Foreword

The Wilson County Schools operate under a Student/Parent Informed Choice System or open registration. Parents/guardians and students should carefully study the registration/curriculum catalog and review the course listings and graduation requirements. Parents/guardians and students should discuss the student’s goals, interests, past school grades, performance on standardized tests, personal habits, attitude toward school, aptitudes, responsibilities outside the school, and other factors which may have an impact on the success of the student in a given course.

The guidance department of the school will, individually or in small groups, make available registration counseling services. Students are encouraged to take advantage of these services. In addition, the guidance department is open for appointments with parents who wish further individualized service.

Students are encouraged to register for courses that provide the highest academic challenge to their abilities. It is the responsibility of the parents and teachers to offer positive guidance and direction in helping a student establish goals and make realistic choices. These goals and choices must be commensurate with the student’s ability, interests, and background preparation. Students should consider local and state educational requirements for graduation and the requirements for admissions to post-secondary opportunities.

The information contained in this publication is intended to be used as a guide in the selection of high school courses. Students should discuss this information with parents and teachers. If there are any questions concerning any aspect of registration, students and/or parents are invited to discuss the situation with the school counselors or principals.

Public Notice

The Wilson County School System does not discriminate due to age, race, color, gender, national origin, disability, religion, creed, or veteran status in the provision of services, in programs or activities, or in employment opportunities or benefits. Inquiries concerning Title VI or Title IX of the Civil Rights Act should be directed to Chuck Whitlock at (615) 444-3282. Inquiries concerning Section 504 should be directed to Dawn Bradley at (615) 444-3282 ext. 7288. Inquiries concerning the American with Disabilities Act should be directed to Mickey Hall at (615)444-3282.

Planning the Educational Program for the Future

There are several factors a student must consider when planning an educational program. First, there are minimum course requirements prescribed for all students in order to graduate. These are located on the next few pages. Second, students should select courses for their four-year plan that align with their potential post-secondary educational opportunities and career interests. Third, students should consider enrichment or exploratory courses to deepen their learning in areas of interest. There are many on whom students can rely in making wise course selections: parents, teachers, counselors, and community professionals. Planning is a continuous process; therefore, students will annually review their educational program with their high school counselor.

Business and industry leaders throughout the nation seek employees who can communicate effectively, solve problems, and think and reason skillfully. They demand a better-prepared work force that has the technical, academic, and soft skills to effectively get the job done. Economic growth and development depend on educated citizens. To be successful in the 21st century and obtain jobs with sustainable incomes, our students must pursue post-secondary training. Therefore, we have made a commitment to strengthen what is already a strong academic program to ready students for their post-graduation opportunities. We want students to set goals before they enter as freshmen and revisit these goals every year to ensure they are taking the best possible program to prepare them for their post-secondary pursuits.

Career counseling is a major component in providing comprehensive counseling services to our students. Students will develop a four-year school plan and will be counseled to select a course of study in which they have the interest, aptitudes, and abilities. They will select their course of study at the end of the eighth grade but will have the option to change their program at the end of each academic year as long as they meet the minimum requirements and have parental approval.
**CREDIT REQUIREMENTS**

Following the implementation of the Tennessee Diploma Project in 2009, high school students must complete 26 credits to graduate. The required credits are listed below.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Courses</th>
<th>Requirement</th>
</tr>
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</table>
| Math                | 4 Courses | Algebra I, Algebra II, Geometry and a fourth higher level math course.  
(Student must be enrolled in a mathematics course each school year.) |
| English             | 4 Courses | English I, English II, English III and English IV                           |
| Science             | 3 Courses | Biology, Chemistry or Physics, and a third lab course                        |
| Social Studies      | 4 Courses | World History and Geography or AP Human Geography, U.S. History and Geography, Economics, and U.S. Government and Civics |
| Wellness            | 1 Course  |                                                                              |
| Physical Education  | 1 Course  |                                                                              |
| Personal Finance    | 1 Course  |                                                                              |
| World Language      | 2 Courses | Two credits must be in same language                                         |
| Fine Arts           | 1 Course  |                                                                              |
| Elective Credits    | 2 courses |                                                                              |
| Elective Focus*     | 3 credits | Three (3) credits must be earned in one of the programs of study listed below. 
These credits are in addition to the required credits for graduation.  
- Math and Science  
- Humanities/Fine Arts  
- Career and Technical Education (CTE)  
- JROTC*  
- Advanced Placement |
| ACT                 |          | Must take ACT for graduation requirement                                    |
| U.S. Civics Test    |          | Must take the U.S. Civics test for graduation requirement                    |
| Civics Project-     |          | Project completed in U. S. Government                                        |
| Based Assessment    |          |                                                                              |

*In order to receive an elective focus in JROTC students must complete 4 credits of JROTC.

**Allowable Substitutions**

**Physical Education**: The Physical Education (1 course) requirement may be met by substituting 40 hours of documented physical activity in one of the following: any TSSAA recognized sport, school-based cheerleading, school-based dance squad, school-based marching band.

**Career and Technical (CTE)**: Certain CTE courses may be used to fulfill the 0.5 credit requirement in Economics, Personal Finance, and Government and Politics provided the teacher meets the requirements as set out in federal and state guidelines.

**JROTC**: Successful completion of JROTC 1 & 2 may substitute for one credit of Lifetime Wellness. Successful completion of JROTC 1-3 may fulfill the Lifetime Wellness credit and U.S. Government credit provided the teacher meets the requirements set out in federal and state requirements. Successful completion of JROTC 1-4 may fulfill a
credit in Lifetime Wellness, U.S. Government, and PE. Successful completion of JROTC 1-5 may fulfill a credit in Lifetime Wellness, U.S. Government, PE, and Personal Finance.

<table>
<thead>
<tr>
<th>Substitutions</th>
<th>Course Replacing</th>
<th>Number of Credits for Elective Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>JROTC 1 &amp; 2</td>
<td>Wellness</td>
<td>5 Credits in JROTC</td>
</tr>
<tr>
<td>JROTC 1-3</td>
<td>US Government</td>
<td>6 Credits in JROTC</td>
</tr>
<tr>
<td>JROTC 1-4</td>
<td>PE</td>
<td>7 Credits in JROTC</td>
</tr>
<tr>
<td>JROTC 1-5</td>
<td>Personal Finance</td>
<td>8 Credits in JROTC</td>
</tr>
<tr>
<td>No substitutions</td>
<td></td>
<td>3 Credits in JROTC</td>
</tr>
</tbody>
</table>

**ELECTIVE FOCUS GUIDELINES**

An Elective Focus* is a focused program of study. Three (3) credits must be earned in one of the programs of study listed below. These 3 credits are in addition to the required credits for graduation.

The Elective Focus areas are:

1. **Math / Science**
   This includes any Math or Science class above and beyond the seven (7) required Math and Science courses for graduation. A student must earn a minimum of 10 (ten) credits in Math / Science to have a Math / Science Elective Focus.

2. **Humanities and Fine Arts**
   This includes any Social Studies, English, World Language, music, band, chorus, theatre, art, or dance class above and beyond the one (1) Fine Arts credit required for graduation, the (4) required English courses for graduation, the (4) required Social Studies courses for graduation, and the (2) required World Language courses for graduation.

3. **JROTC**
   Successful completion of 8 credits of JROTC will fulfill the Lifetime Wellness, Physical Education, Personal Finance, and U.S. Government requirements along with the elective focus requirement.

4. **CTE**
   This includes three courses in the same CTE Focus Area.
   - Agriculture, Food, & Natural Resources
   - Architecture & Construction
   - Arts, Audiovisual Technology, and Communications
   - Business Management & Administration, Finance, Marketing
   - Education & Training
   - Health Science
   - Hospitality & Tourism
   - Human Services
   - Information Technology
   - Law, Public Safety, Corrections, & Security
   - Science, Technology, Engineering, & Mathematics (STEM)
   - Transportation, Distribution, & Logistics

5. **Advanced Placement**
   In order to achieve an Elective Focus in Advanced Placement, students must take at least three Advanced Placement courses and complete the three Advanced Placement Tests for those courses.
STATE ASSESSMENTS

Although students are not required to pass the end of course assessments in order to graduate, these assessments are linked to the student’s final grade for the course per the State Department of Education.

Assessments are linked to the following courses:

- English I
- English II
- Algebra I
- Algebra II
- Geometry
- Biology
- US History and Geography

In addition, all 11th grade students will be required to take the ACT test. A civics test is required for graduation but there is not a passing score requirement.

10th grade Interest Inventory requirement

GRADUATING WITH HONORS OR DISTINCTION

Graduation with Honors

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. The ACT benchmarks are as follows:

- English – 18
- Math – 22
- Reading - 22
- Science – 23

Graduation with Distinction

Students will be recognized as graduating with “distinction” by attaining a B (3.0 cumulative GPA or above) average and completing at least one of the following:

- Earn a nationally recognized industry certification
- Participate in at least one (1) of the Governor’s Schools
- Participate in one (1) of the state’s All State musical organizations
- Be selected as a National Merit Finalist or Semi-Finalist
- Attain a score of thirty-one (31) or higher composite score on the ACT
- Attain a score of three (3) or higher on at least two Advanced Placement exams
- Earn 12 or more semester hours of college credit as indicated on high school transcript.
- Earn state-wide recognition or award at a skill or knowledge based state tournament, convention, or competition hosted by a statewide student organization, and/or qualify for national recognition by a national student organization.

*Students graduating with a gold or platinum medal on National Career Readiness Certificate (WorkKeys) shall be recognized.
Students who voluntarily complete at least ten (10) hours of community service each semester the student is in attendance at a public high school shall be recognized.

Work Ethic Distinction

The Work Ethic Distinction is a workforce readiness credential that can be earned by high school seniors in Wilson County and other participating counties. Students who earn the Work Ethic Diploma will be recognized at graduation and will be given preference for job interviews with partnering employers if the graduate meets all other qualifications of the job posting. Students who sign up for the Work Ethic Distinction must complete enough of the goals set out in the achievement categories to score 20 points in order to receive the diploma distinction. For seniors who are interested, information will be available in their guidance offices.

Wilson County Schools
Gold Work Ethics Certificate

A. Attendance Standard
(1 pt.) Student has no more than 5 absences from school during senior year.
(2 pts.) Student has no more than 3 absences from school during the senior year.
(3 pts.) Student has no more than 1 absence from school during the senior year.

B. Absence Standard
(1 pt.) Student has no more than one unexcused absence from school during the senior year.
(2 pts.) Student has no unexcused absence from school during the senior year.

C. Tardiness Standard
(1 pt.) Student has no more than two unexcused tardies to school during the senior year.
(2 pts.) Student has no more than one unexcused tardy to school during the senior year.

D. Discipline Standard
(1 pt.) Student has no more than one discipline referral during the senior year.
(2 pt.) Student has no discipline referrals during the senior year.

E. Overall Grade Point Average Standard
(1 pt.) Student has an overall GPA of 2.0 to 2.9.
(2 pts.) Student has an overall GPA of 3.0 to 3.4.
(3 pts.) Student has an overall GPA of 3.5 or above.

F. Drug Free Standard
(5 pts.) Student voluntarily presents written proof as being drug free.

G. CTE Coursework Standard
(1 pt.) Student has successfully completed at least one CTE Course by the end of the senior year.
(2 pts.) Student has successfully completed two CTE courses by the end of the senior year.
(3 pts.) Student has successfully completed three or more CTE courses by the end of the senior year.

H. CTE Competition Standard
(1 pt.) Student has competed in an approved regional level CTE competition during the senior year.
(2 pts.) Student has competed in an approved state level CTE competition during the senior year.
(3 pts.) Student has competed in an approved national level CTE competition during the senior year.

I. TN Promise Standard
(2 pts.) Student is in good standing with TN Promise and has completed the required 8 hours of community service.
J. Dual Enrollment/Credit Standard
   (2 pts.) Student has successfully completed a dual enrollment or dual credit CTE course at one of the participating post-secondary institution during or before their senior year.

K. Industry Certification Standard
   (2 pts.) Student has received a national industry certification during or before the senior year.

L. Enrollment in Post-Secondary Standard
   (2 pts.) Student is registered or has applied at a post-secondary institution for the fall of the graduating year.

M. Industry Awareness Standard
   (1 pt.) Student has participated in one industry awareness event during the senior year.
   (2 pts.) Student has participated in more than one industry awareness event during the senior year.
   (3 pts.) Student has participated in an internship or work based learning activity.
   *To receive a Gold Work Ethic Certificate a student must earn a minimum of 20 points of which 5 points must be from Standard “F” (Drug free).
   *To receive a Silver Work Ethic Certificate, a student must earn a minimum of 20 points.

GRADUATION CEREMONY
In order to participate in the commencement exercises (graduation), a student must fulfill all graduation requirements as stipulated by the Tennessee Department of Education and the Wilson County Board of Education. Any student who is a senior and has not completed the assignment time at MAP five days before the end of the school year may not participate in the graduation ceremony. If all academic work has been completed that will allow them to graduate, then the student can pick up the diploma on the first school day after graduation.

GRADING SCALE AND WEIGHTED GRADES
The following state-wide grading scale is used in all classes:

A = 93-100   B = 85-92   C = 75-84   D = 70-74   F = Below 70

In addition, weighted grades will be calculated per Board Policy 4.600.

LOTTERY (HOPE) SCHOLARSHIP
Assigning quality points above a 4.0 for any course(s) is not allowed for the purpose of determining eligibility for the lottery (HOPE) scholarship. Eligibility is determined by the students’ unweighted GPA.

PRINCIPAL’S LIST/HONOR ROLL
To be eligible for either the Principal's List or Honor Roll, a student must be enrolled in a minimum of four (4) credits. To be eligible for the Principal's List, students must have A's in all subjects. To be eligible for the honor roll, a student must have no grade below a B and at least one A.

VALEDICTORIAN/SALUTATORIAN STATUS
To be eligible for either Valedictorian or Salutatorian, students who enrolled as ninth graders in 2018 and thereafter must meet the requirements as outlined in Board Policy 4.602. Students who enrolled in ninth grade prior to 2018 have been grandfathered into the class rank system.
CLASS RANKING / LATIN HONORS DESIGNATION

To be eligible for either Valedictorian or Salutatorian, students who enrolled as ninth graders in 2018 and thereafter must meet the criteria as outlined in Board Policy 4.602. Students who enrolled in ninth grade prior to 2018 have been grandfathered into the class rank system.

Seal of Biliteracy
In addition to completing requirements for English, students who attain high level of proficiency in speaking, reading, and writing in one (1) or more languages must meet the following criteria:
- Complete all English language arts requirements for graduation with an overall grade point average of 3.0 or higher in those classes;
- Score at the advanced, on-track, or mastered level on each English language arts End of Course assessment taken (excluding End of -Course assessments taken during the student’s final semester prior to early graduation);
- Achieve a passing score on a nationally recognized foreign language proficiency assessment. If a nationally recognized foreign language assessment is not available, LEAs may develop other appropriate methods for students to demonstrate proficiency, such as through a portfolio. Any alternate model must address communication, cultures, connections, comparisons, and communities.

TriStar Scholar
A student who earns a composite score of nineteen (19) or higher on the ACT, or an equivalent score on the SAT, and earns a capstone industry certification as promoted by the Department of Education, shall be recognized as a Tennessee Tri-Star Scholar upon graduation from high school.

Early Graduation
A student who meets all graduation requirements as established by the State of Tennessee and the Wilson County School Board may graduate early (fewer than eight (8) terms in attendance) by meeting the guidelines for early exit to post-secondary or early exit through hardship. Board Policy 4.2031.

Credit Recovery
Credit recovery is an option for high school students in the Wilson County School System. Admission to, and removal from, credit recovery programs may include, but not be limited to, attendance, discipline, availability of coursework, availability of space, appropriate progress, and grades. Board Policy 4.606.

