12*

*Credits: 1*

*The first year of Spanish will provide students with the fundamental vocabulary and grammar knowledge for simple reading, writing and conversation (listening and speaking). Students also begin to gain insight into the culture and geographical location of Spanish-speaking countries.*

## **Honors Spanish I**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*Students will learn extensive vocabulary and grammar for reading, writing and conversation and will explore the culture and geography of Hispanic countries. Emphasis will be placed on listening comprehension and conversational skills. Students will be expected to complete projects and activities that require research and presentations.*

*Prerequisites: Strong academic performance in Honors English I, or teacher recommendation*

## **Spanish II**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Spanish 2 builds on the vocabulary learned in Spanish I and continues to develop the four language skills: listening, speaking, grammatical structure, reading, and writing. Emphasis is placed on listening comprehension. Also included is the continuation of cultural and geographical knowledge.*

*Prerequisites: Spanish 1*

## **Honors Spanish II**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*Spanish 2 builds on the vocabulary and skills learned in Spanish I Honors, with special emphasis on conversational skills and listening comprehension. Spanish 2 students will be expected to effectively communicate with Spanish speakers. Students will continue exploring the culture and geography of the Hispanic world; they also will be expected to complete projects and activities requiring research and presentation.*

*Prerequisites: Strong academic performance in Spanish I Honors*

## **Honors Spanish III**

*Eligible Grades: 10,11,12*

*Credits: 1*

*This course is for the student who is interested in expanding his/her knowledge of Spanish. It includes the study of advanced grammar with a strong emphasis on conversation, reading comprehension, special projects, culture and literature.*

*Prerequisites: B average in Spanish II, and teacher recommendation.*

## **Honors Spanish IV**

*Eligible Grades: 11, 12*

*Credits: 1*

*Level IV students frequently work independently. By the end of this course, they will have mastered many verb tenses and grammatical skills, which will be reflected in their reading, writing and speaking abilities.*

*Prerequisites: Strong academic performance in Spanish III Honors, and teacher recommendation required.*

# Career & Technical Education:



## Advanced Manufacturing

Possible Path	Level 1	Level 2	Level 3	Level 4
Machining	Principles of Manufacturing (Introduction to Manufacturing and Mechatronics)	Principles of Machining I	DE Metalworking I	DE Metalworking II
Mechatronics	Principles of Manufacturing (Introduction to Manufacturing and Mechatronics)	Robotics & Automated Systems	DE Mechatronics I	DE Mechatronics II

### Potential Post-Secondary Opportunities (EPSOs)

OSHA 10 Industry Certification (Intro to Manufacturing and Mechatronics)

Precision, Measuring, and Instrument Certification (PMI) (Intro to Manufacturing and Mechatronics)

FANUC Certified Robot Operator (DE Mechatronics I)

## **Principles of Manufacturing (Introduction to Manufacturing and Mechatronics)**

*Eligible Grades: 9, 10, 11*

*Credits: 1*

*This is the first course in the Machining Technology, Industrial Maintenance Technology, Mechatronics, and Welding programs of study. Principles of Manufacturing is designed to provide students with exposure to various occupations and pathways in the Advanced Manufacturing career cluster, such as Machining Technology, Industrial Maintenance Technology, Mechatronics, and Welding. To gain a holistic view of the advanced manufacturing industry, students will complete all core standards, as well as standards in two focus areas. Throughout the course, they will develop an understanding of the general steps involved in the manufacturing process and master the essential skills to be an effective team member in a manufacturing production setting. Course content covers basic quality principles and processes, blueprints and schematics, and systems. Upon completion of this course, proficient students will advance from this course with a nuanced understanding of how manufacturing combines design and engineering, materials science, process technology, and quality. Upon completion of the Principles of Manufacturing course, students will be prepared to make an informed decision regarding which Advanced Manufacturing program of study to pursue. Students in this course will complete OSHA 10 General Industry modules to obtain potential industry certification, and students will begin the process of testing for PMI Industry Certification modules.*

## **Principles of Machining I**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Principles of Machining I is designed to provide students with the skills and knowledge to be effective in production environments as a machinist, CNC operator, or supervisor. Upon completion of this course, proficient students will demonstrate safety practices concerning machining technology, proper measurement, and layout techniques, reading and interpreting drawings and blueprints, production design processes, and quality control procedures. Upon completion of this course, students will be knowledgeable about potential postsecondary education and career opportunities related to machining technology and will be prepared to enroll in more advanced machining courses in high school. Students will complete the modules for the PMI Industry Certification. Students in this course will need to provide their own welding helmet.*

*Prerequisites: Intro to Manufacturing & Mechatronics*

## **Robotics & Automated Systems**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Robotics & Automated Systems is an applied course for students who wish to explore how robots and automated systems are used in industry. Upon completion of this course, proficient students will understand the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; ethical standards for engineering and technology professions; and testing and maintenance of robots and automated systems.*

*Prerequisites: Intro to Manufacturing & Mechatronics*

## **Dual Enrollment Mechatronics I**

*Eligible Grades: 10, 11,12*

*Credits: 1*

*This program includes classroom and “hands-on” experience in electronics, electrical, pneumatics, hydraulics, motor controls, programmable controllers, robotics, machine shop, and related math. Students completing this program are prepared to perform at entry level in a typical industrial environment. Students will repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment. Upon completion of this course, proficient students may be able to test for the FANUC Certified Robot Operator certification. Students will receive clock hours through TCAT-Hartsville for this course.*

*Prerequisites: a C or above in Intro to Manufacturing & Mechatronics and Robotics and Automated Systems*

