Gallatin High School
2018-19 Course Catalog

Home of Green Wave Pride

Green Light Special
July 30 & July 31, 2018

Contact Information

Gallatin High School
700 Dan P. Herron Drive
Gallatin, TN 37066
Website: ghs.sumnerschools.org
Twitter: @GreenWavePride
Phone: (615) 452-2621
Graduation Requirements

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

(a) High School Diploma and Special Education Diploma.

1. A high school diploma will be awarded to students who: (1) earn the specified 26 units of credit and (2) have satisfactory records of attendance and conduct for eight terms. A high school diploma may also be awarded to students who qualify under the “Move on When Ready” law.

2. A special education diploma may be awarded at the end of their fourth year of high school to students with disabilities who have (1) not met the requirements for a high school diploma, (2) have satisfactorily completed an individualized education program, and (3) have satisfactory records of attendance and conduct. Students who obtain the special education diploma may continue to work towards the high school diploma through the end of the school year in which they turn twenty-two years old.

(b) High School Diploma.

The following 26 units shall be required for graduation

<table>
<thead>
<tr>
<th>Ready Core Curriculum Units</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language Arts</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics*</td>
<td>4</td>
</tr>
<tr>
<td>Science**</td>
<td>3</td>
</tr>
<tr>
<td>Social Studies***</td>
<td>3</td>
</tr>
<tr>
<td>Wellness</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>0.5</td>
</tr>
<tr>
<td>Personal Finance</td>
<td>0.5</td>
</tr>
<tr>
<td>Foreign Language****</td>
<td>2</td>
</tr>
<tr>
<td>Fine Arts****</td>
<td>1</td>
</tr>
<tr>
<td>Electives Focus*****</td>
<td>3</td>
</tr>
<tr>
<td>[Additional Sumner County electives]</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>26</td>
</tr>
</tbody>
</table>

* Students shall be required to achieve, by the time they graduate, at least the following: Algebra I, Geometry, and Algebra II (or equivalents) plus one additional mathematics course beyond Algebra II. All students will be enrolled in a math class each year. Students with qualifying disabilities as documented in the individualized education program may take Algebra IA, Algebra IB, Geometry A, and Geometry B for their required math classes over four years. Students who enter 9th grade having earned any high school math credits must still complete four credits in high school, taking one math class per year.

** Students shall be required to achieve, by the time they graduate, at least Biology I and either Chemistry or Physics plus another laboratory science. Students with qualifying disabilities in reading and/or math as documented in the individualized education program shall be required to achieve at least Biology I and two other lab science credits.

*** The social studies curriculum shall include United States History & Geography, World History & Geography, Economics, and US Government & Civics.

**** In exceptional circumstances, schools may waive the foreign language and fine art requirement for students who are not planning to attend a university to expand and enhance their elective focus.

***** An Electives Focus is defined as three courses in a related content area.
Graduation Ceremony
No student will participate in graduation exercises who has not met all requirements for a diploma.

Classification of Students
Students will be classified by credits earned. Entering students will be classified as freshmen. For freshmen to become sophomores, students must earn six (6) credits, twelve (12) credits to be considered a junior, and eighteen (18) credits to be considered a senior. Seniors in range of graduation will fall under the Senior Warning Procedures. Year of entry will be the basis for determining graduation requirements based on the adjusted requirements adopted for Block Scheduling.

Loss of Credit for Duplicate Courses
Students must check carefully to make sure that they do not register for a course for which they have previously received credit. The final checking for duplicate courses is an individual student’s responsibility. Neglect or oversight on the part of the student will result in the loss of credit.

Schedule Changes
The Board of Education procedure for schedule changes is as follows:
(1) Students register in the spring for the next academic year’s courses.
(2) 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. Other schedule changes may be made during the term if extenuating circumstances exist and the school administration approves the changes.

Honors Course Designation
Sumner County’s list of minimum and maximum credits designates courses which may be awarded honors credit in the academic core curriculum areas of English, math, social studies, science, and foreign language.

Honors Credit for Capstone Courses
Honors credit is given for Capstone courses. Capstone courses are those courses that occur during a student’s senior or final year of high school and are the third or fourth class in an elective focus area. Third and fourth year courses must demonstrate a clear progression of increasingly more rigorous content.

All honors courses must include research-based writing assignments that address and extend the course curriculum. In addition, four of the following seven components must be met:
(1) Extended reading assignments that connect with the specified curriculum.
(2) Projects that apply course curriculum to relevant or real-world situations. These may include oral presentation, power point presentations, or other modes of sharing findings. Connection of the project to the community is encouraged.
(3) Open-ended investigations in which the student selects the questions and designs the research.
(4) Use and integration of appropriate technology into the course of study.
(5) Deeper exploration of the culture values, and history of the discipline.
(6) Extensive opportunities for problem solving experiences through imagination, critical analysis, and application.
(7) Job shadowing experiences with presentations that connect class study to the world of work.

Technical courses that offer National Industry Certification through a nationally recognized examination may be weighted by adding 3 points to all grades used to calculate the semester average.

AP Special Circumstances
At the discretion of each high school, elective courses may be available in conjunction with College Board Advanced Placement. These elective courses will carry honors level or AP credit at the discretion of each high school depending on staff available and the master schedule.

Private School Statement
Pupils transferring from schools which are not approved by the State Board of Education shall be allowed credit only when they have passed a course specific comprehensive written examination or a state-recognized standardized test. These examinations and tests are to be administered and graded by the principal or designee.

Home School Statement
A home school student requesting enrollment in a Sumner County high school will be required to meet all enrollment criteria as set forth by the Sumner County Board of Education, including state-required vaccination records (TCA 49–6–3050). Home school students requesting enrollment in the 9th grade will be placed in classes based on passing a grade-specific comprehensive written examination(s) administered and graded by the student’s zoned middle school. Home school students requesting enrollment in the 10th, 11th, or 12th grades will receive credits and be placed in classes based on passing a course specific comprehensive written examination(s) administered and graded under the supervision of the principal or his/her designee of the high school at which the student is seeking enrollment.
Virtual Classes
Sumner County Schools offers an opportunity for students to experience individualized, online learning outside the traditional classroom environment. This opportunity is provided through Edmentum, a program of virtual classes available at all county high schools.

Virtual classes can be taken either in or outside of typical school hours. All students taking virtual classes are monitored by certified personnel and all assessments for these classes must be taken under the direct supervision of the teacher of record per district guidelines. Students are responsible for making appointments with the teacher in order to complete assessments.

Students who are interested should see their counselor for more information.

Credit Recovery (possible fee per course)
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 Credit Recovery Lab will be opened before and after normal school hours and at other designated times. The student must complete all work while in the supervised computer lab. To be eligible for the Credit Recovery program, a student must have earned a grade of 50-69 in the original course. In order to recover the credit, a student must demonstrate a minimum mastery in the Credit Recovery course curriculum which is aligned with Tennessee Curriculum Standards approved by the State Board of Education and must attain a passing grade when averaged with the grade in the original course. Upon successful completion of the course, the student’s original grade will be averaged with the student’s credit recovery score. The student will be given a P/F grade based on this average and receive a standard level credit for the course if the course is passed. The Credit Recovery grade will be recorded on the student’s transcript as a separate grade but will not be calculated into the student’s GPA. It does not replace the “F” in the original course. The NCAA Clearinghouse will not accept a Credit Recovery course for credit to satisfy college athletic eligibility requirements.
4 Tiers of Recognition          Cumulative GPA Minimum Honors and AP Credits
With highest recognition       3.90          18
With high recognition          3.70          16
With notable recognition       3.50          14
With recognition               3.50          Fewer than 14

This academic recognition plan includes all courses attempted by students for all eight terms of the 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 and five points on the final numerical grade for an Advanced Placement course).

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 and AP levels. For purposes of ranking valedictorian and salutatorian, only classes in a student’s schedule will count in the number of honors and AP credits. Hence any virtual class taken in addition to a student’s normal school schedule (4 classes per semester) will not be counted in the number of honors and AP credits.

If the GPA and the number of credits are tied, the individuals at this level will share rank. If no students qualify for valedictorian or salutatorian at the highest recognition tier, then each successive tier will be reviewed for students with the highest GPA and, in case of a tie, with the highest number of honors and AP credits within that tier. Students other than valedictorian and salutatorian will be recognized only by the tier in which they fall not by a specific number.

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

2. Students must be enrolled full-time at the home base school to be eligible for academic recognition.

3. 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.

4. 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 for a transfer student with fewer than the last five of the eight terms to share the position of valedictorian or salutatorian.

State Graduation with Honors and Distinction

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

2. Students will be recognized as graduating with “distinction” by attaining a B average and completing at least one of the following:
   (i) Earn a nationally 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) Attain a score of 31 or higher composite score on the ACT
   (vi) Attain a score of 3 or higher on at least two advanced placement exams
   (vii) Successfully complete the International Baccalaureate Diploma Programme
   (viii) Earn 12 or more semester hours of transcripted postsecondary credit

Each school is authorized under Sumner County Board of Education approval of this guide to prescribe a manner in which state honors and distinction will be noted at graduation.
2018-19 COURSE OFFERINGS

ENGLISH

Students will not normally be allowed to take more than one English class each year unless he/she has failed a previous English class and must retake the class in the next school year. In that case, the student would repeat the failed course in the fall semester in order to catch up to grade level English.

Honors, Enriched Honors, and AP English courses require that students participate in the Summer Reading Program. Information concerning this program can be obtained from the school website at http://ghs.sumnerschools.org

Resource English
1 Credit each year
Prerequisite: Teacher Approval
This course is designed to provide English instruction for students who have a special need in this subject.

English I - Standard
1 Credit
This course begins with a grammar review emphasizing mechanics and usage. Developing complex sentences will begin the writing curricula. Paragraph development will involve developing topic sentences into short paragraphs using formula writing. Students will be introduced to the elements of fiction in a short story unit that will prepare them to identify the same elements in subsequent works of literature. An informative research project will introduce the fundamentals of research. A poetry unit will introduce figurative language as well as other common poetic devices. Weekly vocabulary will emphasize identifying word parts and using context clues.

English I - Honors
1 Credit
Prerequisite: Accelerated 8th grade English & Placement Test
This course will emphasize vocabulary and word origins and parts. Elements of fiction will be introduced and a focus on analyzing their uses in literature will be emphasized. Writing instruction will include developing strong paragraphs and ultimately three-point essays analyzing various literary elements. Students will be introduced to research techniques and will write an informative research paper. Students will explore poetry and analyze its use of imagery, sound, form, symbolism, and figurative language.