In order for a student to be eligible to enter credit recovery, the following is required:

1. The student’s parent and/or legal guardian gives written consent for the student to enroll in the proposed credit recovery course(s).
2. The student has previously taken an initial, non-credit recovery section of the proposed course and received a grade of not less than 50%. Students who receive a grade of below 50% in the non-credit recovery section of the course must re-take the course.
   If a student is seeking to recover credit for the first semester of a two semester course, the student may not receive full credit for the course until they have enrolled in and passed the second semester of the course and taken the end-of-course (EOC) examination, if
MOVE ON WHEN READY

In order to meet the Move on When Ready Act criteria, an eligible student must fulfill each of the following requirements:

1. Earn 18 credits
   a. English I, II, III, and IV
   b. Algebra I and II*
   c. Geometry*
   d. United States History
   e. Two (2) courses in the same foreign language
   f. One (1) course selected from the following: i. Economics ii. Government iii. World Civilizations iv. World Geography
   g. One (1) course selected from the following: i. History and appreciation of visual and performing arts ii. A standards-based arts course, which may include studio art, band, chorus, dance, or other performing art
   h. Health and Physical Education (Wellness)
   i. Biology
   j. Chemistry

2. Have a cumulative GPA of at least a 3.2 on the Uniform Grading System four (4) point scale;

3. Score at the On-Track or Mastered level on each end-of-course assessment taken (excluding end-of-course assessments taken during the student’s final semester prior to early graduation);

4. Meets benchmark scores of twenty-one (21) or higher on the ACT or an equivalent score on the SAT;

5. Achieve a passing score on a nationally recognized language proficiency assessment; and

6. Complete two (2) early postsecondary courses.

Tennessee State Board of Education Policy 2.103(1)(e)
ACADEMIC PROGRAMS

Honors Courses

Honors level courses substantially exceed the content standards, learning expectations, and performance indicators of standard courses. Teachers of honors courses model instructional approaches that facilitate maximum interchange of ideas among students: independent study, self-directed research and learning, and appropriate use of technology. All honors courses include multiple assessments exemplifying coursework (such as short answer, constructed-response prompts, performance-based tasks, open-ended questions, essays, original or creative interpretations, authentic products, portfolios, and analytical writing). Additionally, an honors course includes a minimum of five of the following components:

- Extended reading assignments that connect with the specified curriculum;
- Research-based writing assignments that address and extend the course curriculum;
- Projects that apply course curriculum to relevant or real-world situations;
- Open-ended investigations in which the student selects the questions and designs the research;
- Writing assignments that demonstrate a variety of modes, purposes, and styles;
- Integration of appropriate technology into the course of study;
- Deeper exploration of the culture, values, and history of the discipline;
- Extensive opportunities for problem-solving experiences through imagination, critical analysis, and appreciation; and
- Job shadowing experiences with presentations that connect class study to the world of work.

To enroll in an honors course, students should have records of high achievement. For honors courses, teachers add three points to each reporting period as well as to any semester exam or other grade used to determine the semester average. The grade points are weighted by adding 0.5 quality points.

Pre-Advanced Placement Courses

Pre-Advanced Placement courses are academically advanced courses designed to challenge motivated students to research and understand rigorous content and think, speak, and write critically and effectively about that content. Pre-AP coursework requires students to engage in more independent analytical reading and writing assignments, both inside and outside of the classroom. Pre-AP courses are designed to prepare students for success in subsequent Advanced Placement courses. Any student who has fulfilled course prerequisites as listed in program guide may enroll in Pre-AP courses. To enroll in Pre-AP courses, students should have records of high achievement, be highly motivated, and have a strong work ethic. For Pre-AP courses, teachers add three points to each reporting period as well as to any semester exam or other grade used to determine the semester average. In addition, grade points are weighted by adding 0.5 quality points.

Dual Enrollment Courses

Dual enrollment courses may be completed through a college or university. Students who complete and pass the course(s) may earn high school and college credit. Students are responsible for seeking admission to the college or university and for payment of college tuition. It is the responsibility of the student to verify that the credit will be accepted at the university they plan to attend.

Open to grades 11 and 12

Prerequisites:

- Grade point of 3.0 in the subject area of enrollment,
- A minimum ACT composite score of 19 and an ACT score of 19 on the appropriate subtest (The college/university may require higher scores.),
- Appropriate course prerequisites.

- Students are required to purchase all required textbooks.
- Weighted grades will be awarded in accordance to Board Policy 4.600.
- Students choosing to take a college course during the school day at their home school, or other site, may do so with the approval of the principal.
**Advanced Placement Programs**

Advanced Placement is an academic program of college-level courses and examinations for secondary school students. The College Board sponsors the Advanced Placement (AP) Program. Participation is offered to all secondary schools. The AP Program gives students the opportunity to pursue college-level studies while still in high school and possibly to receive college credit. Over 1,200 colleges and universities in the nation offer Advanced Placement and/or specific college credit to AP students who earn a set score on the AP examination.

The curriculum of an AP course is challenging and requires more effort and work on the part of the student than does a standard or honors high school course. Advanced Placement courses allow students to deepen their critical thinking, problem solving, and communication skills in college-level subjects of study.

Those enrolled in AP classes will take the AP Exam. The registration fee for AP exams is $94.00 per exam. The school shall provide some help for students with financial problems through The College Board waiver procedures.

For AP courses, teachers add five points to each reporting period as well as to any semester exam or other grade used to determine the semester average. The grade points are weighted by adding 1.0 quality points. If a student elects not to take the Advanced Placement Exam, the student will receive an increase to his/her G.P.A. by .5 quality points.
NCAA ELIGIBILITY

For additional information refer to the “NCAA Guide for the College-Bound Student- Athlete” (got to www.eligibilitycenter.org) and college directories for information on Division I, II, and III colleges and universities. The NCAA form (48-H) lists the course titles and the course numbers of all courses that meet NCAA core course requirements. This form can be completed by each school and sent in to the NCAA Initial Eligibility Clearinghouse.

If a student enrolls in a Division I college or university on or after August 1, 2019, and wants to practice and compete in Division I athletics or receive an athletics aid during the first year of college, the student athlete must:

- Graduate from high school
- Complete the 16 core-course requirement in eight semesters:
  - 4 years English;
  - 3 years math at Algebra I level or higher;
  - 2 years natural or physical science (one lab if offered at any high school attended);
  - 1 year additional English, math, or natural/physical science;
  - 2 years social science; and
  - 4 additional years from areas above or foreign language, philosophy, or comparative religion.

  Note: Courses with similar content may be deemed duplicative by the NCAA Eligibility Center.
- Complete 10 core courses, including 7 in English, math or science before the start of your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses for GPA improvement.
- Earn a minimum required grade-point average in 16 core courses of 2.3.
- Earn an SAT combined score or ACT sum score that matches the core-course grade-point average on the Division I sliding scale (For example, a 2.425 core-course grade-point average needs an 860 SAT score or 70 ACT sum score).

If a student enrolls in a Division II college before August 1, 2019, and wants to participate in athletics or receive an athletic scholarship during the first year, the student athlete must:

- Graduate from high school.
- Complete all 16 core courses:
  - 3 years of English
  - 2 years of mathematics (Algebra I or higher)
  - 2 years of natural/physical science (one year of lab if offered by high school)
  - 3 additional years of English, mathematics, or natural/physical science
  - 2 years of social science
  - 4 additional years of English, mathematics, natural or physical science, social science, world language, comparative religion or philosophy
- Earn a 2.2 grade-point average or better in your core courses; and
- Earn a combined SAT score of 920 or an ACT sum score of 70.

If a student enrolls in a Division II college after August 1, 2019, and wants to participate in athletics or receive an athletic scholarship during the first year, the student athlete must:

- Graduate from high school;
- Complete all 16 core courses:
  - 3 years of English
  - 2 years of mathematics (Algebra I or higher)
  - 2 years of natural/physical science (one year of lab if offered by high school)
  - 3 additional years of English, mathematics, or natural/physical science
  - 2 years of social science
  - 4 additional years of English, mathematics, natural or physical science, social science, world language, comparative religion or philosophy;
- Earn a 2.0 grade-point average or better in your core courses; and
- Earn an SAT score or ACT score that matches the core-course grade-point average (minimum 2.0) on the Division II competition sliding scale.

For additional information, visit the NCAA Clearinghouse website.
**NAIA ELIGIBILITY**

- Meet **two of the three** following requirements. If as an entering freshman you do not meet at least two of the three standards, you cannot participate in athletics for the first full year of attendance (2 semesters, 3 quarters, or equivalent).

### MUST MEET TWO OF THE THREE

<table>
<thead>
<tr>
<th>1. TEST SCORE REQUIREMENT</th>
<th>2. HIGH SCHOOL GPA REQUIREMENT</th>
<th>3. CLASS RANK REQUIREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Achieve a minimum of 16 on the ACT or 860 on the SAT.</td>
<td>Achieve a minimum overall high school grade point average of 2.0 on a 4.0 scale.</td>
<td>Graduate in the top half of your high school class.</td>
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</tbody>
</table>

Tests must be taken on a national testing date; score must be achieved on a single test. The SAT must be achieved on the Evidence-Based Reading and Writing & Math section only; the Writing score cannot be used. You must meet the score requirement on a test date prior to the start of the term in which you intend to participate in athletics.

*These minimum ACT and SAT score are in place for 2017-18 and are subject to change moving forward.

The NAIA accepts the grade point average determined by the high school, provided it is recorded and awarded in the same manner as for every other student at the school.

If a student’s class rank does not appear on the transcript, a signed letter from the principal or headmaster, vice principal or guidance counselor written on the school’s letterhead and with the school’s official seal, stating the student’s final class rank position or percent may be submitted.

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**Learning disabilities.** Students with diagnosed learning disabilities, who do not meet the freshman eligibility requirements, may have their academic profiles reviewed by the NAIA National Eligibility Committee at the request of an NAIA institution.
SCHEDULING POLICIES

A high school builds its master schedule on student requests for courses. The spring registration determines the courses the school will offer the following fall. Once the master schedule has been established, students are obligated to take the courses they requested. Students, therefore, should plan their schedules in a thoughtful, careful manner to match their abilities and educational goals.

• Valid schedule corrections to update course selections based on summer school credits or to correct a scheduling error made by the school may take place the first 5 days of first semester.

• Students who requested and received Honors or Advanced Placement courses in the spring will be obligated to take these courses in the next academic school year unless school administration approval is granted.

• A student who is experiencing difficulty in a class will not be removed from the class outside the policies stated above. When difficulties occur, the following procedures should be followed:

1. The student should seek assistance from the course instructor. This may include, but is not limited, to one-to-one tutoring with the teacher, small group tutoring offered before or after school, or additional remediation projects.
2. If student difficulties persist in the course, the parent should communicate with the teacher. Communication may occur by email, phone, or parent-teacher conference.
3. If the student continues to experience difficulties, the parent may request a school meeting that includes the teacher, student, parent(s), appropriate school counselor, and appropriate school administrator. The team will form an appropriate plan of action to address the concerns.

AP Courses:

Students who wish to take an AP course who have not met the grade level and/or other requirements must fill out an application for review. Please see your school counselor for information.
### Student Planning Guide

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<tr>
<th>CORE COURSE</th>
<th>CREDIT EARNED</th>
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<td>English I</td>
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<td>English IV</td>
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<td>Algebra I</td>
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<td>Geometry</td>
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**Elective Focus Courses** (Must complete 3.0 credits in one area. Students choosing a CTE focus must complete 3.0 credits from any one Career Cluster or 4.0 credits in JROTC.)

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<td>Science/Math</td>
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COURSE DESCRIPTION BY SUBJECT AREA

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ENGLISH LANGUAGE ARTS

Note: To satisfy graduation requirements, each student must earn four credits of English Language Arts: English I, English II, English III, and English IV.

3001 English I - English I addresses four strands of literacy: Reading, both literary and informational texts; Writing, including research; Listening and Speaking; and Language. Students read a variety of books, fiction and nonfiction, short stories, poetry, drama, literary nonfiction and informational texts. Writing involves the modes of narrative, informative/explanatory, and argument/opinion with an emphasis on providing relevant and ample evidence to support a claim. Students have regular opportunities to conduct both limited and extended research and to share their findings in a variety of ways, including technology-based presentations, whole and small group discussions, and written products. This course continues to develop language knowledge and skills, enabling students to write and speak in registers appropriate to the purpose and audience.

Grade Level: 9        Prerequisite: None        Minimum Credit: 1.0        Maximum Credit: 1.0

3001A English IA and English IB* - This two-term sequence is designed for students who enter high school not ready to complete English I in one semester. English I addresses four strands of literacy: Reading, both literary and informational texts; Writing, including research; Listening and Speaking; and Language. Students read a variety of books, fiction and nonfiction, short stories, poetry, drama, literary nonfiction and informational texts. Writing involves the modes of narrative, informative/explanatory, and argument/opinion with an emphasis on providing relevant and ample evidence to support a claim. Students have regular opportunities to conduct both limited and extended research and to share their findings in a variety of ways, including technology-based presentations, whole and small group discussions, and written products. This course continues to develop language knowledge and skills, enabling students to write and speak in registers appropriate to the purpose and audience.

Grade Level: 9        Prerequisite: TBD        Minimum Credit: 1.0        Maximum Credit: 1.0

*NOTE: Minimum Credit: 2.0 Maximum Credit: 2.0* *Students will earn elective credit only for English IA. The English credit is awarded with the IB course. Students must complete both the IA and IB course within the same academic year (fall, spring).

3001 English I Pre-Advanced Placement - Students in English I Pre-Advanced Placement have demonstrated above grade level skills in reading and writing and an ability to work independently and collaboratively. As in English I, students read a variety of increasingly complex tests and write in various modes, with the additional expectation of extended reading, writing, and research. Students must successfully meet district and teacher expectations in the completion of honors criteria each quarter, while also completing at least one or more extended reading and writing assignments related to the quarter’s content.

Grade Level: 9        Prerequisite: None        Minimum Credit: 1.0        Maximum Credit: 1.0

3017 English Language Arts Intervention - Students may earn an elective credit in this course designed to improve students’ decoding, fluency, vocabulary, reading comprehension, and writing skills through individualized learning pathways. Students may qualify for this course based on achievement data, universal screening results, and/or reading fluency or writing test results.

Grade Level: 9, 10, 11        Prerequisite: Must receive approval by school team        Minimum Credit: 1.0        Maximum Credit: 1.0

3002 English II - English II addresses four strands of literacy: Reading, both literary and informational texts; Writing, including research; Listening and Speaking; and Language. Students complete a survey of World Literature, including a variety of books, fiction and nonfiction, short stories, poetry, drama, literary nonfiction and informational texts. Writing involves the modes of narrative, informative/explanatory, and argument/opinion with an emphasis on providing relevant and ample evidence to support a claim while using increasingly sophisticated structures. Students have regular opportunities to conduct both limited and extended research and to share their findings in a variety of ways, including technology-based presentations, whole and small group discussions, and written products. This course continues to develop language knowledge and skills, enabling students to write and speak in registers appropriate to the purpose and audience.

Grade Level: 10        Prerequisite: English I        Minimum Credit: 1.0        Maximum Credit: 1.0

3002A English IIA and English IIB* - This two-term sequence is designed for students who enter high school not ready to complete English II in one semester. English II addresses four strands of literacy: Reading, both literary and informational texts; Writing, including research; Listening and Speaking; and Language. Students complete a survey of World Literature, including a variety of books, fiction and nonfiction, short stories, poetry, drama, literary nonfiction and informational texts. Writing involves the modes of narrative, informative/explanatory, and argument/opinion with an emphasis on providing relevant and ample evidence to support a claim while using increasingly sophisticated structures. Students have regular opportunities to conduct both limited and extended research and to share their findings in a variety of ways, including technology-based presentations, whole and small group discussions, and written products. This course continues to develop language knowledge and skills, enabling students to write and speak in registers appropriate to the purpose and audience.

Grade Level: 10        Prerequisite: English I and TBD        Minimum Credit: 1.0        Maximum Credit: 1.0

*NOTE: Minimum Credit: 2.0 Maximum Credit: 2.0* *Students will earn elective credit only for English IIA. The English credit is awarded with the IIB course. Students must complete both the IIA and IIB course within the same academic year (fall, spring and summer).
3002 English II Pre-Advanced Placement - Students in English II Honors have successfully completed English I Honors or demonstrated above grade level skills in reading and writing and an ability to work independently and collaboratively. As in English II, students read a variety of increasingly complex texts and write in a variety of modes, with the additional expectation of extended reading, writing, and research. Students must successfully meet district and teacher expectations in the completion of honors criteria each quarter, while also completing at least one or more extended reading and writing assignments related to the quarter’s content. Students are expected to demonstrate mastery of grammar and language mechanics in both writing and speaking by the end of the year.