## **Dual Enrollment Metalworking I**

*Eligible Grades: 10, 11,12*

*Credits: 1*

*Students will learn the various basic and advanced welding/pipefitting techniques that are common in the industries: Shielded Metal, Gas Metal, Gas Tungsten and Flux Cored Arc Welding, cutting techniques, grinding, metal preparation, symbols and blueprint reading, metallurgy, layout, fabrication, pipe/valves/fitting installation, power tools, and measurement techniques. Students will receive clock hours through TCAT-Hartsville for this course. Students in this course will need to provide their own welding helmet.*

*Prerequisites: a C or above in Intro to Manufacturing & Mechatronics and Machining I*

## **Dual Enrollment Mechatronics II**

*Eligible Grades: 11,12*

*Credits: 1-3*

*This course is an extension of DE Mechatronics I. Students will extend their learning by focusing on more advanced projects. Students will receive clock hours through TCAT-Hartsville for this course. Students may take this course more than once.*

*Prerequisites: C or above in DE Mechatronics I*

## **Dual Enrollment Metalworking II**

*Eligible Grades: 11,12*

*Credits: 1-3*

*This course is an extension of DE Metalworking I. Students will extend their learning by focusing on more advanced projects. Students will receive clock hours through TCAT-Hartsville for this course. Students in this course will need to provide their own welding helmet. Students may take this course more than once.*

*Prerequisites: C or above in DE Metalworking I*

# Career & Technical Education:



## Agriculture

Possible Path	Level 1	Level 2	Level 3	Level 4
Horticulture Science	Agriscience OR Honors Agriscience	Principles of Plant Science & Hydroculture	Greenhouse Management (Dual-Credit)	Supervised Agriculture Experience OR Landscape & Turf Science
Veterinary and Animal Science	Agriscience OR Honors Agriscience	Small Animal Science	Large Animal Science (Dual-Credit)	Supervised Agriculture Experience OR Veterinary Science Technologies

### Potential Post-Secondary Opportunities

OSHA 10 Industry Certification

Elanco Veterinary Medicine Application Certification (Vet Science)

Large Animal Science Dual-Credit Exam (MTSU)

Orientation to Agriscience Dual-Credit Exam (MTSU)

## **Agriscience**

Eligible Grades: 9,10,11,12

Credits: 1

*Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology plays in the twenty-first century. In addition, it serves as the first course for all programs of study in the Agriculture, Food, & Natural Resources cluster. Upon completion of this course, proficient students will be prepared for success in more advanced agriculture and science coursework. This class will satisfy the requirements for one of the 3 lab science credits necessary for graduation and college entrance requirements.*

## **Honors Agriscience/Dual-Credit AGRI 1001 Orientation to Agriscience**

Eligible Grades: 9,10

Credits: 1

*Honors Agriscience is an accelerated introductory laboratory science course that prepares students for biology, subsequent science courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serve in the 21st century. In addition, it is a prerequisite course and serves as the first course for all programs of study in the Agricultural Science pathways. Upon completion of this course, proficient students will be prepared for success in more advanced agricultural and science coursework. This class will satisfy the requirements for one of the 3 lab science credits necessary for graduation and college entrance requirements. Students will complete a formal Agriscience Fair Project. Students will take an exam to earn 1 hour dual-credit through MTSU for AGRI 1001 - Orientation to Agriscience.*

*Prerequisite:* a B or higher in previous science and English courses.

## **Principles of Plant Science and Hydroculture**

Eligible Grades: 10,11,12

Credits: 1

*Principles of Plant Science and Hydroculture focuses on essential knowledge and skills related to the science of plant growth. This course covers principles of plant health, growth, reproduction, and biotechnology, as well as fundamental principles of hydroponics and aquaponics. Upon completion of this course, proficient students will be prepared for more advanced coursework in horticulture science.*

*Prerequisite:* Agriscience

## **Small Animal Science**

Eligible Grades: 10,11,12

Credits: 1

*Small Animal Science is an intermediate course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of different groups of small animals, as well as careers, leadership, and the history of the industry. Upon completion of this course, proficient students will be prepared for more advanced coursework in veterinary and animal science.*

*Prerequisites:* Agriscience

## **Large Animal Science/Dual-Credit ANSC Introduction to Animal & Veterinary Sciences**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Large Animal Science is an applied course in veterinary and animal science for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of different groups of large animals, as well as careers, leadership, and history of the industry. Upon completion of this course, proficient students will be prepared for success in the level-four Veterinary Science course and further postsecondary training. In this course, students will take the dual-credit exam through MTSU to earn potential college credit.*

*Prerequisites: Agriscience, Small Animal Science*

## **Greenhouse Management**

*Eligible Grades: 11, 12*

*Credits: 1*

*Greenhouse Management is an applied-knowledge course designed to prepare students to manage greenhouse operations. This course covers principles of greenhouse structures, plant health and growth, growing media, greenhouse crop selection and propagation, and management techniques. Upon completion of this course, proficient students will be equipped with the technical knowledge and skills needed to prepare for further education and careers in horticulture production. Greenhouse Management is a dual credit course with statewide articulation.*

*Prerequisite: Agriscience and Principles of Plant Science*

## **Veterinary Science Technologies**

*Eligible Grades: 11, 12*

*Credits: 1*

*Veterinary Science is an advanced course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and additional industry-related career and leadership knowledge and skills. Upon completion of this course, students will be able to pursue advanced study of veterinary science at a postsecondary institution. Upon completion of this course, students will take the exam to earn Elanco Veterinary Medicine Application Certification.*