English I – Advanced Honors
1 Credit
Prerequisite: Accelerated 8th grade English & Placement Test
This course will go above and beyond Honors English I with a strong focus on critical thinking and writing skills. Students will be prepared for Advanced Placement courses during Sophomore, Junior, and Senior years by taking this academic path.

English II - Standard
1 Credit
This course is designed to develop students’ proficiency in writing paragraphs and the developing essays. Appropriate vocabulary assignments will be included. Literature assignments will include a variety of short stories and novels will be read.

English II - Honors
1 Credit
Teacher recommendation is required.
This course emphasizes all aspects of advanced composition. Use of the word processor in composition will be encouraged. Students will learn and utilize basic research skills and will complete a persuasive research paper. Selected novels will also be read and analyzed. Students will study advanced vocabulary with a focus on the development of an extensive vocabulary.

English II - Advanced Honors
1 Credit
Prerequisite: English I Advanced Honors and Teacher Recommendation or Approval of Department Chair
This course will go above and beyond Honors English II with a strong focus on critical thinking and writing skills. Students will be prepared for Advanced Placement courses during Junior and Senior years by taking this academic path.

English III - Standard
1 Credit
This course will include assignments from appropriate grade level vocabulary, composition and reading materials. Reading assignments will be chosen on a variety of topics from conventional American literature anthologies and library resources.
Students will be encouraged to improve their speaking and listening skills. Newspapers will be used to stimulate an interest in current events.

**English III - Honors**
1 Credit
Teacher recommendation is required.
In the Junior year, students will cover the majority of the American Literature anthology. Appropriate preparation for both ACT and PSAT will be included. A comprehensive vocabulary study will be undertaken, and students may be asked to complete a research paper. College-level composition assignments as well as demanding homework assignments will be required. Appropriate novels chosen by the teacher and English department will be read.

**English III - Advanced Placement**
2 Credits (One Credit per Term) Prerequisite: Student application approved by teacher.
This is an advanced writing course whose focus is the study of rhetoric and argumentation. Students will write a number of short to mid-length essays that pertain to specific points of rhetorical analysis, argumentation, and various modes of exposition (both in and out of class) and a longer length research paper. Readings of selected nonfiction essays and American works of fiction (novels, short stories) are also required. In addition, this course includes rigorous preparation for the AP English and Composition exam in May of each year. It is highly recommended that all students and their parents read the course description at www.apcentral.collegeboard.com prior to registering. Students taking this course are expected to take the AP exam.

**English IV - Standard**
1 Credit
This course will include assignments from appropriate grade level vocabulary, composition, and reading materials. Reading assignments will be chosen on a variety of topics from conventional British literature anthologies and library resources. Students will be encouraged to strengthen their speaking and listening skills. Special emphasis will be included on a variety of useful business-related skills, such as completing forms, compiling data, completing resumes, and writing reports. Newspapers and periodicals will be used to stimulate an interest in current events.

**English IV - Honors**
1 Credit
Teacher recommendation is required.
In this course, students will cover the majority of the English literature anthology. The history of the English language will be included. College-level composition assignments and demanding homework assignments will be required. Appropriate novels chosen by the teacher and English department will be read. Emphasis will be placed on developing vocabulary and identifying different types of literature. Related compositions on a number of topics will be required.

**English IV - Advanced Placement**
2 Credits (One Credit per Term) Prerequisite: Student application approved by teacher.
This is a course designed to prepare students for the Advanced Placement Examination taken in May of each school year. Emphasis is placed on a rigorous examination of American and English literature and poetry. Students will write a number of analytical essays pertaining to drama, fiction, and poems. It is highly recommended that all students and parents read the course description at http://ghs.sumnerschools.org prior to registration. Students may begin the AP program at the start of their junior year. Students taking this course are expected to take the AP exam.

**English IV - Dual Enrollment**
1 Credit for high school and 6 college credit hours Prerequisite: ACT score of 19 on both the English and Reading sections
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 here on campus at GHS. This course consists of English 1010 and 1020 at the college level. Students must apply to Vol State for admission and all fees, including tuition, must be paid before students are allowed to enroll in this course. In addition, students must purchase their textbook.

**Creative Writing**
1/2 Credit
Open to Juniors & Seniors This course allows students to promote self-expression, to explore various writing styles, and to strive for variety in diction, sentence structure, and format. An emphasis is placed on developing fluency, logic, clarity, and creativity. While focusing on the steps of the writing process, students will write for a variety of audiences, explore diverse modes & genres of writing, and utilize evaluation & revision skills.

**Journalism**
2 Credits, Yearlong Class
Prerequisite: Teacher approval
Students in this course work with Digital Arts & Design III students in a Project Based Learning model. Students will develop a yearbook as a capstone project at the end of the school year.
CONTENT AREA READING

Content Area Reading (ACT Prep)
1/2 Credit
Open to Juniors
This class is designed to allow students to learn, practice, and internalize strategies that are essential for life-long learning skills including reading, understanding, and interpreting content specific materials in English, mathematics, and science. Students will learn important strategies including skimming, previewing, summarizing, interpreting, synthesizing, evaluating, and applying information through ongoing work with ACT tests. Students will take ACT practice assessments.

WORLD/FOREIGN LANGUAGES

Standard courses are designed for students who are enrolled in Standard English classes. Honors courses are designed for students who are enrolled in Honors English classes. Resource English students should delay taking a foreign language until 12th grade.

French I - Standard or Honors
1 Credit
This course is an introduction to the speaking, writing, and understanding of basic French. Emphasis will be placed on simple reading and writing.

French II - Standard or Honors
1 Credit
Prerequisite for Standard French II is French I Standard. Prerequisite for Honors French II is French I Honors.
In this course, the development of intermediate skills in speaking, writing, and understanding French is stressed. Emphasis is also placed on pronunciation, grammar, and an introduction to French culture.

French III - Honors
1 Credit
Prerequisite: French II Honors
This course includes conversation, advanced grammar, and composition. An emphasis is placed on history and culture and on an introduction to French literature.

French IV - Honors
1 Credit
Prerequisite: French III Honors
This is a continuation of French III. Literary works of major authors are included along with an in-depth study of French history and culture.

Spanish I - Standard or Honors
1 Credit
Spanish I is an introduction to the basic sound system, vocabulary, and grammar of Spanish. Emphasis is placed on oral response and understanding along with simple reading and writing. In addition, some attention is given to cultural topics related to Spanish-speaking countries and to Hispanics in the United States.

Spanish Heritage I
1 Credit
Spanish Heritage I provides instruction directed at a student’s continued development of existing competencies in the Spanish Language. Students will acquire skills that range from learning grammar and spelling, developing socialized vocabulary through the study of other disciplines, to interpretation and analysis of different literary genres. Students will also increase their awareness and appreciation of different Hispanic cultures. Student will compare and contrast language functions between Spanish and English and enhance their language skills in both languages. Spanish is used exclusively in the classroom.

Spanish II - Standard or Honors
1 Credit
Prerequisite for Standard Spanish II is Spanish I Standard. Prerequisite for Honors Spanish II is Spanish I Honors.
Spanish, in the second year, initially provides review and extension of the Spanish I curriculum. Then, it focuses on conversational vocabulary and grammatical formations that enhance communicative effectiveness. Some time is spent on various cultural concerns as well.

**Spanish Heritage II**  
1 Credit  
Prerequisite: Spanish Heritage I  
Spanish Heritage II is designed for students who already speak, read, and write well in Spanish, but need help with vocabulary, spelling (including diacritical marks) and writing for specific purposes. We will continue grammar overview begun in Spanish Heritage I. Throughout the course, students will be exposed to the various Hispanic cultures around the world, and short stories, poetry, and selections from novels by great Hispanic writers, past and present. *Spanish is used exclusively in the classroom.*

**Spanish III - Honors**  
1 Credit  
Prerequisite: Spanish II Honors  
This course focuses primarily on conversational Spanish, enabling its participants to communicate in situations and circumstances that are encountered often today in this ever-expanding Spanish speaking world. Current-events issues and other critical cultural information are addressed with some detail in the target language. This course is designed to be taken along with Spanish IV. It carries only honors-level credit for students who do not take Spanish IV.

**Spanish IV - Honors**  
1 Credit  
Prerequisite: Spanish III Honors  
This class in a continuation of topics discussed in Spanish III and will provide additional opportunities for students to experience the Spanish speaking world.

## MATHEMATICS

*Careful analysis of the academic ability of students who enter Gallatin High School is undertaken to ensure the proper placement of students in their academic courses. We use data from placement tests and standardized testing to accurately place students in Math courses in which they will be most successful.*

**Foundations II - Resource**  
Prerequisite: Teacher Approval  
This course is designed to prepare students for Algebra I. The students will cover skills with integers and one and two-step equations. The skills needed for the Gateway Algebra exam will be introduced.

**Algebra I A- Resource**  
Prerequisite: Teacher Approval  
Students will work on skills including factoring, integers, and variables. A graphing calculator will be heavily used.

**Algebra I B- Resource**  
Prerequisite: Teacher Approval  
Students will continue working on skills necessary to take and pass the Algebra 1 End of Course Test. A graphing calculator will be heavily used.

**Geometry A and B - Resource**  
Prerequisite: Teacher Approval  
This course incorporates the same core geometric concepts required in a standard geometry course but at a pace more appropriate for those students with special needs.

**Algebra I - Standard (A and B)**  
2 Credits (One Credit per Term; 1 Elective, 1 Required Math)  
Working with variables, solving algebraic equations, working with linear equations and inequalities, factoring, quadratic functions, and graphing concepts will be covered in this year-long course. Students must master the objectives covered on the state mandated Algebra Exam taken at the conclusion of the Algebra I-B course.

**Algebra I - Standard (Repeater)**  
1 Credit  
Open to Upperclassmen only  
Prerequisite: Algebra I B & Teacher Recommendation  
This course is designed to help students who have not successfully completed Algebra I. An Algebra I credit (A or B) is required prior to enrollment.
Algebra I - Honors
1 Credit
Prerequisite: Accelerated 8th grade math & Placement Test
Students enrolling in this course should have excellent arithmetic skills and a better-than-average understanding of all pre-algebra concepts covered in middle school. The course covers all of the objectives of Algebra I Standard and several more with a focus on critical thinking problems designed to extend the curriculum. Students will be required to complete more work outside of class at a much quicker pace and work extensively with graphing calculator technology. Students must master the objectives covered on the state mandated Algebra Exam taken at the conclusion of the course.