Grade Level: 10  
Prerequisite: English I credit  
Minimum Credit: 1.0  
Maximum Credit: 1.0

3003 English III - English III continues to develop skills in the four strands of Reading, Writing, Listening and Speaking, and Language through a survey of American Literature. Students are expected to read and analyze complex expository works of literary nonfiction, as well as a wide spectrum of various genres of American literature, in order to produce ample evidence to support inferences. Students will determine themes across multiple texts and express their thinking in writing and speaking supported by ample and relevant evidence from the texts. Writing will emphasize analysis of text, including research with appropriate citations. Writing will also focus on revising for specific purposes and audiences and editing to demonstrate command of language and mechanics.

Grade Level: 11  
Prerequisite: English II  
Minimum Credit: 1.0  
Maximum Credit: 1.0

3003EA English IIIA and English IIIB* - This two-term sequence is designed for students who enter high school not ready to complete English III in one semester. English III continues to develop skills in the four strands of Reading, Writing, Listening and Speaking, and Language through a survey of American Literature. Students are expected to read and analyze complex expository works of literary nonfiction, as well as a wide spectrum of various genres of American literature, in order to produce ample evidence to support inferences. Students will determine themes across multiple texts and express their thinking in writing and speaking supported by ample and relevant evidence from the texts. Writing will emphasize analysis of text, including research with appropriate citations. Writing will also focus on revising for specific purposes and audiences and editing to demonstrate command of language and mechanics.

Grade Level: 11  
Prerequisite: English II and TBD  
Minimum Credit: 1.0  
Maximum Credit: 1.0

*NOTE: Minimum Credit: 2.0  
Maximum Credit: 2.0*  
*Students will earn elective credit only for English IIIA. The English credit is awarded with the IIIB course. Students must complete both the IIIA and IIIB course within the same academic year (fall, spring and summer).

3003 English III Pre-Advanced Placement - Students in English III Honors have successfully completed English II Honors and have demonstrated above grade level skills in reading and writing and an ability to work independently and collaboratively. As in English III, students perform a variety of complex reading tasks focused on recurrent themes in American literature and foundational works of American political philosophy. Analytical writing (both argument/opinion and informative/explanatory) accounts for 80% of the students’ writing. Students will become skillful in developing claims and counterclaims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence. Students must successfully meet district and teacher expectations in the completion of honors criteria each quarter, while also completing at least one or more extended reading and writing assignments related to the quarter’s content. Students are expected to demonstrate command of language in various writing and speaking contexts and tasks.

Grade Level: 11  
Prerequisite: English II credit  
Minimum Credit: 1.0  
Maximum Credit: 1.0

3013 English III Language and Composition AP - AP Language and Composition emphasizes critical reading, analysis, research, and composition. Students are expected to analyze a wide variety of complex prose from a variety of time periods, disciplines, and rhetorical contexts. Writing assignments emphasize development of critical analysis based on text and incorporating evidence from research. Extensive outside reading is required. This is a college-level course approved by the Advanced Placement College Board. Reading selections deal with mature themes. Students will develop the cognitive and communicative skills to do well on the AP English Language and Composition Examination in May.

Grade Level: 11  
Prerequisite: English II credit  
Minimum Credit: 1.0  
Maximum Credit: 1.0

3005 English IV - English IV continues to develop and refine skills in Reading, Writing, Listening and Speaking, and Language through a survey of British Literature. Students are expected to read and analyze complex expository works of literary nonfiction, as well as a wide spectrum of various genres of British literature, in order to produce ample evidence to support inferences. Students will determine themes across multiple texts and express their thinking in writing and speaking supported by ample and relevant evidence from the texts. Writing will emphasize analysis of text, including research with appropriate citations. Writing will focus on developing increasingly sophisticated structures, blending modes of narrative, informative/explanatory, and argument/opinion, revising for specific purposes and audiences, and editing to demonstrate command of language and mechanics.

Grade Level: 12  
Prerequisite: English III  
Minimum Credit: 1.0  
Maximum Credit: 1.0
3014 English IV Literature and Composition AP - AP English Literature and Composition is a rigorous college-level course. Students complete a survey of world literature. Writing includes extensively developed compositions in all modes, with an emphasis on literary analysis to evaluate structure and tone of pieces of text representing a variety of literary genres. Reading selections deal with mature themes. In addition to extended reading, students also complete an in-depth literary analysis incorporating MLA documentation. Students also regularly practice timed Advanced Placement writing prompts in preparation for the AP English Literature and Composition Examination in May.

**Grade Level:** 12  
**Prerequisite:** English III credit  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0

3075 English as a Second Language I*  
Board-approved materials fee may be requested, but not required. Focuses on the basic skills of English for students at the beginning proficiency level. This course focuses on the basic concepts of reading, writing, listening, and speaking in the English language. Designed for those students for whom English is not the primary language.

**Grade Level:** 9,10,11,12  
**Prerequisite:** NA  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0  
*NOTE: Two (2) credits in E.S.L. may substitute for two (2) of the four (4) credits in English which are required for graduation.

3076 English as a Second Language II*  
Builds upon the basics and expands comprehension with the introduction of academic vocabulary. The curriculum focuses on advancing literary skills for the development of new knowledge/skills. Designed for those students for whom English is not the primary language.

**Grade Level:** 9,10,11,12  
**Prerequisite:** NA  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0  
*NOTE: Two (2) credits in E.S.L. may substitute for two (2) of the four (4) credits in English which are required for graduation.

3077 English as a Second Language III*  
Builds on the skills earned in E.S.L. 2 and adds additional academic language needs. The emphasis is more on academic processes and content knowledge, rather than basics. Designed for those students for whom English is not the primary language.

**Grade Level:** 9,10,11,12  
**Prerequisite:** NA  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0  
*NOTE: Two (2) credits in E.S.L. may substitute for two (2) of the four (4) credits in English which are required for graduation.

3078 English as a Second Language IV*  
Focuses on academic content appropriate for grade level of students. More reading and writing content is used. Grammar structure is emphasized. Designed for those students for whom English is not the primary language.

**Grade Level:** 9,10,11,12  
**Prerequisite:** NA  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0  
*NOTE: Two (2) credits in E.S.L. may substitute for two (2) of the four (4) credits in English which are required for graduation.

3012 Creative Writing - Creative Writing is designed to expand the students’ writing skills, logical thought processes, and original thinking as they explore different modes of writing. Students are expected to grow in their ability to think innovatively and logically and to express themselves effectively. Assignments include both individual and collaborative writing, and students are expected to share their work within the classroom community.

**Grade Level:** 9-12  
**Prerequisite:** None  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0

2900 Advanced Creative Writing -- The student will be given the opportunity to develop a creative outlet through additional writing experiences in fiction and/or nonfiction. Creative Writing allows them to promote self-expression, to explore various writing styles, and to strive for variety in diction, sentence structure, and format. Students will develop fluency, logic, clarity, and creativity; write for a variety of audiences; explore diverse modes and genres of writing; utilize evaluation and revision skills; focus on the steps of the process writing; and use available technology in the creative process.

**Grade Level:** 10-12  
**Prerequisite:** Creative Writing  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0

6193ER ACT Review English and Reading - Students review skills and competencies required for success on the Reading and English sections of the ACT. They will become familiar with the format and scoring of the ACT, learn test-taking skills, and receive individualized instruction, enabling them to demonstrate their knowledge on the ACT.

**Grade Level:** 10-12  
**Prerequisite:** None  
**Minimum Credit:** .5  
**Maximum Credit:** 1.0
3008 Journalism I - Students in Journalism I (Yearbook) support the production of the school yearbook. The class functions as a laboratory in which students learn and practice skills in writing, photography, graphic design, desktop publishing, selling and designing advertisements and marketing the yearbook and newspaper. Students in Journalism I (Newspaper) support the production of the school newspaper. They write and publish school newspaper articles, take and crop photographs, create original graphics, and develop and balance the printing budget. Students in Journalism I may also support the school literary magazine. These courses are considered elective courses.

Grade Level: 9-12
Prerequisite: None
Minimum Credit: 1.0
Maximum Credit: 4.0

3097 Journalism II Y/N - Students in Journalism I – Yearbook or Newspaper – hold editorial positions and are responsible for managing assignments and deadlines in order to publish the yearbook or newspaper in a timely manner. Among their positions are editor-in-chief, photography editor, copy editor, senior editor, and advertising manager. These courses are considered elective courses.

Grade Level: 10-12
Prerequisite: Journalism I
Minimum Credit: 1.0
Maximum Credit: 4.0

2906 Speech and Communications - Speech develops public speaking skills. The curriculum includes skills in researching, writing, presenting, and adapting speeches to various audiences and purposes with various communication tools of perception, listening, speech apprehension, ethics, and nonverbal communication included. Forensics and debate may be included.

Grade Level: 10-12
Prerequisite: English I
Minimum Credit: 1.0
Maximum Credit: 1.0
**MATHEMATICS**

Students must be enrolled in a mathematics course each school year.

**Students must take Algebra I, Geometry, Algebra II, and a fourth higher level math course.***

*Students with qualifying disabilities as documented in the IEP are required to complete Algebra I and Geometry. They must be enrolled in a math class for each year of high school for four consecutive years.

**Recommended Mathematics Sequences**

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<th>7th Grade</th>
<th>8th Grade</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
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<tr>
<td>7th Grade Math</td>
<td>8th Grade Math</td>
<td>Algebra I</td>
<td>Geometry A/B</td>
<td>Algebra II</td>
<td>Pre-Calculus Honors</td>
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<td>Algebra I Honors</td>
<td>Geometry</td>
<td>Algebra II Honors</td>
<td>Statistics</td>
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<td>Algebra I A/B</td>
<td>Geometry Honors</td>
<td>Algebra II A/B</td>
<td>Bridge Math**</td>
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<th>Geometry</th>
<th>Algebra II</th>
<th>Pre-Calculus Honors</th>
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<tr>
<td>Algebra I</td>
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<td>Geometry Honors</td>
<td>Algebra II</td>
<td>Pre-AP Calculus AP Statistics*</td>
<td>AP Calculus AB</td>
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<td>*Students may concurrently take Algebra II Honors with Geometry Honors</td>
<td>Algebra II Honors</td>
<td>(*concurrent with Pre-AP Calculus or Pre-Calculus Honors)</td>
<td>AP Calculus BC</td>
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<td>Pre-Calculus Honors</td>
<td>AP Statistics</td>
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<td>Algebra II</td>
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<td>Pre-Calculus Honors</td>
<td>Pre-AP Calculus AP Statistics*</td>
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<td>AP Calculus AB</td>
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<td>Algebra II Honors</td>
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<td>(*concurrent with Pre-AP Calculus or Pre-Calculus Honors)</td>
<td>Pre-Calculus Honors</td>
<td>AP Calculus BC</td>
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<td>Pre-Calculus Honors</td>
<td>AP Statistics</td>
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<td>Pre-AP Calculus</td>
<td>Pre-AP Calculus</td>
<td>Pre-Calculus Honors</td>
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<td>AP Calculus BC</td>
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**Students who score below a 19 on the Mathematics ACT subtest will be placed in Bridge Math or SAILS.**

**Students with qualifying disabilities as documented in the IEP may fulfill math graduation requirements through the following options:**

<table>
<thead>
<tr>
<th>Option 1</th>
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<th>Option 4</th>
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<tr>
<td>9th Grade</td>
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<td>Algebra IA</td>
<td>Algebra IA / Algebra IB</td>
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<td>10th Grade</td>
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<td>Algebra IB</td>
<td>Geometry A</td>
<td>Geometry</td>
<td>Bridge Math</td>
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<td>11th Grade</td>
<td>11th Grade</td>
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<tr>
<td>Geometry A</td>
<td>Geometry B</td>
<td>Bridge Math</td>
<td>Bridge Math</td>
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<td>12th Grade</td>
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<tr>
<td>Geometry B</td>
<td>Bridge Math</td>
<td>Bridge Math</td>
<td>Algebra II</td>
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**Many post-secondary institutions require the completion of Algebra II for admissions. Please check with the post-secondary institutions in which you would like to enroll to ensure you meet all necessary math requirements for admission.**
31023A / 3102B Algebra IA and Algebra IB - This two-term sequence is designed for students who enter high school not ready to start Algebra I. These courses will explore and apply concepts, processes, and skills that are essential to successfully completing the high school graduation requirement. The first term is spent integrating pre-algebra and introductory algebra skills. More time is devoted to skill development than is possible in the one-term Algebra I class.

**Grade Level:** 9-12  
**Prerequisite:** Must receive approval by school team  
**Minimum Credit:** 2.0

**Maximum Credit:** 2.0*  
*Students will earn elective credit only for Algebra IA. The math credit is awarded with the B course. Students must complete both the IA and IB course within the same academic year (fall, spring). Students with qualifying disabilities as documented in the IEP may earn math credit for Algebra IA.

3102 Algebra I - This course includes properties of the real number system, linear and quadratic systems, inequalities, operations on real numbers and polynomials, exponents and radicals. Students learn the language of algebra and practice the application of algebraic concepts to real world problems. The Mathematical Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

**Grade Level:** 9-12  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0

**Prerequisite:** None

3102 Algebra I Honors - This course is for students who excelled in middle school mathematics. Course content covers the topics of Algebra I in greater depth and at a faster pace, providing time for enrichment through the study of additional performance objectives. Students must successfully meet district and teacher expectations in the completion of honors criteria each grading period. Honors criteria activities may involve complex problem-solving research involving reading/writing, investigations and explorations, advanced use of technology, and making connections within the discipline and to the workplace.

**Grade Level:** 9-12  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0

**Prerequisite:** None

31083A / 31084B Geometry A and Geometry B - This two term course is a survey of the fundamental and advanced concepts of plane geometry and the related topics in three-dimensional, coordinate and transformational geometry. The fundamental purpose of the course in Geometry is to formalize and extend students’ geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Mathematical Practice Standards apply throughout this course and, together with the content standards, allow students to experience mathematics as a coherent, useful, and logical subject that capitalizes on their ability to make sense of problem situations.

**Grade Level:** 9-12  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0

**Prerequisite:** Algebra I and approval by school team

**Maximum Credit:** 2.0*  
*Students will earn elective credit only for Geometry A. The math credit is awarded with the B course. Students must complete both the A and B course within the same academic year. Students with qualifying disabilities as documented in the IEP may earn math credit for Geometry A.

3108 Geometry - This course is a survey of the fundamental and advanced concepts of plane geometry and the related topics in three-dimensional, coordinate and transformational geometry. The fundamental purpose of the course in Geometry is to formalize and extend students’ geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Mathematical Practice Standards apply throughout this course and, together with the content standards, allow students to experience mathematics as a coherent, useful, and logical subject that capitalizes on their ability to make sense of problem situations.

**Grade Level:** 9-12  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0

**Prerequisite:** Algebra I

3108 Geometry Honors - This course teaches all topics of Geometry at a significantly faster pace, in greater depth, and with supplemental topics. Strong analytical thinking skills beyond the rigor of algebraic computation are essential for this course which strongly emphasizes the concept of proof. Students must successfully meet district and teacher expectations in the completion of honors criteria each grading period. Honors criteria activities may involve complex problem-solving research involving reading/writing, investigations and explorations, advanced use of technology, and making connections within the discipline and to the workplace.

**Grade Level:** 9-12  
**Minimum Credit:** 1.0  
**Maximum Credit:** 1.0

**Prerequisite:** Algebra I

31033A / 31034B Algebra IIA and Algebra IIB - This two-term sequence is designed for students who complete Geometry and are not ready for a semester Algebra II course. These courses will explore and apply concepts, processes, and skills that are essential to successfully completing the high school graduation requirement. The first term is an elective credit and time is spent integrating Algebra I and introductory Algebra II skills. More time is devoted to skill development than is possible in the one-term Algebra II class.