*Prerequisites: Agriscience and Small and Large Animal Sciences*

## **Supervised Agricultural Experience**

*Eligible Grades: 11, 12*

*Credits: 1*

*Supervised Agricultural Experience (SAE) is the delivery model for Work-Based Learning (WBL) used in approved AFNR programs. It consists of two levels, Foundational and Immersion. Foundational SAE is career generic and focused on career exploration & planning, personal finance, workplace safety, college and career skills, and general agricultural literacy. Foundational SAE meets CTE Career Exploration and Planning expectations. Immersion SAE will meet WBL capstone experience requirements for CTE credit and consists of entrepreneurship, internships, research, school-based enterprise, and service learning activities.*

*Prerequisites: 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> level agriculture courses and a teacher recommendation*

# Career & Technical Education:



## Civics, Public Service, & Safety

Possible Path	Level 1	Level 2	Level 3	Level 4
Criminal Justice and Corrective Services	Criminal Justice I	Criminal Justice II (Dual-Credit)	Criminal Justice III	Criminal Justice Practicum

### Potential Post-Secondary Opportunities (EPSOs)

OSHA 10 General Industry Certification

Intro to Criminal Justice Dual Credit Exam (Vol State)

## **Criminal Justice I**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*Criminal Justice I is the first course in the Criminal Justice and Correction Services program of study. It serves as a comprehensive survey of how the law enforcement, legal, and correctional systems interact with each other in the United States. Upon completion of this course, proficient students will understand the context of local, state, and federal laws, the concepts of crime control and the judicial process, and the importance of communications and professionalism in law enforcement. Students will complete OSHA 10 General Industry Certification.*

## **Criminal Justice II**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*Criminal Justice II is the second course in the Criminal Justice and Correction Services program of study. Upon completion of this course, proficient students will understand the impact of the constitution on law enforcement, law enforcement and police procedures, alcohol, and beverage laws, sentencing, and the importance of communications and professionalism in law enforcement. Students will take the Dual Credit Criminal Justice CRMJ 1010 exam to obtain potential college credit.*

*Prerequisites: Criminal Justice I*

## **Criminal Justice III: Forensic Criminal Investigations**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Forensic Criminal Investigations is the third course designed to equip students with the knowledge and skills to be successful in the sciences of criminal investigations. Students will learn terminology and investigation skills related to the crime scene, aspects of criminal behavior, and applications of the scientific inquiry to solve crimes. By utilizing the scientific inquiry method, students will obtain and analyze evidence through simulated crime scenes and evaluation of case studies. Upon completion of this course, proficient students will be able to identify careers forensic science and criminology, summarize the laws that govern the application of forensic science, and draw key connections between the history of the forensic science system and the modern legal system.*

*Prerequisites: Criminal Justice I & II*

## **Criminal Justice Practicum**

*Eligible Grades: 11,12*

*Credits: 1*

*Criminal Justice Practicum is a capstone course in the Law Enforcement and Correction Services program of study that provides a practicum experience for students as they develop an understanding of professional and ethical issues. The capstone course will be based on the knowledge and skills from previous courses in the Law Enforcement and Correction Services program of study. Upon completion of the course, students will be proficient in components of communication, critical thinking, problem solving, information technology, ethical and legal responsibilities, leadership, and teamwork. Instruction may be delivered through school-based laboratory training or through work-based learning arrangements such as cooperative education, mentoring, and job shadowing.*

*Prerequisites: Criminal Justice I, II, & III*

# Career & Technical Education:



## Digital Technology

Possible Path	Level 1	Level 2	Level 3	Level 4
Coding	Computer Science Foundations	Coding I *	AP Computer Science Principles	Coding Practicum *

*\* These courses will not be offered in the 2025-26 school year.*

## **Computer Science Foundation**

*Eligible Grades: 9-12*

*Credits: 1*

*Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Coding, Web Design, and Cybersecurity. As a result, students will complete all core standards, as well as standards in two of four focus areas. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Depending on the focus area, proficient students will also demonstrate an understanding of electronics and basic digital theory; project management and teamwork; client relations; causes and prevention of Internet security breaches; and writing styles appropriate for web publication. Upon completion of the CSF course, students will be prepared to make an informed decision about which Information Technology program of study to pursue. (Meets the computer science class requirement for students in the class of 2028 and 2029.)*

*\*\* Students who struggle with math may wish to delay taking this course until after successfully completing Algebra I.*

## **AP® Computer Science Principles**

*Eligible Grades: 9-12*

*Credits: 1*

*Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. (Meets the computer science class requirement for students in the class of 2028 and 2029.)*

*Prerequisite: Strong academic performance in science and math courses.*

# Career & Technical Education:



## Education

Possible Path	Level 1	Level 2	Level 3	Level 4
Teaching as a Profession	Introduction to Teaching as a Profession	Teaching as a Profession I	Teaching as a Profession II	Teaching as a Profession Practicum

### Potential Post-Secondary Opportunities

Basic Life Support (BLS - CPR) Certification (Fundamentals of Education)

## **Introduction to Teaching as a Profession**

*Eligible Grades: 9, 10,11,12*

*Credits: 1*

*Fundamentals of Education is a foundational course in the Teaching as a Profession program of study for students interested in learning more about becoming a teacher, school counselor, trainer, librarian, or speech-language pathologist. Upon completion of this course, proficient students will Page 2 gain knowledge in the history of education in the United States, careers in education, and the influence of human development on learning. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Students in this course will train to obtain BLS (CPR) certification.*

## **Teaching as a Profession I**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*Teaching as a Profession I (TAP I) is an intermediate course for students interested in learning more about becoming a teacher, school counselor, trainer, librarian, or speech-language pathologist. This course covers the components of instruction, teaching strategies, types of assessments, student learning, special populations, and educational technology. Students will conduct observations of educators at work and create artifacts for a course portfolio, which will continue with them throughout the program of study. Upon completion of this course, proficient students will have a fundamental understanding of instructional strategies needed for becoming an educator.*