Algebra I - Advanced Honors (9th grade)
1 Credit
Prerequisite: Advanced level Math course in 8th grade & Placement Test
This course will go above and beyond Honors Algebra I with a strong focus on critical thinking and problem solving. Students will be required to complete more work outside of class including projects. The graphing calculator will be used extensively.

Geometry - Standard (A and B)
2 Credits (One Credit per Term; 1 Elective, 1 Required Math)
Prerequisite: Algebra I Standard (A and B)
This course is designed to develop and utilize critical thinking and reasoning skills in problem solving using geometric concepts, understanding proof, transformations, and spatial relationships in this year-long course. Students must master the objectives covered on the state mandated Geometry Exam taken at the conclusion of the Geometry B course.

Geometry - Standard
1 Credit
Prerequisite: Algebra I Standard
This course is designed to develop and utilize critical thinking and reasoning skills in problem solving using geometric concepts. Students must master the objectives covered on the state mandated Geometry Exam taken at the conclusion of the course.

Geometry - Honors
1 Credit
Prerequisite: Algebra I Honors & Teacher Recommendation
This course is designed to move at a quick pace with students who are college bound and plan to enter a field related to math or science. In-depth reasoning skills involving geometric principles will be required. Proofs will also be explored.

Geometry - Advanced Honors (10th grade)
1 Credit
Prerequisite: Algebra I Advanced Honors and Teacher Recommendation or Approval of Department Chair
[Students must earn at least a “B” in Algebra I Enriched or with Department Chair Approval]
This course is designed for 10th grade students who are preparing to take AP Calculus. Students enrolled in this course will be expected to do more independent study and critical thinking than is required in other math courses. Strong emphasis will be given to logical development of geometric concepts and rigorous proof.

Algebra II (A and B) - Standard
2 Credits (One Credit per term; 1 Elective, 1 Required Math)
Prerequisite: Algebra I Standard, Geometry Standard, & Teacher Recommendation
Algebra II is designed for students committed to entering some type of post high school academic program. Students will be expected to work many practice problems to ensure mastery. Key algebraic concepts will be explored and expanded. The use of graphing calculator technology is a vital part of this course.

Algebra II - Honors
1 Credit
Prerequisite: Algebra I Honors, Geometry Honors, & Teacher Recommendation
This course is designed for students pursuing a four-year education after high school. The use of graphing calculator technology is essential to this course. Key algebraic concepts will be explored and expanded in great detail. Students will be expected to complete more independent work. The pace of the class is swift. An end-of-course exam created by the State is mandated at the conclusion of the course.

Algebra II - Advanced Honors (11th grade)
1 Credit
Prerequisite: Geometry Advanced Honors (10th grade) & Teacher Recommendation
[Students must earn at least a “B” in Geometry Advanced Honors or with Department Chair Approval]
This course is designed for 11th grade students who are preparing to take AP Calculus. Students enrolled in this course will be expected to do more independent study and critical thinking than is required in other math courses. Functions, matrices, sequences, series, probability, and complex equation solving techniques will be given strong emphasis. The use of graphing calculator technology is of key importance in this course.
Precalculus - Advanced Honors (11th grade)
1 Credit
Prerequisite: Geometry Advanced Honors (10th grade), Algebra II Advanced Honors (11th grade), & Teacher Recommendation
[Open only to students who earn a “B” or higher in Algebra II Advanced Honors or with Department Chair Approval]
This course is designed for students who are preparing to take AP Calculus. Graphing calculator technology will be used to expand the curriculum to include more critical thinking and rigorous analysis of mathematical concepts. The course will move at a swift pace, and students will be expected to complete a great deal of independent work and study. Strong emphasis on application and graphical analysis will be used to build mathematical intuition as a tool to extend strategies to solve a variety of problems.

Precalculus - Standard
1 Credit
Prerequisite: Algebra I, Geometry, and Algebra II Standard Students must have a score of 19 or higher on the ACT or Teacher Recommendation
This course is designed for the student who plans to seek a four-year college education in a field that requires more than one college math course. A study of the applications, interrelationships, and terminology of mathematics will be emphasized. Students will utilize graphing calculator technology to improve critical thinking and reasoning abilities.

Precalculus - Honors
1 Credit
Prerequisite: Algebra I, Geometry, Algebra II (all Honors level), & Teacher Recommendation (ACT Math Score of 24 or more is recommended.)
This course is designed for the student who plans to seek a math or science related major as part of a four-year college education. An in-depth study of the applications, interrelationships, and terminology of mathematics will be emphasized. Students will work at a quick pace while utilizing graphing calculator technology to improve critical thinking and reasoning abilities.

Bridge Math - Standard
1 Credit
Prerequisite: Algebra I, Geometry, Algebra II
(Open to students who earn less than a 19 on the Math section of the ACT test)
This course is designed for students who need some preparation before taking college-level mathematics or entering the work force. This class may be used to complete the forth mathematics credit required for graduation. Key algebraic concepts will be explored.

Dual Enrollment - College Algebra
1 Credit
[Open to Juniors and Seniors who have completed Algebra 2 and have scored a 19 or better on the Math section of the ACT.]
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.

Dual Enrollment - Probability and Statistics - Honors
1 Credit (Dual Enrollment Course with Vol State)
Prerequisite: Algebra II Honors, Precalculus, or Calculus
[Open to students who earn at least a “C” in any of the prerequisite courses and meet the ACT requirements as mandated by Vol State]
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. Taught by a Vol State instructor.

Calculus - Honors (12th Grade)
1 Credit
Prerequisite: Precalculus Honors or Precalculus Advanced Honors and Teacher Recommendation
(Student must earn at least a “B” in Precalculus to enroll in this course)
This course is designed as an introductory Calculus course for students who intend to pursue a career in a Math/Science field at a 4-year university. The first half of the AP Calculus curriculum is covered in this course. It will cover the properties and theorems of limits, continuity, and derivatives. The pace of the course is very swift and while graphing calculators will be used extensively, students will also be responsible for mastering materials without the aid of a calculator. This course is mandatory for all students who intend to enroll in Calculus Advanced Placement.

Calculus - Advanced Placement
1 Credit
Open to Seniors
Prerequisite: Calculus Honors & Teacher Recommendation
[Students must earn at least a “B” in Calculus Honors to enroll in this course]
This course is the culmination of a four-year program designed to prepare the student for the Advanced Placement Calculus AB Examination. The content of this course complies with all objectives and regulations mandated by the College Board. It includes understanding the properties and theorems of limits, continuity, the derivative, the integral, approximation techniques, and understanding
and applying differentiation and integration. Students will be expected to use graphing calculator technology to investigate concepts at a deeper level. Students will also be expected to complete much more independent study and practice than in other math courses.

**SCIENCE**

*Careful analysis of the academic ability of students who enter Gallatin High School is undertaken to ensure the proper placement of students in their academic courses. We use data from placement tests and standardized testing to accurately place students in Science courses in which they will be most successful.*

**Physical Science - Resource**  
1 Credit  
*Open to Freshmen. Prerequisite: Teacher Approval*  
These courses are designed to provide science instruction for students who have special needs in this subject. The main theme of Physical Science is the study of matter and energy. This science fulfills one of the three laboratory science requirements needed for graduation.

**Physical Science - Standard**  
1 Credit  
*Open to Freshmen*  
The main theme of Physical Science is the study of matter and energy. This science fulfills one of the three laboratory science requirements needed for graduation. It is an introductory course for chemistry and physics.

**Physical Science - Honors**  
1 Credit  
*Open to Freshmen*  
The main theme of Physical Science is the study of matter and energy. This science fulfills one of the three laboratory science requirements needed for graduation. It is an introductory course for chemistry and physics.

**Physical World Concepts - Honors**  
1 Credit  
*Open to Freshmen who are placed in Advanced Honors Algebra I*  
This course is intended to introduce students to many of the main principles of physics while utilizing a less mathematical and more real-world approach to explain how everyday events occur. Students will be required to use some basics algebra, perform experiments, interpret data and use higher order thinking skills to apply the principles of physics to everyday phenomena. The core topics of study include motion, force, energy, matter, sound, electricity, magnetism, light, and the atom.

**STEM Agriscience**  
1 Credit  
*Open to Freshmen and Sophomores*  
This course is an introductory lab 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 serves in the 21st century. In addition, it serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster.

**Biology A and B - Resource**  
1 Credit  
*Open to Sophomores and Juniors. Prerequisite: Teacher Approval*  
These courses are designed to provide science instruction for students who have special needs in this subject. This course will focus on the six Tennessee Biology Standards: 1) Cells; 2) Interactions; 3) Photosynthesis and Respiration; 4) Genetics and Biotechnology; 5) Diversity; 6) Biological Evolution. A state mandated examination will be given at the end of this course.

**Biology I - Standard**  
1 Credit  
*Open to Sophomores*  
This course will focus on the six Tennessee Biology Standards: 1) Cells; 2) Interactions; 3) Photosynthesis and Respiration; 4) Genetics and Biotechnology; 5) Diversity; 6) Biological Evolution. A state mandated examination will be given at the end of this course.

**Biology I - Honors**  
1 Credit  
*Open to Sophomores*  
This course will focus on the six Tennessee Biology Standards: 1) Cells; 2) Interactions; 3) Photosynthesis and Respiration; 4) Genetics and Biotechnology; 5) Diversity; 6) Biological Evolution. A state mandated examination will be given at the end of this course. This class will require more independent study, projects, and laboratory skills than standard-level Biology.
Biology I - Advanced Honors
1 Credit
Open to Sophomores are placed in Advanced Honors Geometry and completed Physical World Concepts Honors
This course will focus on the six Tennessee Biology Standards: 1) Cells; 2) Interactions; 3) Photosynthesis and Respiration; 4) Genetics and Biotechnology; 5) Diversity; 6) Biological Evolution. A state mandated examination will be given at the end of this course. This class will require more independent study, projects, and laboratory skills than standard-level Biology. This course helps prepare students for the rigor of Advanced Placement Biology.