**Grade Level:** 10-12  
**Minimum Credit:** 2.0

**Maximum Credit:** 2.0*  
*Students will earn elective credit only for Algebra IIA. The math credit is awarded with the IIB course. Students must complete both the IIA and IIB course within the same academic year.
3103 Algebra II - This course builds on the previous work with linear, quadratic, and exponential functions. Students extend their repertoire of functions to include polynomial, rational, and radical functions. In this course rational functions are limited to those whose numerators are of degree at most one and denominators of degree at most two; radical functions are limited to square roots or cube roots of at most quadratic polynomials. Students work closely with the expressions that define the functions, and continue to expand their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Grade Level: 9-12  Prerequisite: Algebra I  Minimum Credit: 1.0  Maximum Credit: 1.0

3103 Algebra II Honors - This course teaches all topics of Algebra II at a significantly faster pace, in greater depth, and with supplemental topics. Strong analytical thinking skills beyond the rigors of algebraic computation are essential for this course, which strongly emphasizes the concept of proof. Students must successfully meet district and teacher expectations in the completion of honors criteria each grading period. Honors criteria activities may involve complex problem-solving research involving reading/writing, investigations and explorations, advanced use of technology, and making connections within the discipline and to the workplace.

Grade Level: 9-12  Prerequisite: Algebra I  Minimum Credit: 1.0  Maximum Credit: 1.0

3121 Mathematics Intervention - This elective course is designed to support students’ learning of the mathematical skills necessary to be successful in high school mathematics courses.

Grade Level: 9, 10, 11, 12  Prerequisite: Must receive approval by school team  Minimum Credit: 1.0  Maximum Credit: 3.0

3181 Bridge Math - This course is designed to introduce concepts previously studied in a new approach. Connections will be made between concepts allowing for a more in-depth understanding of topics and for problem solving applications. Students will look at multiple representations of concepts, blend their new understanding of topics with applications, and have the opportunity to model contextual situations. Concepts to study will include linear and quadratic functions, similar triangles and proportions, angle properties, scientific notations, polynomial arithmetic, radical expressions and probability. **This course is required for students who score below 19 on the Math portion of the ACT.**

Grade Level: 12  Prerequisite: Algebra I, Geometry, and Algebra II  Minimum Credit: 1.0  Maximum Credit: 1.0

3183 Applied Mathematical Concepts - The primary foci of this course are applications and modeling using mathematics in topics such as counting, combinatorics, and probability, financial math, and linear programming. In addition, students will explore concepts in logic, as well as analyze data and use of normal probability distribution and confidence intervals. Students will gain understanding and critical thinking skills that are necessary to be truly college and career ready. In order for our students to be mathematically proficient, standards focus on a balanced development of conceptual understanding, procedural fluency, and application. Through this balance, students gain understanding and critical thinking skills that are necessary to be truly college and career ready.

Grade Level: 12  Prerequisite: Algebra I, Geometry, and Algebra II  Minimum Credit: 1.0  Maximum Credit: 1.0

3126 Pre-Calculus Honors - This course combines topics from areas of higher mathematics, including trigonometry, complex numbers, and analytical geometry, sequences and series, probability, exponential and logarithmic functions, graphs, and vectors. Students who successfully complete this sequence will have a strong background for the first-year Calculus sequence. Students must successfully meet district and teacher expectations in the completion of honors criteria each quarter. Honors criteria activities may involve complex problem-solving research involving reading/writing, investigations and explorations, advanced use of technology, and making connections within the discipline and to the workplace.

Grade Level: 10-12  Prerequisite: Algebra I, Geometry, and Algebra II  Minimum Credit: 1.0  Maximum Credit: 1.0

3126 Pre-Advanced Placement Calculus - This course combines topics from areas of higher mathematics, including trigonometry, complex numbers, and analytical geometry, sequences and series, probability, exponential and logarithmic functions, graphs, and vectors. In addition, this course is designed to bridge students’ understanding of pre-calculus concepts to the study of differential and integral calculus in Calculus AB AP.

Grade Level: 10-12  Prerequisite: Algebra I, Geometry, and Algebra II  Minimum Credit: 1.0  Maximum Credit: 1.0
3127 Calculus AB AP - This course is devoted mainly to the topics in differential and integral calculus. The scope of the course follows the topics listed in the College Board Advanced Placement Mathematics Course Description. Successful completion of this course will prepare students to take the AP exam with the possibility of earning college credit.  
Grade Level: 11-12  Prerequisite: Honors Pre-Calculus or Pre-AP Calculus  Minimum Credit: 1.0  Maximum Credit: 1.0

3136 Statistics - This course introduces students to the basic concepts of both descriptive and inferential statistics. Topics include collecting, displaying, interpreting, and analyzing data; surveys and experimental design; drawing conclusions about a population from a sample and predicting with data. Students must have a good understanding of equation solving and be comfortable working with functions and their graphs.  
Grade Level: 11-12  Prerequisite: Algebra II  Minimum Credit: 1.0  Maximum Credit: 1.0

3129 Statistics AP - This course introduces students to the major concepts and processes of collecting/analyzing data and making inferences for a population from a sample. A good command of concepts of equation solving and working with functions and their graphs is essential. Students must quickly master computational skills and apply higher-order thinking skills. This course follows the topics listed in the College Board Advanced Placement course description. Successful completion of this course will prepare students to take the AP exam with the possibility of earning college credit.  
Grade Level: 11-12  Prerequisite: Algebra II  Minimum Credit: 1.0  Maximum Credit: 1.0

6193MS ACT Review Mathematics and Science Reasoning - This course provides students with skills and competencies needed to be successful on the Mathematics ACT. Students will become familiar with the format and the scoring of the ACT, cover mathematics standards useful for the ACT, learn test taking skills, and receive individualized instruction to improve scores.  
Grade Level: 10-12  Prerequisite: Algebra I and Geometry  Minimum Credit: .5  Maximum Credit: 1.0
SCIENCE

**Note:** To satisfy graduation requirements, three (3) credits of science are required which include: Biology, Chemistry or Physics, and one additional lab science. If Physics is used as a fourth year of math, it cannot count as a science credit for graduation purposes. We strongly encourage students to take a science course each year.

**Students with qualifying disabilities as documented in the IEP are required to complete Biology and two other lab sciences through one of the following four science pathways:**

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<th>Option 1</th>
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<td>Physical Science or Agriscience</td>
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<td>Biology I A</td>
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<td>Biology I B</td>
<td>Ecology or Other Lab Science</td>
<td>Chemistry OR Physics</td>
<td>Ecology or Other Lab Science</td>
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**3202 Physical Science** - Physical Science is a course that explores the relationship between matter and energy. It is an introduction to both chemistry and physics, with one quarter spent on each of those areas. Students will investigate the structure and properties of matter, interactions of matter, force and motion, and energy. Hands-on laboratory investigations, individual studies, and group activities will be used to help students learn the content. This course provides the foundation for studies in chemistry and physics.

**Grade Level:** 9 – 10
**Prerequisite:** None
**Minimum Credit:** 1.0
**Maximum Credit:** 1.0

**5957 Agriscience** - Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. It serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster. The content area covers ecology, biological processes, sexual and asexual reproduction and the 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.

**Grade Level:** 9
**Prerequisite:** None
**Minimum Credit:** 1.0
**Maximum Credit:** 1.0

**5957 Agriscience Honors** - Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. It serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster. The content area covers ecology, biological processes, sexual and asexual reproduction and the 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. Students must successfully meet district and teacher expectations in the completion of honors criteria each quarter.

**Grade Level:** 9
**Prerequisite:** None
**Minimum Credit:** 1.0
**Maximum Credit:** 1.0

**32103A / 32104B Biology IA & Biology IB** - This two term course sequence introduces students to the world of living things, including basic life processes at the molecular, cellular, systemic, organisms, and ecological levels of organizations within the biosphere; interdependence and interactions within the environment to include relationships, behavior, and population dynamics; cultural and historical scientific contributions of men and women; evidence that supports biological evolution; and current and future technologies. Students will investigate the world around them and will develop the knowledge, prerequisite skills, and habits of mind needed for daily living and ethical decision making on issues including biotechnology and the environment, as well as provide a background for advanced biological studies and personal career choices.

**Grade Level:** 9
**Prerequisite:** Must receive approval by school team
**Minimum Credit:** 1.0
**Maximum Credit:** 2.0*

* Students will earn elective credit only for Biology IA. The science credit is awarded with successful completion of the Biology IB course. Students with qualifying disabilities as documented in the IEP may earn science credit for Biology IA.
3210 Biology I - Biology is the study of living organisms. Students will investigate the following: cells, interactions, photosynthesis and respiration, genetics, diversity of organisms, and biological evolution. The course will be taught with an emphasis on hands-on learning, laboratories, technology and relevancy to major life issues and career choices. The labs will include dissection. Students will take the state End of Course exam at the conclusion of the course which will count 25% of the student's semester grade.

Grade Level: 9-10  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

3210 Biology I Honors - This is a more in-depth study of topics presented in biology. Students will be asked to integrate scientific facts into abstract processes. Students must successfully meet district and teacher expectations in the completion of honors criteria each quarter. Students will take the state End of Course exam at the conclusion of the course, which will count 25% of the student's semester grade.

Grade Level: 9-10  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

3216 Pre-AP Biology - This is a laboratory science course in which students engage in an in-depth study of the principles of biology. This course emphasizes internal and external anatomical structures and their functions, the environmental interaction of organisms, processes of living things, mechanisms that maintain homeostasis, biodiversity, and changes in life forms over time. Students explore biological concepts through an inquiry approach.

Grade Level: 10-11  Prerequisite: Biology I  Minimum Credit: 1.0  Maximum Credit: 1.0

3217 Biology AP - The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. Students study the evolution of living systems from molecular, cellular, organismal, and population levels. Specific topics include biochemistry, structure and function of organelles and cells, energy transformation in photosynthesis and respiration, the development of the chromosomal theory of inheritance, the regulation of the prokaryotic and eukaryotic genomes, biotechnology and society and mechanisms of evolution. It will prepare students to think critically about the rapidly changing field of biology. The laboratory component is equivalent to a typical college course. Students should be academically motivated with a great desire to learn the sciences.

Grade Level: 10-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

3221 Chemistry I - Chemistry I is a course that explores the properties of substances and the changes that substances undergo. Topics concentrate on three main areas: qualitative laboratory experiments; general problem solving techniques; and the Atomic Theory of Matter. Students gain an understanding of nomenclature, processes in terms of molecules, and laboratory techniques. Students will investigate atomic structure, properties of matter and energy, interactions of matter, properties of solutions, and acids and bases. This course will be taught with an emphasis on hands-on laboratory investigations and integration of technology as much as possible. The course also emphasizes problem-solving and uses many algebraic math skills.

Grade Level: 10-12  Prerequisite: Algebra I and Algebra II or concurrent enrollment in Algebra  Minimum Credit: 1.0  Maximum Credit: 1.0

3221 Chemistry I Honors - Chemistry Honors is designed for students who have some background in atomic structure and writing chemical formulas and equations. Topics covered include reaction prediction, moles, stoichiometry, gas laws, atomic and molecular structure, solutions, thermodynamics, and acid-based theory. Chemistry is a math-based science course involving mathematical application, as well as abstract thinking skills and problem solving. Strong math and analytical thinking skills are required. It is strongly recommended that students be enrolled in honors math classes. Students must successfully meet district and teacher expectations in the completion of honors criteria each quarter.

Grade Level: 10-12  Prerequisite: Algebra I and Algebra II or concurrent enrollment in Algebra II  Minimum Credit: 1.0  Maximum Credit: 1.0

3224PA Pre-AP Chemistry - An accelerated laboratory based course that builds on topics introduced in Chemistry I. This course investigates chemical bonding and how the kinetic molecular theory and intermolecular forces explain the physical and chemical characteristics of matter. Additional aspects of chemical reactions including limiting reactants, percent yield, equilibrium, reaction rates, and thermochemistry are considered. Students explore chemistry concepts through an inquiry-based approach. Embedded standards for inquiry, mathematics and Technology & Engineering are taught in the context standards for Structure of Matter, States of Matter, and Reactions. This class is designed to prepare students for the rigors of AP Chemistry.

Grade Level: 11-12  Prerequisite: Chemistry I or Honors Chemistry I, Algebra II (may be taken concurrently)  Minimum Credit: 1.0  Maximum Credit: 1.0
3225 Chemistry AP - The AP Chemistry course is designed to be the equivalent of the general chemistry course, usually taken during the first college year. It is designed to be taken by students after successful completion of Chemistry Honors and Pre-Calculus. Chemistry AP provides students with a general understanding of the structure of matter and its interactions. Specific topics covered are atomic theory, stoichiometry, thermochemistry, the electronic structure of atoms, gas laws, ionic reactions, reactions rates, chemical equilibria, introductory thermodynamics and electrochemistry. The laboratory component is equivalent to a typical college course. Students should be academically motivated with a great desire to learn the sciences. Extended time required (homeroom, afterschool, study hall, etc.) as per College Board. Students will be preparing to take the College Board AP exam in May for the chance of earning college credit.

Grade Level: 11-12  
Prerequisite: Pre-AP Chemistry, Algebra II (may be taken concurrently)

Minimum Credit: 1.0  
Maximum Credit: 1.0

5961 Veterinary Science Honor - This course satisfies one laboratory science credit. Veterinary Science is an advanced course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and additional industry-related career and leadership knowledge and skills.

Grade Level: 10-12  
Prerequisite: Agriscience or Small Animal Science

Minimum Credit: 1.0

3251 Human Anatomy and Physiology Honors - This is an advanced study of human anatomy and physiology including numerous lab dissections, microscopic techniques and exercises using various types of lab equipment. Students will investigate anatomical orientation, and systems related to the following themes: protection, support and movement, integration and regulation, transportation, absorption and excretion, and reproduction, growth and development. This course is designed for students interested in health and medical careers. Dissection is required. This course covers the elements of Anatomy and Physiology with additional open-ended investigations, outside reading, and opportunities for critical analysis and application.

Grade Level: 11-12  
Prerequisite: Biology

Minimum Credit: 1.0  
Maximum Credit: 1.0

3231 Physics I Honors - Physics Honors is a course that studies the interaction between matter and energy. Topics include mechanics, thermodynamics, waves and sound, light and optics, electricity and magnetism, and atomic and nuclear physics. Physics is a math-based course that involves the application of mathematical principles and problem solving, graph interpretation, laboratories, and lab reporting. Strong math and analytical thinking skills are important. There is much more emphasis on mathematics than standard physics. Students must successfully meet district and teacher expectations in the completion of honors criteria each quarter.

Grade Level: 11-12  
Prerequisite: Geometry and Algebra II (may be taken concurrently)

Minimum Credit: 1.0  
Maximum Credit: 1.0

3238 Physics 1 AP - Physics 1 AP is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. No prior course work in physics is necessary for students to enroll in AP Physics 1. Students should have completed geometry and be concurrently taking Algebra II or an equivalent course. Although the AP Physics I course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics I course itself.

Grade Level: 10-12  
Prerequisite: Algebra II and Pre-calculus (may be taken concurrently)

Minimum Credit: 1.0  
Maximum Credit: 1.0
SOCIAL STUDIES

Note: In order to satisfy graduation requirements, students must earn 1 credit in U.S. History and Geography, 1 credit in Economics, 1 credit in U.S. Government and Civics, 1 credit in Personal Finance, and 1 credit from the following: World History and Geography, World History AP, Human Geography AP, or European History AP.

3415 World History and Geography - This course is a comprehensive study of the progression of humans throughout the history of the leading civilizations of the world. Students will learn about the origins and consequences of the great military, economic and cultural events of the past centuries. Topics of study include the Renaissance, the Reformation, the rise of modern states, monarchies, the Enlightenment, revolution, WWI and WWII and its aftermath.