*Prerequisite: Introduction to Teaching as a Profession*

## **Teaching as a Profession II**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Teaching as a Profession II (TAP II) is an applied-knowledge course for students interested in learning more about becoming a teacher, school counselor, trainer, librarian, or speech-language pathologist. This course covers classroom management, concepts of higher order thinking, differentiating instruction, and strategies of effective classroom planning. Students in this course will demonstrate their skills in laboratory settings while building a course portfolio of work, which will carry with them throughout the program of study. Upon completion of this course, proficient students will be prepared to take the capstone TAP III course and further their studies at the postsecondary level.*

*Prerequisite: Teaching as a Profession I*

## **Teaching as a Profession Practicum**

*Eligible Grades: 11,12*

*Credits: 1*

*Teaching as a Profession (TAP) Practicum is a capstone course in the Education and Training career cluster for students interested in applying the knowledge and skills learned in previous courses toward becoming a teacher, school counselor, trainer, librarian, or speech-language pathologist. The course covers classroom professionalism, ethics, policies, communications, and career requirements in education and training fields. In addition, students will complete an internship and continue to create artifacts for their student portfolios. Upon completion of this course, proficient students will be prepared to pursue advanced training at a postsecondary institution.*

*Prerequisite: Teaching as a Profession II*

# Career & Technical Education:



## Healthcare & Human Services

Possible Path	Level 1	Level 2	Level 3	Level 4
Therapeutic Services	Health Science Education	Medical Therapeutics	Anatomy & Physiology	Clinical Internship (CCMA)
Nursing Services	Health Science Education	Medical Therapeutics	Anatomy & Physiology	Clinical Internship (PCT)
Sports and Human Performance	Health Science Education	Rehab Careers	Anatomy & Physiology	Clinical Internship – Exercise Science (CPT)

### Potential Post-Secondary Opportunities (EPSOs)

Basic Life Support (BLS-CPR) Certification

OSHA 10 General Industry (Healthcare) Certification

Certified Physical Therapist Aide (PT Aide)

Certified Patient Care Technician (PCT)

Certified Clinical Medical Assistant (CCMA)

Certified Personal Trainer (CPT)

Medical Terminology Dual Credit Exam (Vol-State)

(can be taken after two courses in the healthcare and human services track)

Emergency Medical Technician (EMT) Certification

## **Health Science Education**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*Health Science Education is an introductory course designed to prepare students to pursue careers in the fields of public health, therapeutics, health services administration, diagnostics, and support services. Upon completion of this course, a proficient student will be able to identify careers in these fields, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills. This course will serve as a strong foundation for all the Health Science programs of study as well as the Health Services Administration program of study.*

## **Medical Therapeutics**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Medical Therapeutics is an applied course designed to prepare students to pursue careers in therapeutic and nursing services. Upon completion of this course, a proficient student will be able to identify careers in therapeutics services; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatments. Students will work to gain a certification in Basic Life Support (BLS) as a part of this course.*

*Prerequisites: Health Science Education*

## **Rehabilitation Careers**

*Eligible Grades: 10,11,12*

*Credit: 1*

*Rehabilitation Careers is an applied course designed to prepare students to pursue careers in rehabilitation services. Upon completion of this course, a proficient student will be able to identify careers in rehabilitation services, recognize diseases, disorders or injuries related to rehabilitation services and correlate the related anatomy and physiology then develop a plan of treatment with appropriate modalities. Students will work to gain a Physical Therapy Aide (PT Aide) certification as a part of this course.*

*Prerequisites: Health Science Education*

## **Anatomy and Physiology**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Anatomy and Physiology is designed to develop an understanding of the structures and functions of the human body while relating those to knowledge and skills associated with pathophysiology. Upon completion of this course, proficient students will be able to (1) apply the gross anatomy from earlier courses to a deeper understanding of all body systems, (2) identify the organs and structures of the support and movement systems, (3) relate the structure and function of the communication, control, and integration system, and (4) demonstrate a professional, working understanding of the transportation, respiration, excretory, and reproduction systems. This course satisfies the third lab science credit needed for graduation.*

*Prerequisites: Health Science Education and Medical Therapeutics or Rehabilitation Careers*

## **Clinical Internship – Therapeutic Services (CCMA) (Full Year)**

*Eligible Grades: 11,12*

*Credits: 2*

*Clinical Internship is a capstone course and Work-Based Learning (WBL) experience designed to provide students with real-world application of skills and knowledge obtained in a prerequisite Health Science course. Upon completion of this course, proficient students will be able to earn a national Certified Clinical Medical Assistant Certification. Prior to beginning work at a clinical site, students must be certified in Basic Life Support (BLS) Cardiopulmonary Resuscitation (CPR), and deemed competent in basic first aid, body mechanics, Standard Precaution guidelines, and confidentiality. Students will also obtain OSHA 10 General Industry (Healthcare) Certification.*

*Prerequisites: Health Science Education, Medical Therapeutics, Anatomy & Physiology, and completion of a formal application process and teacher recommendation*

## **Clinical Internship – Nursing Services (PCT) (Full Year)**

*Eligible Grades: 11,12*

*Credits: 2*

*Clinical Internship is a capstone course and Work-Based Learning (WBL) experience designed to provide students with real-world application of skills and knowledge obtained in a prerequisite Health Science course. Upon completion of this course, proficient students will be able to earn a national Patient Care Technician Certification. Prior to beginning work at a clinical site, students must be certified in Basic Life Support (BLS) Cardiopulmonary Resuscitation (CPR), and deemed competent in basic first aid, body mechanics, Standard Precaution guidelines, and confidentiality. Students will also obtain OSHA 10 General Industry (Healthcare) Certification.*