Biology - Advanced Placement
2 Credits (One Credit per Term)
Prerequisites: Advanced Honors/Honors Biology I and Honors Chemistry with Departmental Approval
The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course. This course differs significantly from the Biology I course with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done, and the time and effort required of students. The class can be divided into three general areas: 1) Molecules and Cells - 25%; 2) Heredity - 25%; 3) Organisms and Populations - 50%. Students will be expected to take the Advanced Placement Examination upon completion.

Human Anatomy & Physiology - Honors
1 Credit
Prerequisite: Completion of Honors Biology I and are currently enrolled in or have completed Standard or Honors Chemistry.
In this course students identify the structures of the human body and learn how these structures function together. In-depth laboratory study of the human body systems will be emphasized. Human Physiology is designed to meet the needs of students who are interested in any area of medicine or who want to become more informed about the workings of the human body.

Chemistry I - Standard
1 Credit
Prerequisite: Enrolled in or have completed Standard Algebra II
This is an introductory course in chemistry for students who have little background for Chemistry. This branch of physical science deals with matter, energy, and their interactions. This course is not designed for students who plan to major or minor in physics, chemistry, mathematics, engineering, or medicine.

Chemistry I - Honors
1 Credit
Prerequisite: Enrolled in or have completed Honors Algebra II
This is an introductory course in chemistry for students who anticipate attending college. This branch of physical science deals with matter, energy, and their interaction. Physical and chemical properties of matter will be studied through laboratory investigation.

Chemistry II - Honors Lab
1 Credit
Prerequisite: Chemistry I - Honors with a grade of C or better or Chemistry I - Standard & Teacher Recommendation
Students who have any indication that they will be taking chemistry in college (medicine, engineering, agriculture) need to consider taking this course. Chemistry II involves extensive laboratory investigations from the making of aspirin and artificial odors to the identification of unknowns.

Physics - Standard
1 Credit
Physics is the study of “what makes things tick” and why. Physics is the study of matter, motion, and energy. Demonstrations and laboratory exercises are an integral component of the course. This course is for students who want to improve in mathematics and problem-solving skills. This course will be beneficial to students who seek a university or vocational (ex. electricians, HVAC technician, auto mechanic, etc.) path for their education and career.

Physics- Honors
1 Credit
Physics is the study of “what makes things tick” and why. It begins with the description of force and motion and uses mathematics to describe and predict the course of many physical events. Demonstrations and laboratory exercises are an integral component of the course. This course will be beneficial to students who seek a university path for their education.

Physics- Advanced Placement (NEW COURSE FOR 2018-19)
1 Credit
Prerequisite: Algebra II (Upper Level) & Teacher Approval
AP Physics 1 is an algebra-based course with a focus on the big ideas typically included in the first and second semesters of an algebra-based, introductory college-level physics sequence. The course provides students with enduring understanding to support future advanced course work in the sciences. Through inquiry-based learning, students will develop critical
thinking and reasoning skills. Students will cultivate their understanding of physics and science practices as they explore the following topics: Kinematics; Dynamics: Newton’s laws; circular motion and universal law of gravitation; simple harmonic motion: simple pendulum and mass-spring system; Impulse, linear momentum, and conservation of linear momentum and collisions; Work, energy, and conservation of energy; Rotational motion: torque, rotational kinematics and energy, rotational dynamics, and conservation of angular momentum; Electrostatics: electric charge and electric force; DC circuits: resistors only; Mechanical waves and sound.

**SOCIAL STUDIES**

*Students who select honors or advanced honors level social studies courses must also be enrolled in honors, advanced honors, or AP level English classes or have a teacher’s recommendation.*

**World History & Geography Resource**
1 Credit  
Prerequisite: Teacher Approval  
This course is designed to provide World History & Geography instruction for students who have special needs in this subject.

**World History - Standard and Honors**
1 Credit  
Open to Freshmen  
The objective of this course is to help the student learn about the historical background of civilization so that each student may become a more knowledgeable and productive citizen of our democratic republic. The rise of modern nations during the Age of Revolutions and concludes with studies focused on the changing world of the 21st century.

**World History - Advanced Honors**
1 Credit  
Open to Freshmen  
This course will go above and beyond Honors World History with a strong focus on critical thinking and writing skills. Students will be prepared for Advanced Placement courses during Sophomore, Junior, and Senior years by taking this academic path.

**European History - Advanced Placement**
1 Credit (Course is offered in conjunction with Advanced Honors English II)  
Open to Sophomores, Juniors & Seniors (with approval of instructor)  
This course studies the large-scale social, economic, and political forces that shaped the character of European society from the Renaissance until the present. (Some attention will be given to the recovery from the damage which resulted from the fall of the Roman Empire and the developments of the Middle Ages which shaped the modern era.) Content includes the analysis of population, migrations, social and class structure, the role of women and children, and working conditions as well as the emergence of mass social and revolutionary movements. Preparation for the Advanced Placement Examination is the central objective for the course. Students will be expected to take the Advanced Placement Examination upon completion of this course.

**U. S. History - Resource**
1 Credit  
Prerequisite: Teacher Approval  
This course is designed to provide American History instruction for students who have special needs in this subject.

**U. S. History - Standard**
1 Credit  
Open to Juniors & Seniors  
This inclusive survey course will emphasize the events of the 20th Century and their impact on current events. The political, military, and social trends of the last 100 years will be examined as will the personalities of the era.

**U. S. History - Honors**
1 Credit  
Open to Juniors & Seniors  
Prerequisite: An A or B in Honors World History & teacher recommendation  
The aforementioned material will also apply to honors classes with the following additions:  
1. Outside work such as reports (written and oral).  
2. Independent study of topics selected by the student after conferring with the instructor.  
3. Individual study or group study on topics pertaining to either current events or continuing “threads” (trends) in our nation’s history.
U. S. History - Advanced Placement
1 Credit (Course is offered in conjunction with Advanced Placement English III)
Open to Juniors and Seniors. Prerequisite: Teacher Approval
This course is designed to provide students with both actual information about American history and the interpretative and analytical skills necessary to assess historical documents and other materials. Emphasis will be placed on writing and research. Standards for admission must be met. Students will be expected to take the Advanced Placement Examination upon completion of this course.

US Government and Civics & Economics- Resource
1 Credit (two 1/2 credits)
Prerequisite: Teacher Approval
This course is designed to provide instruction in American Government and Economics for students who have special needs in this subject.

US Government & Civics - Standard
1/2 Credit
Open to Juniors and Seniors. Prerequisite: U.S. History
This course will focus on the principles of America's government and economic system. The U.S. Constitution, the three branches of government, due process, and state and local government will be emphasized in the government class.

Economics - Standard
1/2 Credit
Open to Juniors and Seniors. Prerequisite: U.S. History
Economics will focus on the basic principles of supply and demand, the free market system, and the macroeconomic concepts of unemployment and inflation as well as basic financial skills.

US Government & Civics - Honors
1/2 Credit
Open to Juniors and Seniors. Prerequisite: U.S. History
This honors level course will focus on the principles of America's government and economic system. The U.S. Constitution, the three branches of government, due process, and state and local government will be emphasized in the government class.

Economics - Honors
1/2 credits
Open to Juniors and Seniors. Prerequisite: U.S. History
Economics will focus on the basic principles of supply and demand, the free market system, and the macroeconomic concepts of unemployment and inflation as well as basic financial skills.

US Government & Politics - Advanced Placement
1 Credit
Open to Juniors and Seniors. Prerequisite: Teacher Approval
This course will provide students with an analytical perspective on government and politics in the United States. It includes the study of general concepts and analysis of specific examples. Students will become acquainted with the variety of theoretical perspectives and explanation for various behaviors and outcomes. Students will be expected to take the Advanced Placement Examination upon completion of this course.

Contemporary Issues
1/2 - 1 Credit
Open to Juniors & Seniors
The scope of this course will include local, national, and global topics such as politics, international relations, science, medicine, technology, and social issues of current interest. Various media sources and guest speakers will be regularly used. Debate and discussion will be components of the course, and students will be expected to contribute in a meaningful way to enhance course topics.

Personal Finance - Standard
1/2 Credit
Open to Seniors
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.

Psychology - Standard
1 Credit (Elective Course Only)
Open to Juniors & Seniors
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.
African American History - Standard
1 Credit (Elective Course Only)
Open to Sophomores, Juniors, & Seniors
Students will examine the life and contributions of African Americans from the early 1600’s through modern America. Students will explore the influence of geography on slavery and the growth of slavery on the American continent. Students will consider urban and rural African American communities and institutions in the North and South leading up to and during the Civil War. Students will investigate the rise and effects of Jim Crow and trace the impact of African American migration through the early twentieth century. Students will explore the impact of the Harlem Renaissance and the conditions and contributions of African Americans during the Great Depression and World War II. Students will examine the successes and failures of the Civil Rights Movement and consider the contemporary issues confronting African Americans.

African American History - Honors
1 Credit (Elective Course Only)
Open to Sophomores, Juniors & Seniors
This Honors level course will examine the life and contributions of African Americans from the early 1600’s through modern America. Students will explore the influence of geography on slavery and the growth of slavery on the American continent. Students will consider urban and rural African American communities and institutions in the North and South leading up to and during the Civil War. Students will investigate the rise and effects of Jim Crow and trace the impact of African American migration through the early twentieth century. Students will explore the impact of the Harlem Renaissance and the conditions and contributions of African Americans during the Great Depression and World War II. Students will examine the successes and failures of the Civil Rights Movement and consider the contemporary issues confronting African Americans.

Psychology - Dual Enrollment
1 Credit for high school and 3 college credit hours (VSCC)
Open to Juniors & Seniors with an ACT score of 19 on both English & Reading
This course is designed to provide an overview of the field of psychology and human behavior. The topics of philosophy, history, biology, learning, personality, abnormal behavior, treatment, applied memory, intelligence, motivation, consciousness, perception, and sensory are included.

Western Civilizations I - Dual Enrollment
1 Credit for high school and 3 college credit hours (VSCC)
Open to Juniors & Seniors with an ACT score of 19 on both English & Reading
A study of the emergence and development of civilizations in Europe, Asia, Africa, and America using the universal culture pattern. An analysis and comparison of economic, social, political, intellectual, religious, and aesthetic characteristics of civilizations will be emphasized.

Western Civilizations II - Dual Enrollment
1 Credit for high school and 3 college credit hours (VSCC)
Open to Juniors & Seniors with an ACT score of 19 on both English & Reading
A study of modern Asia, Africa, America, Australia, and Europe utilizing the universal culture pattern such as the interaction of economic, social, political, intellectual, religious, and aesthetic factors in the development of a world history.