Grade Level: 9-10 Prerequisite: None Minimum Credit: 1.0 Maximum Credit: 1.0

3415PA Pre-Advanced Placement World History and Geography - A more rigorous approach to learning is associated with this course. Students will be expected to think, read and write critically and analytically. This course is a comprehensive study of the progression of humans throughout the history of the leading civilizations of the world. Students will learn about the origins and consequences of the great military, economic and cultural events of the past centuries. Topics of study include the Renaissance, the Reformation, the rise of modern states, monarchies, the Enlightenment, revolution, WWI and WWII and its aftermath. This course is designed to prepare students for the rigorous study of AP World History, AP European History, or AP Human Geography.

Grade Level: 9-10 Prerequisite: None Minimum Credit: 1.0 Maximum Credit: 1.0

3450 Human Geography AP - Rigorous and challenging classwork with a strong emphasis on extensive reading, writing and research skills is associated with this college-level course. AP level classes require more independent practice and outside reading than Honors level classes. Coursework requirements are guided by the College Board, therefore; students enrolled in this course may take the College Board Advanced Placement Exam in May. Human Geography AP introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth’s surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Additionally, students will learn about the methods and tools geographers use in their science and practice.

Grade Level: 9-12 Prerequisite: None Minimum Credit: 1.0 Maximum Credit: 1.0

3449 World History AP - Rigorous and challenging classwork with a strong emphasis on extensive reading, writing and research skills is associated with this college-level course. AP level classes require more independent practice and outside reading than Honors level classes. Coursework requirements are guided by the College Board, therefore; students enrolled in this course may take the College Board Advanced Placement Exam in May. World History AP is a comprehensive study of the progression of humans throughout the history of the leading civilizations of the world. Students will learn about the origins and consequences of the great military, economic and cultural events of the past centuries. Topics of study include the Renaissance, the Reformation, the rise of modern states, monarchies, the Enlightenment, revolution, WWI and WWII and its aftermath.

Grade Level: 9-12 Prerequisite: None Minimum Credit: 1.0 Maximum Credit: 1.0

3441 European History AP - Rigorous and challenging classwork with a strong emphasis on extensive reading, writing and research skills is associated with this college-level course. AP level classes require more independent practice and outside reading than Honors level classes. Coursework requirements are guided by the College Board, therefore; students enrolled in this course may take the College Board Advanced Placement Exam in May. European History AP focuses on political, economic and social events from the 14th century to the present. This course will allow students to develop an understanding of the principal themes in modern European history. Students will be able to analyze and interpret historical evidence and express historical understanding in writing.

Grade Level: 9-12 Prerequisite: None Minimum Credit: 1.0 Maximum Credit: 1.0

3416 United States History and Geography - In this course, students will learn the fundamental concepts in civics, economics, and geography within the context of United States history. Topics of study include: the Industrial Revolution, America’s growing role in world diplomatic relations, World War I, the Progressive Era, the Great Depression, WWII, the Cold War, Civil Rights, the Vietnam War Era, Watergate, and recent events and trends that have shaped modern-day America. Finally, students will focus on current human and physical geographic issues important in contemporary America and the global society. The reading of primary source documents is a key feature of United States history standards.

Grade Level: 11 Prerequisite: World History Minimum Credit: 1.0 Maximum Credit: 1.0

3416H United States History and Geography Honors - A more rigorous approach to learning is associated with this Honors level course. Students will be expected to think, read and write critically and analytically. Students enrolled in Honors level courses are required to complete district and/or honors criteria. This course is the study of the fundamental concepts in civics, economics, and geography within the context of United States history. Topics of study include: The Industrial Revolution, America’s growing role in world diplomatic relations, World War I, the Progressive Era, the Great Depression, WWII, the Cold War, Civil Rights, the Vietnam War Era, Watergate, and recent events and trends that have shaped modern-day America. Finally, students will focus on
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3440 United States History AP - Rigorous and challenging classwork with a strong emphasis on extensive reading, writing and research skills is associated with this college-level course. AP level classes require more independent practice and outside reading than Honors level classes. Coursework requirements are guided by the College Board, therefore; students enrolled in this course may take the College Board Advanced Placement Exam in May. US History AP integrates biographical, economic, social, political and cultural perspectives of American history from the Age of Exploration to the present. Students will be required to master the following historical skills: chronological reasoning, comparison and contextualization, creating arguments from evidence and interpretation and synthesis.

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3417 United States Government and Civics - This course will focus on the study of the purposes, principles, and practices of American government and the study of the U.S. Constitution. Students will also study our state’s government structure and the various local governments in Tennessee. While emphasis is placed on the study of federalism, students will also learn about the rights and responsibilities of citizens. The reading of primary source documents is a key feature of this course.

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3445 United States Government and Politics AP - Rigorous and challenging classwork with a strong emphasis on extensive reading, writing and research skills is associated with this college-level course. AP level classes require more independent practice and outside reading than Honors level classes. Coursework requirements are guided by the College Board, therefore; students enrolled in this course may take the College Board Advanced Placement Exam in May. Comparative Government and Politics AP is an elective semester course which gives the students analytical perspective on government and politics from around the world. It includes both the study of general concepts to interpret government actions and structures as well as the level of participation citizens have within their government. The course focuses on the analysis of six major countries as case studies: China, Iran, Mexico, Nigeria, Russia, United Kingdom of Great Britain.

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3446 States Government and Politics Comparative AP - Rigorous and challenging classwork with a strong emphasis on extensive reading, writing and research skills is associated with this college-level course. AP level classes require more independent practice and outside reading than Honors level classes. Coursework requirements are guided by the College Board, therefore; students enrolled in this course may take the College Board Advanced Placement Exam in May. Comparative Government and Politics AP is an elective semester course which gives the students analytical perspective on government and politics from around the world. It includes both the study of general concepts to interpret government actions and structures as well as the level of participation citizens have within their government. This course focuses on the analysis of six major countries as case studies: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom of Great Britain. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes.

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3431 Economics - This course examines the allocation of scarce resources and the economic reasoning used by government agencies and by people as consumers, producers, savers, investors, workers, and voters. Key elements of the course include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade. Students will examine the key economic philosophies and economists who have influenced the economies around the world in the past and present. The reading of primary source documents is a key feature of this course.

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3443 Microeconomics AP - Rigorous and challenging classwork with a strong emphasis on extensive reading, writing and research skills is associated with this college-level course. AP level classes require more independent practice and outside reading than Honors level classes. Coursework requirements are guided by the College Board, therefore; students enrolled in this course may take the College Board Advanced Placement Exam in May. Microeconomics AP provides students with a thorough understanding of the principles of economics as they apply to individual decision-making units, including individual households and firms. Students will consider instances in which private markets may fail to allocate resources efficiently and examine various public policy alternatives aimed at improving the efficiency of private markets.

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<td>U.S. History</td>
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3444 Macroeconomics AP - Rigorous and challenging classwork with a strong emphasis on extensive reading, writing and research skills is associated with this college-level course. AP level classes require more independent practice and outside reading than Honors level classes. Coursework requirements are guided by the College Board, therefore; students enrolled in this course may take the College Board Advanced Placement Exam in May. Macroeconomics AP is the study of the principles of economics that
apply to an economic system as a whole with emphasis on the study of national income, economic performance measures, the financial sector and international economics.

**Grade Level:** 12  **Prerequisite:** U.S. History  **Minimum Credit:** 1.0  **Maximum Credit:** 1.0

**3496 Personal Finance** - This course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. This course will provide a foundational understanding for making informed personal financial decisions.

**Grade Level:** 10-12  **Prerequisite:** None  **Minimum Credit:** .5  **Maximum Credit:** 1.0

**3452 Bible** - This elective course will enable students to acquire an understanding of the Bible’s major ideas as well as its impact on the world’s religions, cultures and societies. The Bible will also be studied in its historical, sociological, and cultural contexts.

**Grade Level:** 11-12  **Prerequisite:** None  **Minimum Credit:** 1.0  **Maximum Credit:** 1.0

**3442 African American History** – This elective course examines the life and contributions of African Americans from the early 1600’s through modern America. Students will explore the issue of slavery, segregation, and discrimination prior to and following the Civil War. Additional topics will include the conditions and contributions of African Americans during WWI, the Great Depression, and WWII. Students will examine the successes and failures of the Civil Rights Movement and consider issues confronting contemporary African Americans. In addition, this course offers a unique perspective of influential African American Tennesseans from the past and present.

**Grade Level:** 10-12  **Prerequisite:** None  **Minimum Credit:** 1.0  **Maximum Credit:** 1.0

**3435 Contemporary Issues** - Students will use inquiry skills to examine the issues that impact the contemporary world. Included in the course will be analysis of the historical, cultural, economic, and geographic factors that have raised certain issues to levels of concern in our nation and around the globe. Students will engage in research and problem solving in order to better understand and assess significant current issues.

**Grade Level:** 10-12  **Prerequisite:** None  **Minimum Credit:** .5  **Maximum Credit:** 1.0

**(Course Code TBD) Tennessee History** - Students will examine the history of Tennessee, including the cultural, geographic, economic, and political influences upon that history. Students will discuss Tennessee’s indigenous peoples as well as the arrival of Euro-American settlers. Students will analyze and describe the foundation of the state of Tennessee. Students will identify and explain the origins, impact, and aftermath of the Civil War. Students will discuss the rise of a manufacturing economy. Students will examine and discuss the Civil Rights Movement and Tennessee’s modern economy and society.

**Grade Level:** 10-12  **Prerequisite:** None  **Minimum Credit:** .5  **Maximum Credit:** 1.0
WORLD LANGUAGE

Note: In order to satisfy graduation requirements, a student must complete two years of the same foreign language. In certain extraordinary circumstances the student may seek approval to have his/her foreign language requirement waived in order for him/her to expand and enhance his/her chosen elective focus.

3021 Spanish I - Students develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills (listening, speaking, writing and reading) with an emphasis on the ability to communicate orally and in writing. Students explore the similarities and differences between American culture and that of the Spanish-speaking world. This interactive course employs a variety of teaching methods and daily participation and study are required.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

3021H Spanish I Honors - Students develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills (listening, speaking, writing and reading). Classroom interactions are increasingly conducted in the target language as skills progress. Students explore the similarities and differences between American culture and that of the Spanish-speaking world. This interactive course employs a variety of teaching methods and daily participation and study are required. Students enrolled in Honors level courses are required to complete district and/or honors criteria.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

3022 Spanish II - Students continue to develop proficiency in all four language skills (listening, speaking, reading and writing) with an emphasis on the ability to communicate orally and in writing. They learn to function in real-life situations using more complex sentences and language structures. Students will read material on familiar topics and produce short writing samples, such as journals and summaries. Students will continue to build their cultural competency of the Spanish-speaking world. This interactive course employs a variety of teaching methods and daily participation and study are required.

Grade Level: 10-12  Prerequisite: Spanish I  Minimum Credit: 1.0  Maximum Credit: 1.0

3022H Spanish II Honors - Students continue to develop proficiency in all four language skills (listening, speaking, reading and writing). They will significantly expand their vocabulary in the target language while learning to function in real-life situations using more complex sentences and language structures. Students will read material on familiar topics and produce short writing samples, such as essays, journals and summaries. Classroom interactions are increasingly conducted in the target language as their skills progress. Students will continue to build their cultural competency of the Spanish-speaking world. This interactive course employs a variety of teaching methods and daily participation and study are required. Students enrolled in Honors level courses are required to complete district and/or honors criteria.

Grade Level: 10-12  Prerequisite: Spanish II  Minimum Credit: 1.0  Maximum Credit: 1.0

3023H Spanish III Honors - Students continue to develop proficiency in all four language skills (listening, speaking, reading and writing). They communicate using increasingly complex language structures on a wide variety of topics, moving from concrete to more abstract concepts. At this level, students gain a deeper understanding of the Spanish speaking world by experiencing authentic materials, such as news broadcasts, magazine articles and websites. Students will be able to identify and summarize significant details of what they read and hear when the topics are familiar. Classroom interactions are conducted in the target language. This interactive course employs a variety of teaching methods and daily participation and study are required. Students enrolled in Honors level courses are required to complete district and/or honors criteria.

Grade Level: 10-12  Prerequisite: Spanish II  Minimum Credit: 1.0  Maximum Credit: 1.0

3025 Spanish Language and Culture AP - Spanish Language and Culture AP is a college level course designed for students who have demonstrated a mastery of advanced conversation and language concepts. Students engage in activities that encourage the development of all four language skills (listening, speaking, reading and writing) through exposure to a variety of authentic text and audio sources based on the themes dictated by the College Board. All students make take the AP Exam in May.

Grade Level: 11-12  Prerequisite: Spanish III  Minimum Credit: 1.0  Maximum Credit: 1.0
 PHYSICAL EDUCATION

Note: To meet the requirements for graduation, a student must complete 1.0 credit in Lifetime Wellness and 1 credit in an elective physical education course. A student may earn no more than a total of 8 P.E./Wellness credits. The 1 Physical Education requirement may be met by substituting a documented and equivalent time of physical activity in marching band, JROTC, cheerleading, dance team, or TSSAA interscholastic athletics.

3303 Lifetime Wellness - This course is required for graduation and recommended for grade 9. Lifetime Wellness is a course that develops positive concepts toward an active, healthy lifestyle. Physical fitness activities such as aerobics, line-dancing, volleyball, badminton, table tennis, basketball, indoor/outdoor fitness games, etc. comprise units in the class structure that require students to dress appropriately in order to perform the activities. Classroom units covering disease prevention, mental health, stress management, nutrition, drug/alcohol/tobacco prevention, first aid/CPR, and human sexuality are included in this course.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

3301 Physical Education I - This course is designed to introduce the students to the fundamentals of specific individual and team sports which include skills, rules, and game strategy. There will also be non-competitive educational gymnastics, dance, weightlifting, aerobic, and anaerobic training.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

3302 Physical Education II – In this course students are expected to attain a proficient level in specific individual and team sports which will include skills, rules, and game strategy. There will also be non-competitive educational dance, weightlifting, aerobic, and anaerobic training.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: .5  Maximum Credit: 1.0

3002W1 Physical Education II WI - The course includes intense weight training at a high tempo that will progressively increase in difficulty. Included in this class will be power training exercises, stretching, calisthenics, running for speed development, stations to develop quickness, and plyometrics. Proper techniques and safety will be emphasized to prevent injuries. The course will also teach the location and movement provided by the major muscle groups.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 2.0

3002W2 Physical Education II WII - The course includes intense weight training at a high tempo that will progressively increase in difficulty. Included in this class will be power training exercises, stretching, calisthenics, running for speed development, stations to develop quickness, and plyometrics. Proper techniques and safety will be emphasized to prevent injuries. The course will also teach the location and movement provided by the major muscle groups.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 2.0

3002W3 Physical Education II WIII - The course includes intense weight training at a high tempo that will progressively increase in difficulty. Included in this class will be power training exercises, stretching, calisthenics, running for speed development, stations to develop quickness, and plyometrics. Proper techniques and safety will be emphasized to prevent injuries. The course will also teach the location and movement provided by the major muscle groups.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 2.0
FINE ARTS

Note: In order to meet graduation requirements, a student must earn 1.0 credit in a fine arts class.

3501 Visual Art I - This course offers students studio experiences in drawing, painting, and two-and three dimensional design with an emphasis on art elements. It is based on the National Standards for Art Education: understanding and applying media, techniques and processes; using knowledge of structures and functions; choosing and evaluating a range of subject matter, symbols and ideas; understanding the visual arts in relation to history and cultures; reflecting upon and assessing the characteristics and merits of their work and the work of others; and making connections between visual arts and other disciplines. In addition, students will learn the basics of art history and read and write art critiques.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

3502 Visual Art II - Students will focus their art studies on 2-dimensional media, most specifically observational drawing and painting. Projects will also include printmaking and mixed media. Art History, note taking, reading, writing, art criticism, and maintaining a productive sketchbook are also part of the curriculum.

Grade Level: 9-12  Prerequisite: Visual Art I  Minimum Credit: 1.0  Maximum Credit: 1.0

3503 Visual Art III: Honors - Students will continue their study of and refine their skills in observational drawing and painting, while also creating prints and mixed media works. Independent study will become more critical during the second semester, as students prepare for AP Studio Art. Art History, note taking, reading, writing, art criticism, and maintaining a productive sketchbook are also part of the curriculum. The honors curriculum requires a higher proficiency in art creation and significant independent study. As part of the Honors requirement, students must complete an Honors Portfolio component each quarter which may involve complex problem-solving, research involving reading/writing, investigations and explorations, advanced use of technology, and making connections within the discipline and to the workplace.