*Prerequisites: Health Science Education, Medical Therapeutics, Anatomy & Physiology, and completion of a formal application process and teacher recommendation*

## **Clinical Internship – Exercise Science (CPT) (Full Year)**

*Eligible Grades: 11,12*

*Credits: 2*

*Clinical Internship is a capstone course and Work-Based Learning (WBL) experience designed to provide students with real-world application of skills and knowledge obtained in a prerequisite Health Science course. Upon completion of this course, proficient students will be able to earn a national Personal Training Certification. Prior to beginning work at a clinical site, students must be certified in Basic Life Support (BLS) Cardiopulmonary Resuscitation (CPR), and deemed competent in basic first aid, body mechanics, Standard Precaution guidelines, and confidentiality.*

*Prerequisites: Health Science Education, Rehabilitation Careers, Anatomy & Physiology, and completion of a formal application process and teacher recommendation.*

## **Emergency Medical Technician - Technical Certificate (Full Year)**

*Eligible Grades: 12*

*Credits: 16*

*This two-semester program is a dual-enrollment cohort with Vol State for students interested in careers of an EMT or paramedic. Upon completion of the 16 hour credit requirement, students will have the opportunity to sit for the Tennessee EMT professional license examination to enable hiring as an EMT. Students will come to Vol State's Gallatin Campus four days a week Monday-Thursday from 2-4 pm and some Saturday full-day clinicals to complete these courses. Courses are listed in the dual enrollment section at the end of this catalog.*

*Prerequisites: Minimum of 2.0 GPA, transportation to Vol State campus*

# Career & Technical Education:



## Hospitality & Events

Possible Path	Level 1	Level 2	Level 3	Level 4
Culinary Arts	Culinary Arts I	Culinary Arts II	Culinary Arts III	Culinary Arts IV/DE Safety & Sanitation/DE Culinary Math

### Potential Post-Secondary Opportunities (EPSOs)

ServSafe Food Handler - 3-year Permit (Culinary II)

ServSafe Food Manager - 5-year Permit (Culinary IV)

## **Culinary Arts I**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*Culinary Arts I equip students with the foundational knowledge and skills to pursue careers in the culinary field as competent entry-level quick service and fast-food employees. Upon completion of this course, proficient students will have knowledge in the components of commercial kitchen safety and sanitation, history of the foodservice industry, hospitality careers, nutritional concepts, recipe basics, proper kitchen tools and equipment, and kitchen staples. Throughout the course students will gain experience in commercial food production and service operations, while preparing for further training in the culinary arts program of study at the secondary and postsecondary levels. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. In addition to implementing the following standards, the course should include a suggested 30 hours spent in a commercial kitchen laboratory.*

*Prerequisites: none*

## **Culinary Arts II**

*Eligible Grades: 9,10,11,12*

*Credits: 1*

*Culinary Arts II is an applied-knowledge course to prepare students for careers in the culinary field as a prep cook, line cook, catering assistant, and many other entry-level food and beverage industry career paths. Upon completion of this course, proficient students will have a working knowledge of commercial kitchen safety and sanitation, menu planning, food presentation, purchasing and inventory, cooking principles, and food preparation. Students will gain experience in commercial food production and service operations, while preparing for further training in the culinary arts program of study at the secondary and postsecondary levels. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Students in this course will test to gain potential their ServSafe Food Handler - 3-year Permit.*

*Prerequisites: Culinary Arts I*

## **Culinary Arts III**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Culinary Arts III is an advanced course intended to further equip students with the skills and knowledge needed to pursue a variety of careers in the culinary field. Upon completion of the course, students will be proficient in components of commercial kitchen safety and sanitation, dining room service, food preparation and presentation, bakeshop preparation skills and equipment, and advanced cooking principles. Students will gain experience in commercial food production and service operations, while preparing for further training at the postsecondary level. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses.*

*Prerequisites: Culinary Art I & II*

## **Culinary Arts IV/Dual Enrollment CULA 1200 Safety & Sanitation/Dual Enrollment CULA 1009 Culinary Math**

*Eligible Grades: 11,12*

*Credits: 1*

*Culinary Arts IV is the capstone course in the Culinary Arts program of study intended to prepare students for careers such as banquet cook, catering assistant, event planning assistant, and many other entry-level food and beverage industry career paths. Course content reinforces the components of commercial kitchen safety and sanitation, food presentation, bakeshop preparation skills, sustainability practices, professionalism, and business opportunities. Upon completion of this course, proficient students will have applied the full range of knowledge and skills acquired in this program of study toward the planning and catering of an event approved by the instructor. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Students in this course will test to gain potential their ServSafe Food Manager - 5-year Permit. As a part of this course, students will have the opportunity to obtain dual-enrollment credit through Nashville State Community College in Safety and Sanitation (2 credits) and Culinary Math (1 credit).*

*Prerequisites: Culinary Arts I, II, & III*

# Career & Technical Education:



## Management & Entrepreneurship

(Cross-Cutting Sector - Courses in this concentration may count as a third course in any other CTE pathway)

Possible Path	Level 1	Level 2	Level 3	Level 4
Business Management	Intro to Business and Marketing OR Principles of Office Applications	Advanced Office Applications	Business Management	Business & Entrepreneurship Practicum OR Work-Based Learning

### Potential Post-Secondary Opportunities

Microsoft Office Specialist – Word Industry Certification (Principles of Office Applications)

Microsoft Office Specialist – Excel Industry Certification (Advanced Office Applications)

Microsoft Office Specialist – PowerPoint Industry Certification (Advanced Office Applications)