WELLNESS & PHYSICAL EDUCATION

Wellness
1 Credit
Required for all Freshmen
This course provides an integrated curriculum of physical education, health, and nutrition. The emphasis throughout will be on activities and information for sustaining lifelong wellness.

Physical Education
½ to 1 Credit
Open to Sophomores, Juniors, and Seniors
The numerous activities will include golf, racquetball, bowling, tennis, weight training, aerobics, table tennis, competitive volleyball, running, and walking. These activities provide carryover and intrinsic values for leisure time participation in lifetime activities. A fee may be required.

Physical Education (Aerobics)
½ to 1 Credit
Open to Sophomores, Juniors, and Seniors
Aerobics PE involves activities that promote aerobic well-being. Diverse types of aerobic activity will be the focus and students will learn about the benefits of such activities.
A special section of Physical Education devoted to Dance is also offered each year and can count as a Fine Art credit.

Dance
1 Credit
Open to Sophomores, Juniors, and Seniors with a minimum of a B in Wellness and approval signature of Dance Teacher.
This course will include history of dance including the introduction to basic steps of ballet; country line dancing; Latin styles; steppin’; artists and dances relevant to eras from the 1940’s to the present. Students enrolled must participate in the Talent Show. A fee may be required.

Athletic Facilities Maintenance
1 Credit
Open to Sophomores, Juniors, and Seniors with a minimum of a B in Wellness and approval signature of Wellness/Physical Education Department Head.
This course will include the study and application of general practices necessary to maintain and operate standard athletic facilities. Course content is designed to foster skills and understanding that are essential in court, field, and facility maintenance, set-up, and use; training facilities planning and efficiency; locker room maintenance and procedures; and competition technology. Focus will be on the procedures necessary to set-up for single game events, athletic seasons, and long-term maintenance.

Basic Weight Training and Conditioning
1 Credit
Open to Sophomores, Juniors, and Seniors with at least a B in Wellness
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.

Advanced Weight Training and Conditioning
1 Credit
Prerequisite: Basic Weight Training or Teacher Approval
This course is designed for students and athletes with basic weight training skills to enhance their knowledge and fitness level. Each student will develop and understand training techniques designed to create an individual workout program specific to their needs.

NAVY JROTC
The Navy Junior Reserve Officers Training Corps (NJROTC) is a four-year program cosponsored by the school’s district and the US Navy. The NJROTC program provides students the opportunity to become informed and responsible citizens, develop leadership and self-discipline skills and become involved in their school and community. The NJROTC is a coeducational program and include extracurricular activities. After-school activities are voluntary. There is no military obligation associated with or incurred by being in the NJROTC program

Naval Science I
Open
This course introduces students to the precepts of citizenship, the basic elements of leadership and the value of scholarship in attaining life goals. Students learn about military drill and ceremonies; the importance of a healthy life style, including physical fitness, a proper diet, and controlling stress; drug awareness; the principles of health and first aid; geography and survival skills; and Navy ships and aircraft.

Naval Science II
Prerequisite: Naval Science I or equivalent or Senior Naval Science Instructor approval.
This course provides students with an overview of the role sea power has played in the world from early civilization to the present, and an appreciation of US naval history and heritage from the American Revolution to now. Course content also includes principles of effective leadership, and the importance of discipline. Students develop teamwork through military drill.

Naval Science III
Prerequisite: Naval Science II or equivalent or Senior Naval Science Instructor approval.
This course develops students’ understanding of the importance of sea power and national security, naval operations and support functions, military law, and international law of the sea. Content also include basic seamanship, nautical rules of the road, marine navigation and naval weapons and aircraft.

Naval Science IV
Prerequisite: Naval Science II or equivalent or Senior Naval Science Instructor approval.
This course builds on the basic qualities of a good follower and an effective leader provided in earlier Naval Science courses. Students are provided an in-depth look at the qualities of an outstanding leader and shown how to maximize their leadership skills. Positive, effective communication skills are practiced and reinforced. Students are put in positions of increased responsibility and leadership. Students demonstrate the ability to lead a group of individuals in various military drills.
Naval Science IV Select Marksmanship Training
Prerequisite: Naval Science 1 or Senior Naval Science Instructor Approval.

Three-Position (3P) Air Rifle is the most popular form of shooting sports competition for youth of high school age. 3P Air Rifle is based on the Olympic and international three-position rifle events. Cadets learn the basic techniques of marksmanship and compete against local schools as well as at the state and national levels. Students use .177” caliber air rifles, in prone, standing and kneeling positions on a 10-meter course.  Content includes history, safety, equipment, and techniques of the sport.

Naval Science IV Select Military Drill
Prerequisite: Naval Science 1 or Senior Naval Science Instructor Approval.

Students are instructed in the proper execution of basic and precision military drill. Teams include Armed (with dummy drill rifles), Unarmed and Military Color Guard. Students must possess good leadership, followership and athletic abilities, and be able to perform military style marching. Students will be afforded opportunities to compete against other schools in local drill meets, to compete at the national level and to represent the NJROTC Unit at parades and other functions.

FINE ARTS

Art I
1 Credit
Open to Freshmen, Sophomores & Juniors
This course introduces the student to a survey program covering a wide variety of experiences in several art areas. The program includes basic art instruction in both two dimensional and three-dimensional areas. Some of the areas to be covered are: drawing, painting, graphics, design, crafts, ceramics, and sculpture.

Art II
1 Credit each term
Prerequisite: B or better in Art I and Teacher Approval
The Art II course expands on the art experiences introduced in the Art I class. This course offers continued study and studio experience in varied media with more importance being placed on the esthetic appreciation and critical aspects of the student’s work.

Art III
1 Credit each term
Prerequisite: B or better in Art II and Teacher Approval
This course further expands the student’s knowledge and understanding of various art media and styles. The media and subject matter is selected by the teacher and is determined by the development and experience of each group of students. Opportunity for independent study is offered through individual projects chosen by the student and presented to the class at selected intervals. Emphasis is placed on the critical and appreciative aspects of the art experience.

Band
2 Credits (Meets both terms)
Prerequisite: Audition
This is a special music class for students who have previously received instrumental music training. Students who elect to register for band will receive training and instruction in the following areas: marching band, concert band stage band (jazz ensembles; pit orchestra), ensemble, and solo playing. The more capable students may qualify to participate in the All-Middle Tennessee Band, All-State Band and Orchestra, and various instrumental music clinics. The two functions of the band are:

1. To provide interested students a program of music education.
2. To provide music for school, civic, and service-related activities.

Color Guard
1 Credit (Fall Only)
Audition only All Color Guard members will participate in all rehearsals during and after school as well as performances with the Pride of the Green Wave Marching Band. Performances include football games, competitions and parades. Students will learn the fundamentals of maneuvering with a flag and rifle while performing marching drill during the competitive marching band show. All after school rehearsals and weekend performances are required.

Select Chorus
1-2 Credit
(Can take 1 or both terms) Open
The fundamentals of choral music will be taught in this class. The student will learn to read and understand musical notation by singing. Proper singing techniques will be emphasized. Students will participate in group performances during the concert seasons and will be encouraged to audition for the Ladies Ensemble or for the Performers Chorus.
Ladies Ensemble
2 Credits (Meets both terms)
Audition Only
Open to Sophomores, Juniors, and Seniors
The students in this organization are chosen by audition. The art of choral singing and the study of voice will be emphasized.

Performers Chorus
2 Credits (Meets both terms)
Audition Only
Open to Sophomores, Juniors, and Seniors
This is the top vocal music ensemble at GHS. Literature from several periods of music history will be sung, and emphasis will be placed on public performances as a culmination of class work. A two or three-day tour will be planned for the spring semester. Emphasis will be placed on performing for school, civic, and business organizations. Extra time beyond the regular school day will be required for practices and rehearsals.

Music History- Standard
1 Credit
Open to Sophomores, Juniors, & Seniors
This course is designed for the student who wishes to learn about music in a nonperformance oriented class. Previous musical training is helpful but not required. Basic music notation and theory, as it applies to historical music, will be introduced. Music of the Middle Ages, Renaissance, Baroque, Classical, Romantic, and Modern Eras will be studied in relation to its social, economic, political, cultural, and philosophical backgrounds. The major composers of each period will be discussed, and representative works of each will be analyzed. The historical significance of black music will be studied. Grading will be based on the student’s ability to discuss and aurally recognize music of different composers and eras.

Dance
1 Credit
Open to Sophomores, Juniors, and Seniors with a minimum of a B in Wellness and approval signature of Dance Teacher.
This course will include history of dance including the introduction to basic steps of ballet; country line dancing; Latin styles; steppin'; artists and dances relevant to eras from the 1940’s to the present. Students enrolled must participate in the Talent Show. A fee may be required.

Theatre Arts I
1 Credit
Open
This is an introductory course in theatre appreciation. Course work includes the study of theatre terminology, creative dramatics, improvisation, pantomime, dramatic structure, theatre history, and basic acting. This course fulfills the fine arts credit necessary for graduation.

Theatre Arts II - Stagecraft
1 Credit
Open to students with at least a B Average in Theatre Arts I & Teacher Approval
This course focuses on exploration of advanced topics in play production. Students will study design elements and fulfill technical positions in dramatic productions. Study includes set design and construction, lighting and sound design, make-up, costume design, publicity, and box office management. Participation in play production is mandatory.

Theatre Arts II - Acting
1 Credit
Open to students with at least a B Average in Theatre Arts I & Audition
This selective course is designed to provide performance opportunities for students interested in sharpening acting ability. Study includes acting theories and techniques from different genres. Participation in play production is mandatory.

Theatre Arts - Performers
1 Credit
Prerequisite: Completion of Theatre Arts I, II & Audition
Performers is a select group of students interested in refining their acting skills and performance ability at an advanced level. Emphasis will be placed on artistic growth through the use of reading and reflection in personal journals. Audition techniques, the physical and mental techniques of self-discipline, and other professional concerns will be stressed. Participation in play production is mandatory.
Principles of Machining I
1 Credit
Open to Freshmen, Sophomores, & Juniors

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. 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.