Grade Level: 10-1  Prerequisite: Visual Art II  Minimum Credit: 1.0  Maximum Credit: 1.0

3515 Art History - Visual Art History is a course where students will demonstrate an understanding of the unique properties and potential of materials and media used in art and/or architecture. Students will research types of media, techniques, and processes used in select works and/or by select artists or architects, investigate how the design, technique, and material of a chosen work influences its function, structure, shape, or appearance; evaluate a range of subject matter, symbols, and ideas; understand the visual arts in relationship to history and cultures, and reflect upon and assess the characteristics and merits of works of art.

Grade Level: 12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

3530MC / 3530 Instrumental Music (Marching/Concert Band)
An organized class that provides musical performance and study. The course is designed to develop proficiency in musical performance, an understanding of the art of music, and an appreciation of the creative and intrinsic values of music which can result in a life-long vocation/avocation. Participation in school and public performances required.

Grade Level: 9-12  Prerequisite: One year of band experience  Minimum Credit: 1.0  Maximum Credit: 8.0

0995 Vocal Music (Chorus/Choir) - Multi-age vocal music classes are traditional choral ensembles offered in 9th-12th grade. Students will study proper vocal technique and choral singing, music theory and history as well as participating in public performances throughout the year. Specific courses vary from school to school based on student enrollment. Examples include, but are not limited to: Beginning Choir, Concert Choir, Men's Choir, Women's Choir, Chamber Choir, Select Choir, and Jazz Choir. Some classes may include a prerequisite, teacher recommendation, and/or audition.

Grade Level: 9-12  Prerequisite: Course-dependent  Minimum Credit: 1.0  Maximum Credit: 8.0

3520 Theater Arts I - This course is an overview of all aspects of theatre. Students will study both performance and non-performance facets of theatre including theater terminology, introductory theatre history, fundamentals of acting, and acting styles. Students will gain experience in speaking and acting. Time outside of class is required to fulfill the obligations of this course.

Grade Level: 9-12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 2.0

3521 Theater Arts II - In this course, students will focus on the history of theatre and a more in-depth acting experience. They will study and perform one-act plays, as well as various scenes from the different historical genres. The course will emphasize the process of acting: auditions, rehearsals, relaxation techniques, dialogue, character analysis, and the production process. Time outside of class is required to fulfill the obligations of this course.

Grade Level: 10-12  Prerequisite: Theater I  Minimum Credit: 1.0  Maximum Credit: 2.0

3522 Theater Arts III - In this course, students will study more in depth the various acting techniques and exercises available to professional actors. Students will take a more involved role in production with attention to directing, theatre safety, polishing acting skills, resumes, and all of the other aspects of theatre that support a full-scale performance. Considerable time outside of class is required to fulfill the obligations of this course.

Grade Level: 11-12  Prerequisite: Theater II  Minimum Credit: 1.0  Maximum Credit: 2.0
3523 Theater IV - Theatre IV is designed as preparation for students who are seriously considering a post-secondary study of theatre or a career involving theatre. Students will have intense training in play analysis, and do in-depth study of theatre. They will assume leadership and responsibility for technical and production aspects of theatre in presentations. Considerable time outside of class is required to fulfill the obligations of this course.

Grade Level: 12  Prerequisite: Theater III  Minimum Credit: 1.0  Maximum Credit: 2.0

OTHER APPROVED COURSES

3499 Nature and Needs of Exceptional Learners - Offers students not only the opportunity to teach, but also the opportunity to learn from students with disabilities and to shape positive attitudes about these persons. Students in this course will have the opportunity to develop teaching skills, practice academic and social skills, become advocates and learn valuable advocacy skills, and explore realistic career opportunities.

Grade Level: 11-12  Prerequisite: None  Teacher Recommendation Needed: Yes
Minimum Credit: 1.0  Maximum Credit: 2.0

9350 Seminar - This course is designed to assist students in making a successful transition from either middle to high school or from high school to post-secondary education. The course will include advanced computer skills, the college admissions process-including the financial aid application and scholarship searches, time management, as well as improving study skills. Students will also have the opportunity to attend a college or university for a day to experience a day in the life of a college student.

Grade Level: 12  Prerequisite: None  Minimum Credit: 1.0  Maximum Credit: 1.0

6104 Success Skills through Service Learning - A program which combines volunteer service and classroom instruction, and provides a comprehensive experiential approach. Focuses on ethical, social, and intellectual skill development of students; development of positive values such as trustworthiness and responsibility; commitment to a task and those involved in the task; collaboration; team-building, punctuality, and respect for the quality of work done while serving the community.

Grade Level: 12  Prerequisite: None  Teacher Recommendation Needed: Yes
Minimum Credit: 1.0  Maximum Credit: 2.0

9408LL / 9408 Learning Lab - This class emphasizes organization, study skills, and core course remediation. Students may receive universal or individualized accommodations in this course to assist them in experiencing success in their core academic courses.

Grade Level: 9, 10, 11, 12  Prerequisite: Must be approved by school team  Minimum Credit: 1.0
Maximum Credit: 8.0

6105WL / 6105 Work-Based Learning - This course allows students to gain on-the-job experience in a job related to their designated elective focus. Students are required to work a minimum of fifteen (15) hours per week or an approved amount of time as determined by a school team. Students are placed and monitored on the job by the cooperative education coordinator.

Grade Level: 11, 12  Prerequisite: Instructor Approval or approval by school team
Minimum Credit: 1.0  Maximum Credit: 2.0
**CAREER TECHNICAL EDUCATION**

All Career Technical Education courses require the passing of safety test(s), and may require a board approved class fee.

**AGRICULTURE, FOOD, & NATURAL RESOURCES**

Students must complete 3 units in the same CTE Focus area in order to complete an elective focus.

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<td>Agriscience*</td>
<td>Small Animal Science</td>
<td>Large Animal Science</td>
<td>Veterinary Sciences* and/or Vet Clinical Internship</td>
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<tr>
<td><strong>Agricultural Engineering and Applied Technologies</strong></td>
<td>Agriscience*</td>
<td>Principles of Agricultural Mechanics</td>
<td>Agricultural Power and Equipment</td>
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<tr>
<td><strong>Agribusiness</strong></td>
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<td><strong>Food Science</strong></td>
<td>Agriscience*</td>
<td>Principles of Food Production</td>
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<tr>
<td><strong>Horticulture Science</strong></td>
<td>Agriscience*</td>
<td>Principles of Plant Science and Hydroculture</td>
<td>Greenhouse Management**</td>
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<tr>
<td><strong>Diversified Agriculture</strong></td>
<td>Agriscience*</td>
<td>Any AFNR course as approved by building level administration</td>
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**Industry Certification**

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**EPSO**

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<td>Horticulture Science</td>
<td>Plant Science (SWDC)</td>
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<tr>
<td>Veterinary and Animal Science</td>
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</table>
(6113) ADVANCED FOOD SCIENCE
A capstone course designed to prepare students for further education and careers in food science and technology. This course covers advanced principles of food science, characteristics and properties of food products, processing and grading techniques and skills, and food labeling and packaging principles.
1 credit, Open to grades 10, 11, and 12. Prerequisite: Agriscience

(5957) AGRISCIENCE
Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. It serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster. The content area covers ecology, biological processes, sexual and asexual reproduction and the 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.
1 credit, Open to grade 9

(5957H) AGRISCIENCE - HONORS
Agriscience consists of standards to prepare students for biology and subsequent sciences for the university bound student. 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.
1 credit, Open to grade 9 only

(5945) AGRICULTURAL POWER AND EQUIPMENT
The course includes basic information and laboratory activities on small engines, tractors, and agricultural equipment maintenance, repair, and overhaul. Standards address competencies for electrical motors, hydraulic system and fuel powered engines.
1 credit, Open to grades 10, 11, and 12, Prerequisite: Principles of Agricultural Mechanics

(5963) AGRICULTURAL AND BIOSYSTEMS ENGINEERING
The class includes basic technologies of metal fabrication and agricultural structures. Also includes hot/cold metal work, and material computation, electric wiring and codes, blueprint reading and drawing and selection of appropriate materials for projects.
1 credit, Open to grades 10, 11, and 12, Prerequisite: Principles of Agricultural Mechanics

(5943H) AGRICULTURAL BUSINESS AND FINANCE HONORS
This course satisfies Personal Finance graduation requirement. Agricultural business/finance contains standards that address the economic principles necessary for a successful business. As technology improves the ability to communicate, market and produce must change in order for industries to remain competitive.
1 credit, Open to grades 11 and 12. This class is also a Dual Credit class. A student must pass an exam to receive Post-Secondary credit.

(6115) FOOD SCIENCE AND SAFETY
An applied-knowledge course designed for students interested in food science. The course covers fundamental principles of food science, food safety and sanitation, foodborne pathogens, and food-related standards and regulations. Upon completion of this course, students will be versed in the technical knowledge and skills necessary for further education and careers in food science.
1 credit, Open to grades 10, 11, and 12, Prerequisite(s): Agriscience

(5954H) GREENHOUSE MANAGEMENT - HONORS
Greenhouse Management provides students with the technical knowledge and skills needed to prepare for further education and careers in horticulture production. This course covers principles of greenhouse structures, plant health and growth, growing media, greenhouse crop selection and propagation, and management techniques. Greenhouse Management is a dual credit course with statewide articulation.
1 credit, Open to grades 11, and 12, Prerequisite(s): Agriscience. This class is also a Dual Credit class. A student must pass an exam to receive Post-Secondary credit.

(5951) LANDSCAPING AND TURF SCIENCE
Landscaping and turf management includes standards to prepare students for creating beautiful environments for homes and businesses. This course includes site analysis and preparation, landscape drawing, plant selection, and installation. Maintenance of healthy attractive landscapes and turf areas will be emphasized. With the increase of urban sprawl these career opportunities are increasing daily. Plant science and leadership skills taught in this class will prepare students to meet the demands of this exciting industry.
1 credit, Open to grades 11, and 12, Prerequisite(s): Agriscience
(6116) LARGE ANIMAL SCIENCE
Course prepares students for a career in animal management. It includes basic knowledge of animal anatomy, nutrition, health, genetics, and animal facilities. Students will explore ways to operate a successful livestock operation.
1 credit, Open to grade 10, 11, and 12, Prerequisite(s): Agriscience or Small Animal Science

(6117) NATURAL RESOURCE MANAGEMENT
This course covers major types of wildlife resources and their management, major types of forest resources and their management, public policy, the role of public education in managing resources, as well as careers as an environmental scientist, conservationist, forester, or wildlife manager.
1 credit, Open to grades 10, 11, and 12.

(5956H) ORGANIZATIONAL LEADERSHIP AND COMMUNICATIONS - HONORS
Leadership and communications analyzes attributes and capabilities of those in leadership positions; to assist students in the development of their communication skills and interpersonal relationships and other related skills. Most jobs are lost or gained because of the leadership and communication ability a person has. Students in this course participate in activities that will assist them in the development of communication and interpersonal skills transferrable to any agribusiness application.
1 credit, Open to grades 11 and 12

(5950) PLANT AND SOIL SCIENCE
Plant and soil science is designed to inquire into the nature of plant growth, crop production, soil characteristics and the environment, through the discovery, interpretation, and creative application of knowledge.
1 credit, Open to grades 11 and 12, Prerequisite(s): Agriscience

(5946) PRINCIPLES OF AGRIBUSINESS
Teaches students to apply the economic and business principles involved in the sale and supply of agricultural products to a wide range of careers across the industry and builds foundational knowledge of finance and marketing principles.
1 credit, Open to grades 10, 11, and 12

(5944) PRINCIPLES OF AGRICULTURAL MECHANICS
Includes standards to prepare students for operational and repair procedures for a shop or a home environment. Students learn basic skills in areas ranging from welding and electricity to land measuring and plumbing.
1 credit, Open to grades 10 and 11

(6118) PRINCIPLES OF FOOD PRODUCTION
Principles of Food Production is an applied course in plant and animal agriculture for students interested in pursuing careers in production agriculture or food science. Students will study principles related to plant and animal structural anatomy, systems physiology, economics of production, genetics and biotechnology, and other management approaches associated with plant and animal production.
1 credit, Grades 10, 11 and 12, Prerequisite(s): Agriscience

(6119) PRINCIPLES OF PLANT SCIENCE AND HYDROCULTURE
This course focuses on standards that challenge students to plan for future food needs using advanced technologies and less space. This course covers principles of plant health, growth, reproduction, and biotechnology, as well as fundamental principles of hydroponics and aquaponics.
1 credit, Open to grade 10

(5958) SMALL ANIMAL SCIENCE
Class contains objectives preparing students for careers in managing and caring for specialty and pet animals. This class will focus on such areas as: parasite control, safe animal restraint, safety in chemical application, calculating dosages, assess the benefit of neutering and spaying, animal rights vs. animal welfare. This course covers anatomy and physiological systems of different groups of small animals, as well as related careers.
1 credit, Open to grades 10, 11, and 12

(5961H) VETERINARY SCIENCE - HONORS
This course satisfies one laboratory science credit. Veterinary Science is an advanced course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and additional industry-related career and leadership knowledge and skills.
1 credit, Open to grade 11, and 12, Prerequisite(s): Agriscience, Small Animal Science and Large Animal Science
This is a capstone class and all of the prerequisites must be met before the student can qualify to take the Tennessee Specific Industry Certification-Animal Science certification test.
(6105) WORK-BASED LEARNING
Students must be enrolled in a CTE or General Education class that is related to their job. Students must maintain school attendance of minimum 90%, passing grades in all courses, and be able to legally drive to jobsite. This course allows students to leave the school campus daily to gain real world occupational experience.
1 credit, Maximum 2 credits. Open to 11 and 12 grade. Admission into this class is by application only. A student must have a 93% attendance rate for the semester immediately preceding enrollment in this class. Their place of employment must correlate to their chosen Elective Focus and a significant portion of the hours worked must be during the normal school day.
**BUSINESS MANAGEMENT & ADMINISTRATION, MARKETING, & FINANCE**

Students must complete 3 units in the same CTE Focus area in order to complete an elective focus. *

### BUSINESS MANAGEMENT

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<tr>
<td>Entrepreneurship</td>
<td>Introduction to Business &amp; Marketing</td>
<td>Marketing and Management I: Principles¹</td>
<td>Marketing and Management II: Advanced Strategies</td>
<td>Business &amp; Entrepreneurship Practicum</td>
</tr>
<tr>
<td>Marketing Management</td>
<td>Introduction to Business &amp; Marketing</td>
<td>Marketing and Management I: Principles¹</td>
<td>Marketing and Management II: Advanced Strategies</td>
<td>Event Planning &amp; Management</td>
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¹Satisfies ½ credit of Economics required for graduation.
Industry Certification

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<td>MOUS Excel</td>
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**(5910) ACCOUNTING I**
Provides students with fundamental accounting skills and theories
1 credit, Grades 10-12

**(5911) ACCOUNTING II**
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.
1 credit, Grades 11-12 Prerequisite: Accounting I

**(5904) ADVANCED COMPUTER APPLICATIONS**
Capstone course provides students with necessary skills in project-based problem-solving using current technologies, and prepares for industry certification in word processing, spreadsheet, and multimedia application using Microsoft Office. This course may articulate for college credit.
1 credit, Grades 10-12 Prerequisite: Computer Applications

**(5904H) ADVANCED COMPUTER APPLICATIONS - HONORS**
This course is designed to develop computer technology skills and basic proficiency in word processing, spreadsheets, databases, and presentations. Students will use a variety of computer software and hardware tools, features of an electronic information network and common software applications. Students will explore the, historical, social and ethical issues of using computer technology. The students will develop skills that will assist them with efficient production; accurate production analysis; management of information and design and presentation of a multimedia project. As an honors course, students will be expected to complete additional reading and production assignments as well as meeting fast-approaching task deadlines.
1 credit, Grades 10-12 Prerequisite: Computer Applications