## **Introduction to Business & Marketing**

*Eligible Grades: 9,10*

*Credits: 1*

*Introduction to Business and Marketing is an introductory course designed to give students an overview of the Business Management and Administration, Marketing, and Finance career clusters. The course helps students prepare for the growing complexities of the business world by examining basic principles of business, marketing, and finance in addition to exploring key aspects of leadership, ethical and social responsibilities, and careers. Students' academic skills in communications, mathematics, and economics are reinforced with activities modeled in the context of business topics. Upon completion of this course, proficient students will be equipped with the foundational skills to succeed in any of the Business, Marketing, or Finance programs of study and will be prepared to make an informed decision regarding which pathways they would like to pursue in high school.*

## **Principles of Office Applications**

*Eligible Grades: 9,10, 11, 12*

*Credits: 1*

*Computer Applications is a foundational course intended to teach students the computing fundamentals and concepts involved in the use of common software applications. Upon completion of this course, students will gain basic proficiency in word processing, spreadsheets, databases, and presentations. In addition, students will have engaged in key critical thinking skills and will have practiced ethical and appropriate behavior required for the responsible use of technology.*

## **Advanced Office Applications**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Advanced Computer Applications prepares students to continue postsecondary training in business related programs, provides advanced training for students pursuing a career in administrative and information support, and supports obtaining an industry certification in specific software applications (such as the Microsoft Office Suite). Course content and projects are meant to simulate workplace scenarios and draw on skills related to communications, operations, management, and teamwork to accomplish information management goals. Upon completion of this course, proficient students will be fluent in a variety of information management software applications and will be prepared to sit for the Microsoft Office Specialist (MOS) Certification Exam.*

*Prerequisites: Principles of Office Applications*

## **Business Management**

*Eligible Grades: 11,12*

*Credits: 1*

*Business Management focuses on the development of the planning, organizing, leading, and controlling functions required for the production and delivery of goods and services. This applied knowledge course addresses the management role of utilizing the businesses' resources of employees, equipment, and capital to achieve an organization's goals. Students will participate in a continuing project throughout the course in which, individually or in teams, they will present recommendations to improve an existing business. Local business partnerships are encouraged to provide resources for faculty and students. Upon completion of this course, proficient students will be able to complete a full review of an existing business and offer recommendations for improvement as would a management consultant.*

## **Business Entrepreneurship Practicum**

*Eligible Grades: 11, 12*

*Credits: 1-2*

*Business & Entrepreneurship Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Business and Marketing courses within a simulated startup environment or authentic business setting. The course is structured to allow students the creativity to develop, launch, and market original business ideas. It is ideal for students who wish to pursue careers as future business owners or entrepreneurs. Practicum activities can take place around student-led startups under the supervision of the instructor, or in collaboration with a business incubator. This course can also be used to promote student participation in a work-based learning (WBL) experience through an internship or other off-campus or virtual arrangement. Upon completion of the practicum, proficient students will be prepared to further develop their business ideas into viable ventures or continue their study at the postsecondary level. Students will be required to complete projects for DECA or FBLA and compete as a part of this course. Course Fee: \$30*

*Prerequisites: Business Management*

## **Work Based Learning – Management and Entrepreneurship Practicum**

*Eligible Grades: 11,12*

*Credits:1-2*

*Work-based learning (WBL) is a proactive approach to bridging the gap between high school and high-demand, high-skill careers in Tennessee. Seniors may elect to participate in a Work-Based Learning program in which they may earn credit for work experience in a specific vocational field. Work-Based Learning is offered in all career and technical education areas. Students should use their chosen elective focus and their high school plan of study as the basis for their Work-based learning experience. Students should participate in an aligned CTE program of study and/or other related courses prior to enrolling in this course. WBL experiences must reflect the student's long-term goals and interests and foster postsecondary and career preparation.*

*Prerequisites: Intro to Business and Business Management*

# Career & Technical Education:



## Marketing & Sales

(Cross-Cutting Sector - Courses in this concentration may count as a third course in any other CTE pathway)

*\* These are suggested pathways, but please talk with your counselor for more personalized guidance.*

Possible Path	Level 1	Level 2	Level 3	Level 4
Marketing Management	Marketing and Management I: Principles	Marketing and Management II: Advanced Strategies OR Retail Operations	Retail Operations OR Marketing Practicum	WBL: Marketing Management Career Practicum

### Potential Post-Secondary Opportunities (EPSOs)

Principles of Marketing Dual Credit Exam (Vol State)

## **Marketing and Management I: Principles**

*Eligible Grades: 9, 10,11,12*

*Credits: 1*

*Marketing and Management I: Principles focuses on the study of marketing concepts and their practical applications. Students will examine the risks and challenges that marketers face to establish a competitive edge in the sale of products and services. Topics covered include foundational marketing functions such as promotion, distribution, and selling, as well as coverage of economics fundamentals, international marketing, and career development. Upon completion of this course, proficient students will understand the economic principles, the marketing mix, and product development and selling strategies.*

## **Marketing and Management II: Advanced Strategies**

*Eligible Grades: 11,12*

*Credits: 1*

*Marketing & Management II: Advanced Strategies is a study of marketing concepts and principles used in management. Students will examine the challenges, responsibilities, and risks managers face in today's workplace. Subject matter includes finance, business ownership, risk management, marketing information systems, purchasing, promotion, and human resource skills.*

*Prerequisites: Marketing and Management I: Principles*

## **Retail Operations**

*Eligible Grades: 11,12*

*Credits: 1*

*Retail Operations is designed to challenge students with the real world of supply chain management and merchandising services. The standards in this course are designed to prepare students with skills and knowledge related to buying, selling, human resource management, business operations, product management, promotion, and customer service. Decision-making skills, financial management, customer relations, ethics and legal issues are also addressed. Upon completion of this applied knowledge course, proficient students will have skills essential for entering careers as retail associates at entry and mid-level management as well as be prepared to enter postsecondary programs in business and marketing. The content lends itself to both work-based learning and school-based enterprises opportunities.*