Principles of Machining II
1 Credit
Open to Sophomores, Juniors, & Seniors

Principles of Machining II is an advanced level contextual course that builds on the introductory skills learned in the entry-level manufacturing and machining courses, stressing the concepts and practices in a production environment supported by advanced machining and engineering facilities. Working with the course instructor and team members in a cooperative learning environment, students will design, produce, and maintain products that are defined by detailed technical specifications. Emphasis is placed on quality control, safety and engineering codes and standards, and production-grade machining systems, building on the learner’s past knowledge, current experiences, and future conduct as a career machinist. Upon completion of this course, proficient students will be able to examine blueprints and specification drawings to plan and implement the manufacture of products, machine parts to specifications using both manual and computer controlled machine tools, and measure, examine, and test completed products to check for defects and conformance to specifications.

Principles of Manufacturing
Prerequisite: Algebra I and Teacher Approval
1 Credit
Open to Sophomores, Juniors, and Seniors

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, Electromechanical Technology, Mechatronics, and Welding. In order 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. Proficient students will advance from this course with a nuanced understanding of how manufacturing combines design and engineering, materials science, process technology, and quality.

Manufacturing Practicum
1 Credit
Open to Juniors and Seniors

Manufacturing Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Advanced Manufacturing courses within a professional, working environment. While continuing to add to their technical skillsets, students in this course assume increasing responsibility for overseeing manufacturing processes and managing complex projects. Specifically, proficient students will be able to work in teams to plan the production of a sophisticated product; develop troubleshooting and problem-solving mechanisms to ensure that projects run smoothly; analyze output and compile professional reports; and connect practicum activities to career and postsecondary opportunities. For all projects undertaken in this course, students are expected to follow the focus area in Machining Technology while also refining skills previously acquired to achieve deeper levels of mastery.

Machine Tool Technology - Dual Enrollment
1 Credit
Open to Juniors and Seniors

The mission of the Machine Tool Technology program is to provide the opportunity to build the knowledge, skills and attitudes that are essential for successful entry-level employment in the machining field through technical instruction and training. The exciting field of
machine tool technology provides the opportunity for crafting metal through the use of knowledge and hands-on experience. A high degree of mechanical aptitude and a desire to learn makes this career an excellent choice. NIMS Certification is available in different areas.

**AGRICULTURE, FOOD, & NATURAL RESOURCES**

| Programs of Study (POS) in this area and the associated courses include: |
| POS: Horticulture Classes include: |
| • Agriscience |
| • Landscaping and Turf Science |
| • Greenhouse Management |
| POS: Veterinary & Animal Science classes include: |
| • Agriscience |
| • Small Animal Science |
| • Large Animal Science |
| • Veterinary Science |
| POS: Agribusiness Classes include: |
| • Agriscience |
| • Organizational Leadership & Communication |
| • Agricultural Business & Finance |
| POS: Ag Engineering & Applied Technologies Classes include: |
| • Agriscience |
| • Principles of Ag Mechanics |
| • Agricultural Power and Equipment |

**Agriscience**

1 Credit
Open to Freshmen, Sophomores, and Juniors
Agriscience is an introductory lab science course that prepares students for biology and subsequent agriculture courses. This course helps students understand the important role that agricultural science and technology serves in the 21st century. In addition, it serves as the first course for all programs of study in the Agriculture department.

**Agriscience - Honors**

1 Credit
Open to Freshmen and Sophomores
Agriscience is an introductory level course that consists of standards to prepare students for biology and subsequent sciences. The content area covers ecology, biological processes, sexual and asexual reproduction, and a study of the chemical and physical laws that govern life. This course helps students understand the important role science serves as the agricultural industry advances to meet the challenges of the 21st century. In addition, it serves as the first course for all programs of study in the Agriculture department. **“Science Credit”**

**Small Animal Science**

1 Credit
Open to Sophomores, Juniors, and Seniors
Prerequisite: Agriscience
Small Animal Science focuses on small, or companion, animals such as dogs and cats. Small Animal Science also contains objectives to prepare students for careers in managing and caring for specialty and companion animals. This course covers anatomy and physiological systems of different groups of small animals, as well as careers, leadership, and history of the industry.

**Large Animal Science**

1 Credit
Open to Sophomores, Juniors and Seniors
Prerequisite: Agriscience
Large Animal Science is designed to develop basic understanding of handling, health, maintenance, reproduction, selection and management of different livestock species such as cattle, horses, goats, and chickens. This course covers anatomy and physiological systems of different groups of livestock, as well as careers, leadership, and history of the industry.

Veterinary Science
1 Credit
Open to Juniors and Seniors.
Prerequisites: Agriscience, Small Animal Science, AND Large Animal Science
Veterinary Science is an advanced course in 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 principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and additional industry-related career and leadership knowledge and skills. *Science Credit**

Veterinary Science Clinical Internship
1 Credit
Open to Seniors.
Prerequisites: Agriscience, Small Animal Science, Large Animal Science, AND Vet Science
Students may choose to complete a clinical internship after completing Agriscience, Small Animal Science, Large Animal Science, AND Veterinary Science. The internships will be at a veterinary clinic facility.

Agricultural Mechanics
1 Credit
Open to Sophomores, Juniors, and Seniors
Prerequisite: Agriscience
Agricultural Mechanics is a course introducing students to basic skills and knowledge in construction and land management for both rural and urban environments. This course covers topics including welding, basic engine and motor mechanics, land surveying, plumbing, agricultural structures, and basic metalworking techniques. This course is offered in a rotation.

Natural Resources Management
1 Credit
Open to Sophomore, Juniors, and Seniors
Prerequisite: Agriscience
Natural Resources is for students interested in learning more about becoming good stewards of our environment and natural resources. Careers in this area include an environmental scientist, conservationist, forester, or wildlife manager. This course covers major types of natural resources and their management, public policy, as well as careers, leadership, and history of the industry. This course is offered in a rotation.

Leadership Development
1 Credit
Open to Juniors and Seniors
Prerequisite: Agriscience
Leadership Development is a course for students interested in learning more about the attributes and skills of successful leaders in the Agriculture industry. This course covers behavior, management, communication, and leadership topics. Students in this course participate in activities that will assist them in the development of interpersonal skills related to verbal and nonverbal communication and influence. *Optional Dual Credit*

Agribusiness
1 Credit
Open to Juniors and Seniors
Prerequisite: Agriscience
Agribusiness is an applied knowledge course that addresses the economic and business principles necessary to operate a successful agribusiness. The course covers a wide range of topics in business, finance, economics, and management. Students will learn to apply the principles drawn from these topics toward activities that support their own business aspirations in the agriculture industry. *Personal Finance Credit*

Greenhouse Management
1 Credit
Open to Sophomore, Juniors, and Seniors
Prerequisite: Agriscience
Greenhouse Management is 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. It provides students with the technical knowledge and skills needed to prepare for further education and careers in horticulture production.
Agricultural Engineering
1 Credit
Open to Sophomores, Juniors, and Seniors.  
Prerequisite: Agriscience
Agricultural Engineering is a course that prepares students for further study or careers in engineering, agricultural design and research, and agricultural mechanics. This course is offered in a rotation.

Agricultural Power and Equipment
1 Credit
Open to Sophomore, Juniors, and Seniors
Prerequisite: Agriscience
Agricultural Power and Equipment emphasizes laboratory activities involving small engines and other agricultural equipment. Students learn about diagnosing mechanical problems and failures involving small engines and how to repair them, types of agricultural machinery and their operation, and precision surveying.

Landscaping and Turf Science
1 Credit
Open to Sophomores, Juniors, and Seniors.  
Prerequisite: Agriscience
Landscaping and Turf Science is designed to prepare students to work in the landscaping industry. Students will cover content areas of site analysis and planning, principles of design, and plant selection and care techniques. This course provides students with the technical knowledge and skills needed to prepare for a further education and careers in landscape production.

ARCHITECT & CONSTRUCTION

| Programs of Study (POS) in this area and the associated courses include:
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>POS: Architectural &amp; Engineering Design (Formerly CAD) Classes include:</td>
</tr>
<tr>
<td>• Architectural &amp; Engineering Design I, II</td>
</tr>
<tr>
<td>• AP Calculus and/or AP Physics</td>
</tr>
</tbody>
</table>

Architectural & Engineering Design I (Formerly CAD I)
1 Credit
Concurrent or past enrollment in Algebra I is required
Architectural & Engineering Design I is a foundational course in the Architecture & Construction cluster for students interested in a variety of engineering and design professions. Upon completion of this course, proficient students will be able to create technical drawings of increasing complexity, and utilize these skills to complete the design process and communicate project outcomes. Students will build foundational skills in freehand sketching, fundamental technical drawing, and related measurement and math. Standards in this course also include career exploration within the technical design industry, as well as an overview of the history and impact of architecture and engineering. In addition, students will begin compiling artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study.

Architectural & Engineering Design II (Formerly CAD II)
1 Credit
Prerequisite: Architectural & Engineering Design I (or CAD I) & Geometry
Architectural & Engineering Design II is the second course in the Architectural & Engineering Design program of study. Students in this course build their skills in developing and representing design ideas using technical drawing and modeling techniques, and apply the design process to solve design problems. Upon completion of this course, proficient students will be able to use computer-aided drafting (CAD) software to create multi-view, sectional view, auxiliary view, and three-dimensional drawings using industry standard dimensioning and notation. Students will connect drawings with actual physical layouts by building models based on drawings, creating drawings based on objects and other physical layouts, and using software to create basic three-dimensional models. In addition, students will continue compiling artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study.
ARTS, AUDIO/VISUAL TECHNOLOGY & COMMUNICATION

Programs of Study (POS) in this area and the associated courses include:

POS: Design Arts & Design Classes include:
- Digital Arts & Design I, II, and III

Digital Arts and Design I
1 Credit
Open to Freshmen, Sophomores, Juniors
Digital Arts and Design I is a course that provides a foundation in visual communication concepts and design strategies. Course content is designed to foster skills and understanding that are essential in modern digital graphics, motion graphics, publishing, Web, film/video, photography, and animation graphic industries. Focus will be on developing understanding of key design concepts and strategies, along with design challenges that translate into creative communication solutions which accurately and effectively reach targeted audiences. Along with study of design principles, conceptualization processes and techniques, students will explore various applications of design through extensive study of typography, style, composition, visual elements, color, creative technical software and various problem-solving tasks, that encourages higher order thinking. Exploration of career opportunities, development of leadership, teamwork, collaborative and technical skills requisite in many aspects of life.