**(5892 and 5898) AMERICAN BUSINESS LEGAL SYSTEMS/BUSINESS ECONOMICS* **
*THIS COURSE CAN SUBSTITUTE FOR THE ECONOMICS AND GOVERNMENT CREDIT REQUIRED FOR GRADUATION.*
In this class, a student will study the legal framework in which American businesses operate, including the free enterprise system in a democratic society. Students analyze the alliance between capitalism and democracy and the fundamental concepts of the various players in the economic system. Topics covered include the production, marketing, and distribution of goods and services, as well as the roles of financial institutions, the government, and the individual within the free enterprise system. Students will explore various careers related to the economy.
1 credit, Grades 10-12

**([5892H and 5898H]) HONORS AMERICAN BUSINESS LEGAL SYSTEMS/ BUSINESS ECONOMICS* **
*THIS COURSE CAN SUBSTITUTE FOR THE ECONOMICS AND GOVERNMENT CREDIT REQUIRED FOR GRADUATION.*
In this class, a student will study the legal framework in which American businesses operate, including the free enterprise system in a democratic society. Students analyze the alliance between capitalism and democracy and the fundamental concepts of the various players in the economic system. Designed for students interested in acquiring introductory business information for personal use and as an initial course for students planning a career in business. Course content emphasizes consumerism, financial management, insurance, and career opportunities. Additional reading materials and writing assignment maybe required.
1 credit, Grades 10-12

**(5899) BANKING AND FINANCE**
Provides students with real banking and financial situations through partnership with a local financial institution. Course responsibilities include a student-operated enterprise and special projects to help the day-to-day operation of the school facility.
1 credit, Grades 11-12, Placement is by application

**(5888) BUSINESS COMMUNICATIONS**
This course is designed to develop students’ effective oral, written, and electronic communications skills. This course cultivates skills in multiple methods of correspondence, including social media, electronic publishing, design, layout, composition, and conferencing. Upon completion of this course, proficient students will be able to demonstrate successful styles and methods for professional business communications using the proper tools to deliver effective publications and presentations. Students will use a variety of computer software and hardware tools currently used within the industry, with an emphasis on design and digital communication features to present information.
1 credit, Grades 10-12, Pre-requisite: Intro to Business and Marketing
(6159) BUSINESS & ENTREPRENEURSHIP PRACTICUM
Capstone course, which provides students the opportunity to analyze and evaluate the various aspects of business ownership in today's marketplace.
1 credit, Open to 11th and 12th grades, Prerequisite: Marketing & Management I Principles

(5889) BUSINESS MANAGEMENT
Provides students with the fundamentals necessary to initiate and manage a business, including organization, planning, using information, communication, and related careers.
1 credit, Grades 10-12, Pre-requisite: Intro to Business and Marketing

(5891) COMPUTER APPLICATIONS
This course is designed to develop computer technology skills and basic proficiency in word processing, spreadsheets, databases, and presentations. Students will use a variety of computer software and hardware tools, features of an electronic information network and common software applications. Students will explore the, historical, social and ethical issues of using computer technology. The students will develop skills that will assist them with efficient production; accurate production analysis; management of information and design and presentation of a multimedia project.
1 credit, Grades 9-12

(6168) EVENT PLANNING & MANAGEMENT
In this capstone, project-based course students will research, prepare, deliver, and reflect upon an original event for a community organization, business, or non-profit.
1 credit, Open to 11th and 12th grades, Pre-requisite: Marketing and Management II

(5890) FINANCIAL PLANNING
As a continuation of Banking and Finance, this course is designed to further develop skills in the use of financial principles.
1 credit, Grades 11-12, Placement is by application

(6186) HUMAN RESOURCE MANAGEMENT
Human Resources Management focuses on preparing students for employment in the various disciplines of human resources. Proficient students will understand human relations and the impact of proper management of people as a resource in business. Upon completion of this POS, students will be prepared to seek employment or advanced training as a human resources director, training and development specialist, benefits and compensation analyst, payroll and accounting specialist, employee relations manager, talent acquisition director, or many other careers in human resources management.
1 credit, Open to 10, 11 and 12 grades, Pre-requisite: Introduction to Business and Marketing

(6187) HUMAN RESOURCE MANAGEMENT PRACTICUM
Human Resources Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Human Resources courses within a simulated startup environment or authentic business setting. This course is ideal for students who wish to pursue careers as professionals in the field of human resources. Practicum activities and experiences should take under the supervision of the instructor and in collaboration with a local business partner. The standards in this course can also be used to promote student participation in a work-based learning (WBL) experience through an internship or other off-campus arrangement. Upon completion of the practicum, proficient students will be prepared to continue their study at the postsecondary level.
1 credit, Open to 11 and 12 grades, Pre-requisite: Human Resource Management

(5905) INTRODUCTION TO BUSINESS and MARKETING
Provides students with introductory business strategies as an initial course for students planning a career in business.
1 credit, Grades 9-12

(5931) MARKETING AND MANAGEMENT I: PRINCIPLES
THIS COURSE CAN SUBSTITUTE FOR THE ECONOMICS CREDIT REQUIRED FOR GRADUATION
Provides students with the study of marketing concepts including marketing foundations/functions, economics, and human resource leadership development.
1 credit, Grades 10-12

(5931H) MARKETING AND MANAGEMENT I: PRINCIPLES – HONORS
THIS COURSE CAN SUBSTITUTE FOR THE ECONOMICS CREDIT REQUIRED FOR GRADUATION
Provides students with the study of marketing concepts including marketing foundations/functions, economics, and human resource leadership development.
Additional reading materials and writing assignments will be required.
1 credit, Grades 10-12,
(5932H) MARKETING AND MANAGEMENT II: ADVANCED STRATEGIES - HONORS
This course is a study of marketing concepts and principles used in management. Students will examine challenges, responsibilities and risks managers face in today's workplace. Subject matter includes finance, entrepreneurship, risk management, marketing information systems, purchasing, human resource skills, and leadership development.
1 credit, Grades 11-12, Pre-requisite: Marketing and Management I: Principles

(5901) PERSONAL FINANCE
THIS COURSE CAN SUBSTITUTE FOR THE PERSONAL FINANCE CREDIT REQUIRED FOR GRADUATION
Provides students with the fundamental skills for financial management including income and money management, spending and credit, as well as savings and investing.
0.5 credit, Grades 10-12

(6105) WORK-BASED LEARNING
Students must be enrolled in a CTE or General Education class that is related to their job. Students must maintain school attendance of minimum 90%, passing grades in all courses, and be able to legally drive to jobsite. This course allows students to leave the school campus daily to gain real world occupational experience.
1 credit, Maximum 2 credits. Open to 11 and 12 grade. Admission into this class is by application only. A student must have a 93% attendance rate for the semester immediately preceding enrollment in this class. Their place of employment must correlate to their chosen Elective Focus and a significant portion of the hours worked must be during the normal school day.
INFORMATION TECHNOLOGY

Students must complete 3 units in the same CTE Focus area in order to complete an elective focus. *

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<tbody>
<tr>
<td>Coding</td>
<td>Computer Science Foundations</td>
<td>Coding I</td>
<td>Coding II OR Mobile App Development</td>
<td>AP Computer Science Principles</td>
</tr>
<tr>
<td>Coding AP</td>
<td>Computer Science Foundations I</td>
<td>Computer Science Foundations II</td>
<td>AP Computer Science Principles</td>
<td>AP Computer Science A</td>
</tr>
<tr>
<td>Web Design</td>
<td>Computer Applications or Computer Science Foundations</td>
<td>Web Design Foundations</td>
<td>Web Site Development</td>
<td>Web Design Practicum or AP Computer Science Principles</td>
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<tr>
<td>Cybersecurity</td>
<td>Computer Science Foundations (6095)</td>
<td>Cybersecurity I</td>
<td>Cybersecurity II</td>
<td>Cybersecurity Practicum and/or AP Computer Science (3635)</td>
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EPSO

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<tr>
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<td>TCAT IT program</td>
<td>AP Computer Science Principles</td>
<td>AP Computer Science A</td>
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</table>

(3634) AP COMPUTER SCIENCE PRINCIPLES
This class can substitute for a math class.
Computer science embraces problem solving, hardware, algorithms, and perspectives that help people utilize computers to address real-world problems in contemporary life. As the study of computer science is evolving, the careful design of the AP Computer Science Principles course and exam continues to strive to engage a diverse student population, including female and underrepresented students, with the rigorous and rewarding concepts of computer science. Students who take the AP Computer Science Principles course and exam are well prepared to continue their study of computer science and its integration into a wide array of computing and STEM-related fields.
The class can substitute for a math class.

1 credit, Grades 11-12 Prerequisite: Coding II or Computer Science Foundation II

(3635) AP COMPUTER SCIENCE A
This class can substitute for a math class.
AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.
The class can substitute for a math class.

1 credit, Grades 11-12 Prerequisite: Coding II or AP Computer Science Principles

(6095) COMPUTER SCIENCE FOUNDATIONS
This course is intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Programming and Software Development, and Web Design. 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

1 Credit or 2 Credit/s, Open to grades 9 - 10,

(6100) WEB DESIGN FOUNDATIONS
Provides students with fundamental skills for Web page design using HTML and Web design software such as Dreamweaver, Flash and Photoshop. Includes theory and practical application of the basic web design and development process, project management
and teamwork, troubleshooting and problem solving, and interpersonal skill development.

1 credit, Grades 9-12

(6101) WEB SITE DEVELOPMENT
Provides students with project-based continuation of Web Design Foundations I. Students will develop Web design skills which include enhancing a Website with sound, audio, video, animation using Dreamweaver, Flash, Javascript and Photoshop.

1 credit, Grades 10-12 Prerequisite: Web Design Foundations

(6171) WEB DESIGN PRACTICUM replaces Web Design Practicum III
This course provides students with the opportunity to apply the skills and knowledge learned in previous Web Design courses toward the completion of an in-depth project with fellow team members. Students will take on more responsibilities for producing independent work of managing processes involved in the planning, designing, refinement, and launch of a website. In addition to developing an understanding of the professional and ethical issues encountered by web design professionals in the workplace, students learn to refine their skills in problem solving, troubleshooting, teamwork, marketing and analytics, and project management. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in web design.

1 credit, Prerequisite: Web Site Development

(6098) CODING I
Provides students with programming language skills using higher level languages such as Java. This course includes an introduction to video game programming.

1 credit, Grades 10-12, Prerequisite: Computer Science Foundations

(6099) CODING II replaces Programming and Logic II
This course in which students will develop advanced skills in problem analysis, construction of algorithms, and computer implementation of algorithms as they work on programming projects of increasing complexity. Emphasis is on actual programming projects, both individual and group.

1 credit, Grades 11-12, Prerequisite: Programming and Logic I

(6175) CYBERSECURITY I
Cybersecurity I is a course intended to teach students the basic concepts of cybersecurity. The course places an emphasis on security integration, application of cybersecurity practices and devices, ethics, and best practices management. The fundamental skills in this course cover both in house and external threats to network security and design, how to enforce network level security policies, and how to safeguard an organization’s information. Upon completion of this course, proficient students will be demonstrating and understanding of cybersecurity concepts, identify fundamental principles of networking systems, understand network infrastructure and network security, and be able to demonstrate how to implement various aspects of security within a networking system.

1 credit, Grades 10-12 Prerequisite: Computer Science Foundations

(6176) CYBERSECURITY II
Cybersecurity II challenges students to develop advanced skills in concepts and terminology of cybersecurity. This course builds on previous concepts introduced in Cybersecurity I while expanding the content to include malware threats, cryptography, wireless technologies and organizational security. Upon completion of this course, proficient students will be demonstrating and understanding of cybersecurity ethical decisions, malware threats, how to detect vulnerabilities, principles of cryptology, security techniques, contingency plan techniques, security analysis, risk management techniques, and advanced methods of cybersecurity.

1 credit, Grades 10-12 Prerequisite: Cybersecurity I

(6177) CYBERSECURITY Practicum
Cybersecurity Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Cybersecurity courses toward the completion of an in-depth project with fellow team members. Students who have progressed to this level in the program of study take on more responsibilities for producing independent work and managing processes involved in the planning, designing, refinement, and production of cybersecurity applications. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in cybersecurity, and will be equipped to market their finished product should they choose.

1 credit, Grades 10-12 Prerequisite: Cybersecurity II

(6178) MOBILE APP DEVELOPMENT
Mobile App Development is a course intended to teach students the basic concepts and skills of mobile app design. The course places an emphasis on the history of mobile technologies, design and development methodologies, code for mobile applications, application lifecycles, APIs, mobile device controls, user interfaces, deployment, publishing for mobile devices, developer tools, and career development. Upon completion of this course, proficient students will be able to demonstrate and understanding of mobile app development concepts.

1 credit, Grades 10-12, Prerequisite: Programming and Logic I
HEALTH SCIENCE

Students must complete 3 units in the same CTE Focus area in order to complete an elective focus. *

Upon enrollment into your 3rd Health Science class you are qualified to take the medical terminology dual enrollment test. This test is offered through Vol State for $10. This test counts as a 3-hour college credit upon passing the test w/ 70% or higher. Students who pass the test must then pay a $20 transcript fee in order for Vol State to produce the record of the class.

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<td>Public Health</td>
<td>Health Science Education</td>
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<td>Behavior and Community Health</td>
<td>Global Health and Epidemiology</td>
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<tr>
<td>Diagnostic Services</td>
<td>Health Science Education</td>
<td>Diagnostic Medicine</td>
<td>Anatomy and Physiology²</td>
<td>Cardiovascular Services and/or Clinical Internship</td>
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<tr>
<td>Nursing Services</td>
<td>Health Science Education</td>
<td>Medical Therapeutics</td>
<td>Anatomy and Physiology²</td>
<td>Nursing Education</td>
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<tr>
<td>Emergency Services</td>
<td>Health Science Education</td>
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<td>Anatomy and Physiology</td>
<td>Emergency Medical Services¹</td>
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<tr>
<td>Therapeutic Services</td>
<td>Health Science Education</td>
<td>Medical Therapeutics</td>
<td>Anatomy and Physiology² or Dental Science I or Pharmacological Science or Nutrition Science and Diet Therapy²</td>
<td>Cardiovascular Services and/or Clinical Internship</td>
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<tr>
<td>Exercise Physiology</td>
<td>Health Science Education</td>
<td>Rehabilitation Careers</td>
<td>Exercise Science</td>
<td>Anatomy and Physiology² or Dental Science II or Clinical Internship</td>
</tr>
</tbody>
</table>

¹Local dual credit and/or dual enrollment opportunities exist for this course.
²Satisfies one lab science credit required for graduation.

Industry Certification

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<th>Cluster</th>
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<td>Diagnostic Services</td>
<td>EKG Technician</td>
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<tr>
<td>Exercise Physiology</td>
<td>Personal Trainer</td>
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<td>Nursing Services</td>
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<tr>
<td>Therapeutic Services</td>
<td>Pharmacy Tech</td>
<td>Dental</td>
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(5991HA) ANATOMY AND PHYSIOLOGY - HONORS
This course may substitute for a laboratory science credit.
Health Science Education Anatomy and Physiology is a course in which students will examine human anatomy and physical functions. They will analyze descriptive results of abnormal physiology and evaluate clinical consequences. A workable knowledge of medical terminology will be demonstrated.
1 Credit, Grade Level(s): 11 and 12, Pre-requisites: Biology 1

(5991HB) ANATOMY AND PHYSIOLOGY II - HONORS
This course may substitute for a laboratory science credit.
This class is recommended for those going into advanced degrees in Health Science.
Health Science Education Anatomy and Physiology II is a course in which students will continue to examine human anatomy and physical functions paying particular attention to how the different system interact. They will analyze descriptive results of abnormal physiology and evaluate clinical consequences. A workable knowledge of medical terminology will be demonstrated.