*Prerequisites: Marketing and Management I: Principles*

## **Work Based Learning – Marketing and Sales Practicum**

*Eligible Grades: 12*

*Credits:1-2*

*Work-based learning (WBL) is a proactive approach to bridging the gap between high school and high-demand, high-skill careers in Tennessee. Seniors may elect to participate in a Work-Based Learning program in which they may earn credit for work experience in a specific vocational field. Work-Based Learning is offered in all career and technical education areas. Students should use their chosen elective focus and their high school plan of study as the basis for their Work-based learning experience. Students should participate in an aligned CTE program of study and/or other related courses prior to enrolling in this course. WBL experiences must reflect the student's long-term goals and interests and foster postsecondary and career preparation.*

*Prerequisites: Marketing and Management I: Principles and Marketing and Management II: Advanced Strategies*

# Career & Technical Education

## Supply Chain & Transportation

Possible Path	Level 1	Level 2	Level 3	Level 4
Aviation Flight	Introduction to Aerospace	Aviation I: Principles of Flight	Aviation II: Advanced Flight	DE Professional Pilot I

## **Introduction to Aerospace**

*Eligible Grades: 9,10,11*

*Credits: 1*

*This is the initial course for the Aviation Pathway. The course is part of the AOPA High School STEM Curriculum. The course will provide the foundation for advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will look at the problem-solving practices and innovative leaps that transformed space exploration from the unimaginable to the common in a single generation. Students will also gain historical perspective, starting from the earliest flying machines and leading to the wide variety of modern aircraft and the integral role they play in making today's world work. This second half of the course is designed to give students a clear understanding of career opportunities in aviation and aerospace and the critical issues affecting the aviation system. Students will use flight simulators and drones at an entry level in this course.*

## **Aviation I: Principles of Flight**

*Eligible Grades: 10,11,12*

*Credits: 1*

*Aviation I: Principles of Flight builds on the fundamental knowledge and skills learned in Introduction to Aerospace while teaching students the essential competencies needed for flight under normal conditions. Upon completion of this course, proficient students will be able to apply knowledge, skills, and procedures in a variety of simulated flight environments. Moreover, students who complete this course will have the opportunity to move on to advanced study in Aviation II: Advanced Flight, where they will continue to prepare for the FAA Private Pilot written exam. Students will use flight simulators and drones at an intermediate level in this course.*

*Prerequisite: Introduction to Aerospace*

## **Aviation II: Advanced Flight**

*Eligible Grades: 11,12*

*Credits: 1*

*Aviation II: Advanced Flight is the capstone course in the Aviation Flight program of study intended to prepare students for careers in aviation. While continuing to build upon the knowledge, skills, and competencies acquired in Introduction to Aerospace and Aviation I, students in Aviation II will receive rigorous instruction in preparation to take the Federal Aviation Administration (FAA) Private Pilot written exam. This course goes beyond the mastery of procedures under normal conditions learned in Aviation I: Principles of Flight and introduces students to the troubleshooting and diagnostic techniques used by pilots and other aircraft personnel to assess and correct for malfunctions, adjust in hazardous weather conditions, and perform other crucial emergency procedures. Continued emphasis is placed on maintaining the safety of flight and developing sound judgment ("judgment training") throughout these conditions. Students will use flight simulators and drones at an advanced level in this course.*

*Prerequisites: Introduction to Aerospace, Aviation I*

## **Dual Enrollment AERO 2230 Professional Pilot I**

*Eligible Grades: 11,12*

*Credits: 1*

*Provides students with aeronautical knowledge required for certification as a Private Pilot. Emphasis placed on acquisition of basic knowledge in the areas of aerodynamics, performance, systems, weather, Federal Aviation Regulations, and flight planning.*

*Prerequisites: Introduction to Aerospace, Aviation I, and Aviation II; 3.0 GPA or a 22 composite score on ACT.*

# Additional Courses



## **Advanced Peer Tutor**

*Eligible Grades: 10, 11, 12*

*Credits:1*

*This course is designed for students who have a desire to work with students with disabilities to learn more about teaching methods and gain experience in Special Education. Peer Tutors will be asked to work one-on-one with students, lead small groups, support teachers in small groups, and support students from the CDC class in elective courses. Ideal characteristics of a Peer Tutor include leadership, creativity, patience, and flexibility.*

*Prerequisites: Completed Application, Teacher Recommendation Letter*

## **Senior Project**

*Eligible Grades: 12*

*Credits: 0*

*Senior Project is designed for seniors desiring to do work during their senior year. This option allows students to showcase their talents and focus their efforts on selected areas of personal interest or service while applying and expanding upon knowledge, skills, and creativity previously developed. It is an opportunity for the student to become accountable for his/her own learning by focusing his/her talents, skills, and knowledge on an academic topic, a setting of special interest to them, or service to others.*

*Prerequisites: Supervising staff/teacher*

## **Work Based Learning**

*Eligible Grades: 11,12*

*Credits:1-2*

*Work-based learning (WBL) is a proactive approach to bridging the gap between high school and high-demand, high-skill careers in Tennessee. Seniors may elect to participate in a Work-Based Learning program in which they may earn credit for work experience in a specific vocational field. Work-Based Learning is offered in all career and technical education areas. Students should use their chosen elective focus and their high school plan of study as the basis for their Work-based learning experience. Students should participate in an aligned CTE program of study and/or other related courses prior to enrolling in this course. WBL experiences must reflect the student's long-term goals and interests and foster postsecondary and career preparation.*

*Prerequisites: participate in an aligned CTE program of study*

## AP Access for All Virtual Courses

Eligible Grades: 9-12

Credits:1-2 each

Liberty Creek High School is proud to offer additional online AP courses that our school does not currently offer through the Tennessee AP Access for All program. Students interested in these courses should be motivated to do college-level work independently that will count for high school credit on their transcript. Application required for enrollment.