Digital Arts and Design II
1 Credit per term
Prerequisite: Digital Arts and Design I.
Digital Arts and Design II is a course that builds on the foundational core elements of visual communication concepts and design strategies, learned in (Digital Arts and Design I) Course content is designed to reinforce skills and support understanding that are essential in modern digital graphics, motion graphics, publishing, Web, film/video, photography, and animation graphic industries. Focus will be on developing understanding of key design concepts and strategies, along with design challenges that translate into creative communication solutions which accurately and effectively communicate. Along with continued study of design principles, conceptualization processes and techniques, students will gain mastery of various applications of design through continued study of typography, style, composition, visual elements, color, creative technical software and more focused problem-solving tasks, that encourages higher order thinking. Exploration of career opportunities, development of leadership, teamwork, collaborative and technical skills requisite in many aspects of life and industry which are creative and multi-faceted will be developed. Course content is also related to other pathways.

Digital Arts and Design III
1 Credit
Prerequisite: Digital Arts and Design I and II.
Digital Arts & Design III is the third course in the Digital Arts & Design program of study. Applying design skills developed in prior courses, students will expand their creative and critical thinking skills to create comprehensive multimedia projects and three-dimensional designs. Upon completion of this course, proficient students will be able to use industry-standard software to create multimedia projects, web pages, three-dimensional models, and animations. Students will utilize research techniques to plan and enhance project outcomes. Standards in this course also include professionalism and ethics, career exploration, and business and project management. In addition, students will continue compiling artifacts for inclusion in a digital portfolio, which they will carry with them throughout the full sequence of courses in this program of study.
All students in Business Education classes are encouraged to participate in the Future Business Leaders of America student organization to further gain competencies, which will enhance their abilities in civic, social, and professional activities.

**Programs of Study (POS) in this area and the associated courses include:**

**POS: Business Management**
- Intro. To Business & Marketing
- Business Communications
- Business Management

**POS: Office Management**
- Computer Applications
- Advanced Computer Applications
- Business Communications
- Business Management

---

**Introduction to Business and Marketing**
1 Credit
Open to Freshmen and Sophomores

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.

**Computer Applications**
1 Credit
Open

Computer Applications is a foundational course intended to teach students the computing fundamentals and concepts involved in the proficient use of common application software. 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. (Lab fee)

**Advanced Computer Applications**
1 Credit
Prerequisite: Computer Applications

This is a capstone course in which students will learn necessary skills in problem solving using current and emerging integrated technology to include a variety of input technologies in the production of professional quality business documents and presentations. The course focuses on student choice, accountability, and performance. Students increase their employability by working toward the attainment of high-level skills in the areas of integrated software applications, communication skills, ethical issues, human relations, leadership, self-management, and workplace management.

**Business Communication** 1 Credit
Prerequisite: Computer Applications
Open to Sophomores, Juniors, & Seniors

Business Communications is a course that prepares students for oral and electronic business communications in the 21st century including social media as well as developing skills in electronic publishing, design, layout, composition, and video conferencing. Emphasis will be placed on social media, design and digital communications. Students will review and practice successful styles and methods for professional business communications using the proper tools to deliver effective publications and presentations.

**Business Management** 1 Credit
Prerequisite: Intro to Business & Marketing
Open to Juniors and Seniors

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, will present recommendations to improve an existing business. Local business partnerships are encouraged to provide resources for faculty and students. Proficient students will be able to complete a full review of an existing business and offer recommendations for improvement as would a management consultant.

**COMPUTER SCIENCE FOUNDATIONS**

Computer Science Foundations (NEW COURSE for 2018-19)
1 Credit
Open
(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.

**FINANCE**

Programs of Study (POS) in this area and the associated courses include:

POS: Accounting Classes include:
- **Intro. To Business & Marketing**
- **Accounting I**
- **Accounting II**

POS: Banking and Finance Classes include:
- **Intro. To Business & Marketing**
- **Accounting I**
- **Banking & Finance**

Introduction to Business and Marketing
1 Credit
Open to Freshmen and Sophomores
*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.

Accounting I
1 Credit
Open to Sophomores, Juniors, & Seniors
Prerequisite: Computer Applications
*Microsoft Office* This course provides a study of the complete accounting cycle for small businesses. The essential procedures for adequate accounting will include the use of journals, ledgers and financial statements. In addition, other areas studied will include banking activities, collectible accounts, notes and interest, and payroll.
Accounting II
1 Credit
Open to Juniors and Seniors
Prerequisite: Accounting I
Accounting II is an advanced study of concepts, principles and techniques that build on the competencies acquired in Accounting I used in keeping the electronic and manual financial records of a sole proprietorship, a partnership and a corporation. Departmental, management, cost, and not-for-profit accounting systems are explored. This course will apply the theory and practices developed in Accounting I. (Activities in this course will be completed manually and electronically. This course requires a computerized workstation for each student with accounting and spreadsheet software and tools provided.)

Banking and Finance
1 Credit
Open to Juniors and Seniors
Prerequisite: Computer Application
Banking and Finance is a course designed to challenge the student with real banking and financial situations through a partnership with a local financial institution that would bring resources of mentors, seminars, and hands-on experience with day-to-day operations. Completion of this course will provide students with a basis for secondary education in finance and special job skills in banking and financial institutions. Ethical issues will be presented in the course. (Lab fee)

School Bank
1 Credit
Prerequisite: Banking and Finance
This course offers a real-life application of skills and information learned. Students are mentored by employees of and Trust. Students interested in this course must complete an application and be approved while enrolled in Banking and Finance. In this course, students will operate the bank by providing savings and loan services as well as making change; evaluate the bank's practices and make policy changes as needed; provide financial statements to account holders; and complete an extended study on banking and finances.

HEALTH SCIENCE

Programs of Study (POS) in this area and the associated courses include:

**POS: Public Health Classes** include:
- Health Science Education
- Behavioral and Community Health
- Global Health and Epidemiology
- Public Health Practicum (TBD)/Clinical Internship

**POS: Diagnostic Services Classes** include:
- Health Science Education
- Anatomy and Physiology
- Diagnostic Medicine
- Cardiovascular Services
- Clinical Internship (Industry Certification: Certified EKG Technician)

Health Science Education
1 Credit
Open (Freshmen and Sophomores Preferred)
This course is an introduction to broad standards that serve as a foundation for Health Care Occupations and functions across health services. Units included are academics in health care communications systems, legal responsibilities, ethics, teamwork, and safety practices. To move on to other health science courses, students must pass this entry level class with a C or better.
Behavioral and Community Health
1 Credit
Open to Sophomores, Juniors, and Seniors
Prerequisite: Health Science Education
Behavioral and Community Health is an applied course for students interested in developing a rich understanding of the ways that communities experience and treat health-related issues such as mental health issues, STDs, social issues such as prescription drug abuse, community violence, and more. Upon completion of this course, students will be able to use research and data to understand the health and wellness of Gallatin, Sumner County, Tennessee and our nation.

Diagnostic Medicine
1 Credit
Open to Sophomores, Juniors & Seniors
Prerequisite: Health Science Education
Diagnostic Medicine is a course that will provide a deeper understanding of procedures and tests that are prescribed for patients to determine the causes of diseases and disorders as well as screening tests to prevent illnesses. Upon completion of this course, proficient students will be able to describe the purpose of varied blood tests, x-ray procedures, eye examinations, and more. Hands on activities include blood typing, urine lab test, eye exams etc.

Anatomy & Physiology
1 Credit
Open to Juniors and Seniors
Prerequisite: Health Science Education, Completion or current enrollment in Biology 1
Anatomy and Physiology is designed to develop an understanding of the structures and functions of the human body, while relating those to the causes of diseases and disorders. Upon completion of this course, proficient students will be able to apply gross anatomy from earlier courses to a deeper understanding of all body systems. This course is a hands-on course with many laboratory opportunities.

Cardiovascular Services - Industry Certification Course
1 Credit
Open to Juniors and Seniors
Prerequisite: Health Science Education, Anatomy and Physiology or Biology 1, and Diagnostic Medicine
Cardiovascular Services is a course intended to prepare students with a deeper understanding of how health complications such as electrolyte imbalance, obesity, high blood pressure, diabetes, kidney problems and more affect the body. Upon completion of this course, proficient students will have an understanding of the procedures and tests, such as ultrasound and surgery, needed to care for patients with cardiovascular diseases and disorders. Hands on opportunities include EKG machines, dopplers, stethoscopes and blood pressure cuffs. Students who complete a Clinical Internship in addition to this course will be eligible upon graduation to sit for Certified EKG Technician (CET).

Global Health and Epidemiology
1 Credit
Open to Juniors and Seniors
Prerequisite: Health Science Education, Behavioral and Community Health (Medical Therapeutics from previous years)
Global Health and Epidemiology is a course that teaches the students how the Centers for Disease Control (CDC) and the World Health Organization (WHO) work to solve medical mysteries in varied populations across the world such as (a) infectious diseases such as Ebola, Zika, and HIV/AIDS (b) Neurodevelopmental disabilities such as autism (c) Cancer (d) Cardiovascular Disease (e) Diabetes and (f) Dementia. Hands on activities include case study assessments on lab partners to determine assigned diseases.

Clinical Internship
1 Credit
Open to Juniors and Seniors
Prerequisite: Health Science Education, any other second level or higher Health Science course
Clinical Internship is a work-based learning experience designed to provide students with a real-world experience. 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. Note: Student to teacher ratio for this course is 15:1 in a clinical setting.

Medical Terminology- Dual Enrollment (Vol State)
1 Credit
Open to Juniors and Seniors with an 18 on the English ACT and a 19 on the Reading ACT
Medical Terminology is designed to develop a working knowledge of the language of health professions. Students acquire word building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts.
**HOSPITALITY & TOURISM**

Programs of Study (POS) in this area and the associated courses include:

**POS: Culinary Arts Classes include:**
- Culinary Arts I, II, and III

**Culinary Arts I**
1 Credit
Open to Freshmen & Sophomores
This course is an entry level class in food preparation. The first 9 weeks will be coursework covering sanitation, safety, nutrition, career opportunities in food related fields, equipment, table service, menu planning, and recipe skills. The second 9 weeks covers culinary applications. Students will learn how to select quality food and how to prepare foods in a safe and quality manner.

**Culinary Arts II & III**
1 Credit each
Prerequisite: Culinary Arts I & Teacher Approval
This course includes advanced studies in areas of preparation of stocks, soups, sauces, salads, meats, fish, shellfish, poultry and vegetables. Portion control, food presentation, garnishing and the preparation of desserts are important elements of the curriculum. Activities in quantity food preparation will be provided in order to prepare students for entry level employment in various food service operations. Uniforms are required in this class. Students will also be introduced to the Cool Wave Cafe - a weekly retail operation serving faculty and guests, thus, providing students with a real working environment in the classroom.