Courses that may be offered through this format:

*AP 2D Art & Design* ^

*AP 3D Art & Design* ^

*AP Art History*

*AP Calculus BC*

*AP Computer Science Principles*

*AP Drawing* ^

*AP Human Geography* \*

*AP Macroeconomics*

*AP Microeconomics*

*AP Physics 1*

*AP Precalculus*

*AP Psychology* \*

*AP Spanish Language & Culture*

*AP Statistics*

*\*Indicates a good beginning AP course.*

*^ Indicates a course that must be year-long.*

## Dual Enrollment Courses

Eligible Grades: 11-12

Credits: 1-2 each

Liberty Creek High School is proud to offer dual enrollment courses through Volunteer State Communication College, Welch College, Nashville State Community College, Middle Tennessee State University, and Tennessee College for Applied Technology. Dual enrollment courses are college-level and taught by college professors, online or in-person depending on the course and number of students taking the course. Some courses are taught by teachers at LCHS through the college programs listed. Some dual enrollment courses have been listed throughout subjects, but all dual enrollment offerings are listed here as well. Please click [HERE](#) and read about the program requirements and expectations. **All paperwork for your dual enrollment institution must be completed by May 1st to be placed into these courses. If this is not completed, you will be placed in a different course.** Reach out to the counseling department for further information.

A dual enrolled student participating in the Dual Enrollment Grant program may receive funding for up to ten (10) lifetime dual enrollment courses. If enrolled in a 3-credit hour course for the first five (5) courses, the students may receive up to \$582.75. For courses 1-5 which are not 3 credit hours, courses are paid at a rate of \$194.25 per credit hour. For courses 6-10, \$100 per credit hour. DE Students must earn a minimum cumulative 2.00 GPA for all courses attempted while under the grant each semester to remain eligible for the grant.

Please read the details by clicking [HERE](#).

## ***DE Courses Currently Offered***

### **Vol State Offerings:**

<i>Eng 1010/1020</i>	<i>English Composition 1 &amp; 2</i>	<i>DE English 1010/1020*</i>
<i>Math 1130</i>	<i>College Algebra</i>	<i>DE Algebra*</i>
<i>Math 1530</i>	<i>Introductory Statistics</i>	<i>DE Statistics*</i>
<i>Psyc 1030</i>	<i>Introduction to Psychology</i>	<i>DE Psychology*</i>
<i>Comm 2025</i>	<i>Fundamentals of Communication</i>	<i>DE Speech*</i>
<i>Comm 2045</i>	<i>Public Speaking</i>	<i>DE Speech</i>
<i>Phil 1040</i>	<i>Introduction to Ethics</i>	<i>DE Philosophy</i>
<i>Eng 2045</i>	<i>Introduction to Literature</i>	<i>DE English 2045</i>
<i>Eng 2110</i>	<i>Early American Literature</i>	
<i>Mus 1030</i>	<i>Introduction to Music</i>	<i>DE Music</i>
<i>Math 1710</i>	<i>Precalculus Algebra</i>	<i>DE Pre Calculus 1</i>
<i>Math 1720</i>	<i>Precalculus Trigonometry</i>	
<i>Econ 2100</i>	<i>Principles of Macroeconomics</i>	<i>DE Macro Econ</i>
<i>Hist 2010</i>	<i>Early US History</i>	
<i>Hist 2020</i>	<i>Modern US History</i>	
<i>Hist 2310</i>	<i>Early World History</i>	<i>DE Survey World History 1</i>
<i>Pols 103</i>	<i>American Government</i>	<i>DE Amer Gov</i>
<i>Soci 1010</i>	<i>Introduction to Sociology</i>	<i>DE Sociology</i>
<i>Engr 101</i>	<i>Engineering Graphics w/ CAD 1</i>	<i>DE Arch &amp; Eng 1</i>
<i>Engr 102</i>	<i>Engineering Graphics w/ CAD 2</i>	<i>DE Arch &amp; Eng 2</i>

\* indicates that course is usually taught on LCHS campus with an in-person instructor

**Vol State Cohort - EMT Certificate Program:**

EMSB 1101 - EMT Medical Skills
EMSB 1102 - EMT Trauma and Medical Skills Lab
EMSB 1111 - EMT Clinicals
EMSB 1112 - EMT Field Internship
EMSB 1601 - EMT Medical Emergencies and EMS Operations
EMSB 1602 - EMT Trauma and Medical Emergencies

**Nashville State Community College - Culinary:**

CULA 1200 - Safety & Sanitation
CULA 1009 - Culinary Math

**Welch College Offerings:**

<i>Mus 1040-5</i>	<i>Choral Union</i>	<i>DE Choral Union*</i>
<i>Mus 1401</i>	<i>Class Guitar Fall</i>	<i>DE Music*</i>
<i>Che 1008</i>	<i>General Chemistry 1 &amp; Lab</i>	<i>DE Chemistry 1*</i>
<i>Mus 1272</i>	<i>Class Piano</i>	
<i>Mus 1422</i>	<i>Class Guitar Spring</i>	<i>DE Music*</i>
<i>Phy 2007</i>	<i>General Physics &amp; Lab</i>	

\* indicates that course is usually taught at LCHS with an in-person instructor

**MTSU Offerings:**

AERO 2230	Professional Pilot I
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**TCAT Offerings:**

Mechatronics I
Mechatronics II
Metalworking I
Metalworking II

\* *Count toward hours at TCAT.*