**Culinary Arts Dual Enrollment - Sanitation & Safety**
2 Credits; 2 Class Hours
Prerequisite: Culinary Arts I, Biology I, or Biology A and B - Resource, and Instructors Signatures
This course is an introduction to the sanitation and safety issues and practices involved in the food preparation process. Prevention of all types of food contamination and the Hazard Analysis Critical Control Point (HACCP) food safety system is emphasized. This course presents a manager’s perspective on food safety, cleanliness standards, and work safety. This course will include the ServSafe® Manager’s Certification Exam. **Special Note:** This course includes an online component that will require students to complete modules online through MyServSafeLab™. Course if being offered through Nashville State Community College.

**HUMAN SERVICES**

All students in the FACS classes are encouraged to participate in Family, Career and Community Leaders of America (FCCLA). The co-curricular student organization provides students with opportunities for leadership development, personal growth, and school/community involvement.

Programs of Study (POS) in this area and the associated courses include:

**POS: Social Health Services Classes include:**
- Introduction to Human Studies
- Lifespan Development
- Family Studies
- Human Services Practicum or Psychology

**Introduction to Human Studies**
1 Credit
Open to Freshmen & Sophomores
This course is a foundational course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. This course covers the history of counseling, career investigation, stress management, mental illness, communication, and the counseling process. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.
Lifespan Development
1 Credit
Open to Sophomores, Juniors, & Seniors
Prerequisite: Introduction to Human Services
Lifespan Development builds basic knowledge in human growth and development. The course standards include developmental theory, principles of growth, behavior of children from conception through adolescence, adult development and aging, and death and dying. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.

Family Studies
1 Credit
Open to Sophomores, Juniors & Seniors
Prerequisite: Introduction to Human Studies and Lifespan Development
This course is an applied knowledge course that examines the diversity and evolving structure of the modern family. Course standards focus on the demographic, historical, and social changes of interpersonal relationships, as well as parenting, and the effect of stressors on the family. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study.

**LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY**

Programs of Study (POS) in this area and the associated courses include:

POS: Law Enforcement Services Classes Include:
- Criminal Justice I, II, and III

Criminal Justice I
1 Credit
Open (Freshmen and Sophomores Preferred)
This course serves as a comprehensive survey of how the law enforcement, legal, and correctional systems interact with each other in the United States. Current issues will be researched in the context of local, state, and federal laws. Investigative skills will be developed in the areas of drug use, incident documentation and basic crime scene investigation. Additionally, upon completion of the course, students will understand the importance of communications and professionalism in law enforcement.

Criminal Justice II
1 Credit
Open to Sophomores, Juniors & Seniors
Prerequisite: Criminal Justice I
This course is an integrated survey of the law and justice systems for students interested in pursuing careers in law enforcement and legal services. From initial crisis scenario management to arrest, transport, trial, and corrections, procedures and laws governing the application of justice in the United States are examined in detail, with special emphasis on the best practices and professional traits required of law enforcement and legal professionals. This course prepares students for advanced work in crime scene analysis and forensic science, and offers strong knowledge and skill preparation for postsecondary or career opportunities in associated fields.

Criminal Justice III: Investigations
1 Credit
Open to Sophomores, Juniors & Seniors
Prerequisite: Criminal Justice I and II
This course is the final 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.
**Programs of Study (POS) in this area and the associated courses include:**

**POS: Marketing Management Classes include:**

- Intro. to Business & Marketing
- Marketing & Management I: Principals
- Marketing & Management II
- Advertising & Public Relations and/or Sports & Event Planning

**Introduction to Business and Marketing**
1 Credit
Open to Freshmen

*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.

**Marketing & Management I**
1 Credit
Open to Sophomores, Juniors, and Seniors

This course 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. This course is also co-curricular with the student organization DECA, a marketing association for students. [Class Fee Required]

**Marketing & Management II**
1 Credit (2 with Work-Based Learning)
Open to Juniors & Seniors
Prerequisites: Marketing I and Application/Teacher Approval

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. Students taking this course are eligible for work-based learning experience.

**Advertising and Public Relations**
1 Credit (2 with Work-Based Learning)
Open to Juniors & Seniors
Prerequisites: Marketing I and Teacher Approval

Advertising and Public Relations focuses on the concepts and strategies associated with promoting products, services, ideas, and events. This applied knowledge course addresses skills essential to the creative side of the industry and explores consumer behavior patterns and motivations for buying. Students will demonstrate proficiency in fundamental advertising and public relations concepts by creating an electronic portfolio of representative course projects demonstrating a progressive level of skills and knowledge. Students have the opportunity to join and participate in DECA activities. Students taking this course are eligible for work based learning experience.

**Sports and Event Planning Management**
1 Credit (2 with Work-Based Learning)
Open to Juniors and Seniors
Prerequisites: Marketing I and Teacher Approval

This course is designed to be a project based, capstone experience in which students research, prepare, deliver, and reflect upon an original event for a community organization or non-profit. Proficient students in this course will further refine leadership, teamwork, and management skills acquired in previous courses and apply them through application in a practicum setting. Work based learning in an option to students who meet the qualifications.
TRANSPORTATION, DISTRIBUTION, & LOGISTICS

Programs of Study (POS) in this area and the associated courses include:

POS: Automotive Maintenance & Light Repair
Classes include:
- Maintenance & Light Repair I, II, III, and IV

Maintenance and Light Repair I
1 Credit
Open to Freshmen, Sophomores, & Juniors
This course prepares students for entry into Maintenance and Light Repair II. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician.

Maintenance and Light Repair II
1 Credit
Open to Sophomores, Juniors, & Seniors
Course prepares students for entry into Maintenance and Light Repair III. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician.

Maintenance and Light Repair III
1 Credit
Open to Sophomores, Juniors, & Seniors
This course prepares students for entry into Maintenance and Light Repair IV. Students study and service suspension and steering systems and brake systems. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician.

Maintenance and Light Repair IV
1 Credit
Open to Juniors or Seniors
This course prepares students for entry into the automotive workforce or into postsecondary training. Students’ study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, and practice workplace soft skills. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician.

Peer Tutor of the Exceptional Learner
1 Credit
Prerequisite: Teacher Approval
This course is designed for those students who are interested in helping disabled students maximize their potential in an integrated environment. The student will be a peer tutor assigned to a disabled student who is a participant in the LRE for LiFE Project. Peer Tutors will also contract with the assigned teacher for independent studies, reading, and seminar attendance which will be required for course fulfillment.

Senior Project
1 Credit each term (Course is being reviewed by County; course may be for 0 credit for 2018-19)
Senior Project is a credit-bearing course that provides an opportunity for students to showcase the knowledge, creativity, and skills developed as a result of their twelve years of education. Through the Senior Project experience, students focus on individual and special interests and are held accountable for their own learning. Faculty members agreeing to serve as advisors must first sign the Faculty Agreement Form. Individuals agreeing to serve as mentors are required to sign the Mentor Agreement Form.
On average, students will participate in Senior Project activities 7 ½ hours per week. The academic or instructional activities may take place on or off the high school campus. Each senior may earn one elective credit for successful completion of the course. The student will receive a Pass/Fail credit that will not be computed into the student’s GPA. As a part of the experience, students must work at least 125 hours on their project, keep a weekly journal of activities, meet monthly with their faculty advisor, and submit mentor evaluations. A culminating portfolio will also be compiled including the items listed above, a student evaluation of the project, and a summative mentor evaluation.

Students wishing to participate in Senior Project off-campus must complete The Agreement for Senior Off-Campus Senior Project Credit.

**WORK BASED LEARNING**

1 Credit each term
Juniors and 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 of the career and technical education areas. Interested students must contact the appropriate career and technical education teacher or Work-Based Learning supervisor to obtain an application for Work-Based Learning.

**ADVANCED PLACEMENT**

- European History
- United States History
- United States Government and Politics
- English III
- English IV
- Calculus
- Biology
- Physics

**DUAL ENROLLMENT**

See your guidance counselor for availability of courses and the possibility of additional course offerings.

1 Credit each course in addition to college credit

Courses offered through Volunteer State Community College:

- Probability & Statistics
- College Algebra
- English IV
- Psychology
- Western Civilizations I
- Western Civilizations II
- Medical Terminology
Course offered through **Nashville State Community College:**
- CUL 1015 - Sanitation & Safety

Courses offered through **Tennessee College of Applied Technology, Hartsville:**
- Nursing Education
- Machine Tool Technology

## DUAL CREDIT

Dual Credit by Assessment is available for CTE Students through a cooperative effort with multiples higher education institutions in the Nashville area.

**Volunteer State Community College**

Career and Technical Education students who take the high school courses listed below may get college credits if they pass a test covering competencies from the matching college course. Students must apply and schedule a test date and time through the Office of Off-Campus Sites, Dual Enrollment, and Perkins. Dual Credits will transfer in most cases; check with your institution to find out its acceptance policy for college Dual Credits.

Dual Credits by Assessment Available

<table>
<thead>
<tr>
<th>High School Course(s)</th>
<th>Vol State Credits in Course(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Advanced Computer Applications</td>
<td>INFS 1010 Computer Applications (3 credits)</td>
</tr>
<tr>
<td>2. Document Form, Word Processing, etc.</td>
<td>BUS 1302 Keyb. With Word (3 credits)</td>
</tr>
<tr>
<td>3. Health Science Courses (any 2-3 courses)</td>
<td>AHC 115 Medical Terminology (3 credits)</td>
</tr>
<tr>
<td>5. Criminal Justice I and II</td>
<td>CRMJ 1010 Intro to Criminal Justice (3 credits)</td>
</tr>
<tr>
<td>6. Marketing &amp; Management (any 2 courses)</td>
<td>BUSN 2380 Principles of Marketing (3 credits)</td>
</tr>
<tr>
<td>7. e-Business Communications</td>
<td>BUS 1310 Business Communications (3 credits)</td>
</tr>
</tbody>
</table>

**Nossi College of Art**

Nossi has a dual credit agreement through our Digital Arts program for a 3-credit hour course.

**Middle Tennessee State University**

Ag Leadership 3-credit hour course

Ag Greenhouse 3-credit hour course