I credit, Grade Level(s): 11 and 12, Pre-requisites: Anatomy and Physiology I

(6130) BEHAVIORAL AND COMMUNITY HEALTH
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. Upon completion of this course, students will be able to use research and data to understand the health and wellness of his/her community, state, region, and nation; differentiate between health and wellness; relate that knowledge to social epidemiology and determinants of health; draw key connections between behavioral health issues and community health issues; and identify professionals who can provide care.
I credit, Recommended Grade Level 10 and 11, Prerequisites: Either Health Science education or Criminal Justice I

(6131) CARDIOVASCULAR SERVICES
This course is designed for students interested in specific diagnosis and treatment of patients with cardiac and peripheral vascular disease. Upon successful completion students will have an understanding of the roles and responsibilities of those seeking employment in the cardiovascular field of healthcare. Upon completion of this course, students will be proficient in the anatomy and physiology of the heart and knowledgeable about both invasive and non-invasive cardiovascular procedures. Students who complete a clinical internship in addition to this course will be eligible upon graduation to sit for the Certified Cartographic Technician (CCT) exam; relevant standards are indicated below with (CCT).
I credit, Grade Level(s): 11 and 12, Prerequisites: Diagnostic Services

(5993) CLINICAL INTERNSHIP
The internships are designed to be completed in a hospital, nursing home, rehab center, medical office, dental office, or other health care facility depending on the elective focus the student has selected.
I credit, Recommended Grade Level(s): 11 and 12, Prerequisites: Placement in this class is by application only. Drug screenings, immunization, TB skin test, and physicals may be required before you participate in certain rotations. A 90% attendance rate is required in order to receive credit in this class. Students must have completed two health science classes with one of them being from any health science.

(6134A) DENTAL SCIENCES
This course is designed to prepare students with an understanding of the roles and responsibilities of the dental health care worker within the application of dental care. Upon completion of this course, students will be able to differentiate the many careers in dentistry; assess, monitor, evaluate, and report on the dental health of patients/clients, and relate this information to overall health; apply appropriate dental terminology; and perform clinical supportive skills. They will incorporate communication, goal setting, and information collection skills to be successful in the workplace. In addition, students will continue to build their health science career portfolio with artifacts produced in this course.
I credit, Grade Level(s): 11 and 12 Prerequisites: Placement in this class is by application only. Have credit upon registration in a minimum of 2 Health Science classes.

(6134B) DENTAL SCIENCES II
This course is designed to prepare students with an understanding of the roles and responsibilities of the dental health care worker within the application of dental care. Upon completion of this course leads to being able to take the NELDA Industry Certification.
I credit, Grade Level(s): 11 and 12 Prerequisites: Dental Sciences I and Placement in this class is by application only.

(5994) DIAGNOSTIC MEDICINE
Designed for students interested in medicine. Includes the study of cardiology, imaging, the medical laboratory, radiology, and other forms of diagnostic medicine. Upon successful completion, students will be able to perform basic medical diagnostic skills.
I credit, Recommended Grade Level(s): 10, 11 and 12

(5995) EMERGENCY MEDICAL SERVICES
This course is designed for students who are interested in becoming involved with emergency care which includes, but not limited to, EMT/paramedic or ER nurse. First responder certification offered based on teacher training. Students will be recertified in BLS CPR. Upon successful completion students will be able to perform basic EMS skills such as: wound care and advanced first aid. Students will also have the opportunity to participate in the yearly mock crash scene.
I credit, Grade Level(s): 11 and 12, Prerequisite: Health Science Ed and 1 additional class in the Health Science Cluster

(6170) EXERCISE SCIENCE
Exercise Science is an applied course designed to prepare students to pursue careers in kinesiology and exercise physiology services. Upon completion of this course, proficient students will be able to apply concepts of anatomy and physiology, physics, chemistry, bioenergetics, and kinesiology to specific exercise science contexts. Through these connections students will understand the importance that exercise, nutrition, and rehabilitation play in athletes or patients with debilitating or acute metabolic, orthopedic,
neurological, psychological, and cardiovascular disorders. In addition, students have the opportunity to incorporate communication, goal setting, and information collection skills in their coursework in preparation for future success in the workplace.

1 credit, Recommended Grade Level(s): 11 and 12 Prerequisite: Rehabilitative Careers Co-Requisite Anatomy and Physiology

(5998) HEALTH SCIENCE EDUCATION
This is the first course offered in the health science cluster. It is designed to give students an overview of the medical field and what careers are available. Students will complete Friends and Family CPR, assessment skills such as vital signs, basic nutrition, and leadership development through HOSA activities. After completion of this course students will select a program of study to follow until their senior year. The programs of study include: Nursing, Sports Medicine/Physical Therapy, Emergency Medical, Biomedical/Forensics, and Diagnostic Services.
1 credit, Recommended Grade Level(s): 9 and 10

(5999) MEDICAL THERAPEUTICS
Explores career opportunities and issues in health care while focusing on leadership development, anatomy and physiology, medical microbiology, pharmacology, and basic skills. Upon successful completion of this course, students will have basic skills, such as checking blood pressure, and will be taught the basics of lifesaving techniques such as CPR and first aid.
1 credit, Recommended Grade Level(s): 10, 11, and 12

(6000) NURSING EDUCATION - HONORS
Focuses on the study of dealing with direct bedside nursing care. Includes clinical experience and supervised practice (for selected students) in a nursing home setting. Upon successful completion, the student will be eligible to take the state exam for Certified Nursing Technician.
1 credit, Recommended Grade Level(s): 11 and 12, Prerequisite: Placement in this class is by application only. Have credit upon registration in a minimum of 2 Health Science classes. Some clinical sites require a drug screening and or immunization including Hep B and a TB skin test in order to participate; therefore, a drug screening and or proof of immunization plus a TB Skin test will be required to participate at those sites. A 90% attendance rate is required in order to receive credit in this class. Parent and Student informational meeting required prior to start of class. Date to be announced.

(6007) NUTRITION SCIENCE AND DIET THERAPY
This course may substitute for a laboratory science credit.
Nutrition and Diet Therapy is an applied knowledge course in nutrition for students interested in the role of nutrition in health and disease. The course covers the development of a nutrition care plan as part of the overall health care process. Methods for analyzing the nutritional health of a community are explored. Finally, the relationship of diet and nutrition to specific diseases will be researched including the role of diet as a contributor to disease and its role in the prevention and treatment of disease.
1 credit, Recommended Grade Level(s): 10 and 11, Prerequisite: Nutrition Across the Lifespan

(6133) PHARMACOLOGICAL SCIENCES
This course is designed to provide the technical instruction and skill development for the student to become gainfully employed in the pharmacy field. The purpose of the Pharmacy Technician program is to provide learning experiences which enable graduates to obtain basic competencies needed for employment as a Pharmacy Technician in either the institutional or retail setting. A technician is an individual who, under the supervision of a pharmacist, assists in the performance of activities of the pharmacy department not requiring the professional judgment of a pharmacist. Technicians must be appropriately trained for functions performed. Upon successful completion of this course and graduation from High School, the student will be eligible to take the state exam for Certified Pharmacy Technician.
1 credit, Grade Level(s): 11, and 12, A 90% attendance rate is required in order to receive credit in this class.

(5990) REHABILITATION CAREERS
This course is designed for students interested in various therapies which include, but not limited to, physical therapy, occupational therapy, or sports medicine/athletic training. Upon successful completion students will gain skills in ankle taping and other prevention taping, rehab of injuries, nutrition, and personal fitness. Students completing this class can apply to the clinical internship class their senior with the completion of A&P.
1 credit, Recommended Grade Level(s): 10, 11, and 12
LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY

Students must complete 3 units in the same CTE Focus area in order to complete an elective focus. *

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<td>Law Enforcement Services</td>
<td>Criminal Justice I</td>
<td>Criminal Justice II</td>
<td>Criminal Justice III: Investigation</td>
<td>Criminal Justice Practicum</td>
</tr>
</tbody>
</table>

² Local dual credit and/or dual enrollment opportunities exist for this course.

EPSO

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<td>Criminal Justice III</td>
</tr>
</tbody>
</table>

(5987) CRIMINAL JUSTICE 1
Criminal Justice 1 provides an overview of our legal system including corrections, juvenile courts and law, ethics, constitutional issues, legislation, theories and principles of criminal law, law enforcement, history and philosophy of the court system, and alternate programs. For students interested in pre-law, corrections, forensics and law enforcement. The course includes guest speakers, mock-police academy, and mock trials.
1 credit, Recommended Grade Level(s): 9 and 10 or teacher recommendation

(5988) CRIMINAL JUSTICE 2
Criminal Justice 2 will offer an in-depth study of criminal investigations and will highlight the training and education needed to compete for jobs within these careers. Current and future investigative techniques as well as crime scene investigation methods will be presented and students will have opportunities to participate in mock-trials and mock-crime scenes with criminal justice careers emphasis.
1 credit, Prerequisite: One (1) CJ Course or teacher recommendation for placement; Recommended Grade Level(s): 10 and 11

(5989) CRIMINAL JUSTICE 3: INVESTIGATION
Criminal Justice III: Investigations 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.
1 credit, Open to grade 11 and 12, Prerequisite: Two previous CJ courses or teacher recommendation for placement.

(6194) CRIMINAL JUSTICE PRACTICUM
WBL CJ is designed to allow students who have met their elective focus in Criminal Justice the opportunity to spend the Spring Semester of their Senior year conducting an in-depth study of a Criminal Justice career of their choosing. Students will travel outside the classroom during their research gathering for more context, detail, and real-life learning as they job-shadow with Criminal Justice career professionals in an authentic workplace environment. This course requires students to complete an application in addition to registering for the course and the teacher prior to placement must approve all students. Students must maintain school attendance of minimum 90%, passing grades in all courses, and be able to legally drive to job site. This course allows students to leave the school campus daily to gain real world occupational experience.
1 credit, Maximum 2 credits, Open to 12th grade. Admission into this class is by application only. A student must have a 93% attendance rate for the semester immediately preceding enrollment in this class. Their place of employment must correlate to their chosen Elective Focus and a significant portion of the hours worked must be during the normal school day.
**STEM**

Students must complete 3 units in the same CTE Focus area in order to complete an elective focus. *

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**Industry Certification**

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*(5924H) PRINCIPLES OF ENGINEERING AND TECHNOLOGY HONORS*
Principles of Engineering and Technology is a foundational course in the STEM cluster for students interested in learning more about careers in engineering and technology. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, proficient students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others.

1 credit, Open to 9th grade

*(6139H) Engineering Design I HONORS*
Engineering Design I is a fundamental course in the STEM cluster for students interested in developing their skills in preparation for careers in engineering and technology. The course covers essential knowledge, skills, and concepts required for postsecondary engineering and technology fields of study. Upon completion of this course, proficient students are able to describe various engineering disciplines, as well as admissions requirements for postsecondary engineering and engineering technology programs in Tennessee. They will also be able to identify simple and complex machines; calculate various ratios related to mechanisms; explain fundamental concepts related to energy; understand Ohm’s Law; follow the steps in the engineering design process to complete a team project; and effectively communicate design solutions to others.

1 credit, Open to 9th and 10th grades, Pre-requisite: Principles of Engineering and Technology

*(6140H) ENGINEERING DESIGN II HONORS*
Engineering Design II is an applied course in the STEM career cluster for students interested in further developing their skills as future engineers. This course covers knowledge, skills, and concepts required for postsecondary engineering and technology fields of study. Upon completion of this course, proficient students are able to explain the differences between scientists and engineers, understand the importance of ethical practices in engineering and technology, identify components of control systems, describe differences between laws related to fluid power systems, explain why material and mechanical properties are important to design, create simple free body diagrams, use measurement devices employed in engineering, conduct basic engineering economic analysis, follow the steps in the engineering design process to complete a team project, and effectively communicate design solutions to others.

1 credit, Open to 10th and 11th grades, Pre-requisite: Engineering Design I
(6141H) ENGINEERING PRACTICUM HONORS
Engineering Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Engineering courses within a professional, working environment. In addition to developing an understanding of the professional and ethical issues encountered by engineers and technologists in the workplace, students learn to refine their skills in problem solving, research, communication, data analysis, teamwork, and project management. The course is highly customizable to meet local system needs: instruction may be delivered through school laboratory training or through work-based learning arrangements such as internships, cooperative education, service learning, mentoring, and job shadowing. Upon completion of the practicum, students will be better prepared for postsecondary study in engineering and technology fields.
1 credit, Open to 11th and 12th grades, Pre-requisite: Engineering Design II (6140H) or Robotics & Automated Systems (6143H) or UNMANNED AERIAL SYSTEMS II (23163H)

(5925H) DIGITAL ELECTRONICS HONORS
Digital Electronics is a course in which students will construct and test fundamental digital logic circuits such as gates, counters, oscillators, and switches. A/D and D/A convertors will be applied to signal processing. Microcontroller programs will be modified and microcontrollers applied to closed-circuit control systems. The course culminates in a group project to create a digital servo control loop. Emphasis is on hands-on activities, real-world equipment, and current technology.
1 credit, Open to 10th, 11th and 12th grade, Pre-requisite: Principles of Engineering and Technology (5924H)

(6143H) ROBOTICS & AUTOMATED SYSTEMS HONORS
Robotics & Automated Systems is an applied course for students who wish to explore how robots and automated systems are used in industry. Building on the content and critical thinking frameworks of Principles of Engineering and Digital Electronics, this course asks students to follow the engineering design process and apply basic programming skills to complete assignments and projects. Upon completion of this course, proficient students will have an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; ethical standards for engineering and technology professions; and testing and maintenance of robots and automated systems.
1 credit, Open to 11th and 12th grade, Pre-requisite: Digital Electronics (5925H)

These classes are only being taught at Mt. Juliet and Watertown High Schools

(23162H) UNMANNED AERIAL SYSTEMS I
Unmanned Aerial Systems I course focuses on the study of industry equipment, safety rules and regulations, and technology advancements. Students will demonstrate flight skill motor development and create an autonomous flight plan and participate in its execution. Additional subject matter includes history and evolution of Unmanned Aerial Vehicles, pre-flight, normal in-flight, post-flight, emergency in-flight, Global Positioning System (GPS), and current/future developments.
1 credit, Open to 9th and 10th grades, Pre-requisite: Principles of Engineering and Technology

(23163H) UNMANNED AERIAL SYSTEMS II
This course continues to focus on the study of industry equipment, safety rules and regulations, and technology advancements. Students will demonstrate flight skill motor development, explain the role of each member of a flight crew and create an autonomous flight plan and participate in its execution. Additional subject matter includes history and evolution of Unmanned Aerial Vehicles, pre-flight, normal in-flight, post-flight, emergency in-flight, Global Positioning System (GPS), and current/future developments. This course is designed to prepare a student to be licensed as an Unmanned Aerial System Pilot.
1 credit, Open to 9th and 10th grades, Pre-requisite: Unmanned Aerial System I

WORK BASED LEARNING

(6105) WORK-BASED LEARNING
Students must be enrolled in a CTE or General Education class that is related to their job. Students must maintain school attendance of minimum 90%, passing grades in all courses, and be able to legally drive to jobsite. This course allows students to leave the school campus daily to gain real world occupational experience.
1 credit, Maximum 2 credits, Open to 11 and 12 grade. Admission into this class is by application only. A student must have a 90% attendance rate for the semester immediately preceding enrollment in this class. Their place of employment must correlate to their chosen Elective Focus and a significant portion of the hours worked must be during the normal school day.

(6104) SUCCESS SKILLS THROUGH SERVICE LEARNING
A program, which combines volunteer service and classroom instruction and provides a comprehensive approach. Focuses on ethical, social and intellectual skill development of students; development of positive values such as trustworthiness and responsibility; commitment to a task and those involved in the task; collaboration; team-building, punctuality, and respect for the quality of work done while serving the community.
1 credit, Recommended Grade Level(s): 11 and 12
DUAL ENROLLMENT CLASSES OFFERED THROUGH TCAT HARTSVILLE

Registration and Enrollment Procedure

A. Selection Criteria

1. An application must be submitted with a minimum of 2 reference letters.
2. Attendance and discipline records will be reviewed to determine if a student has a 90% attendance rate and no major discipline infractions.

B. Enrollment Procedure

1. TCAT enrollment is required.
2. Placement will be done by a committee of school personnel.
3. A mandatory parent meeting will be held in the Spring of 2018.
4. Students will provide their own equipment if required and must purchase their own textbooks for these classes.

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(5922) (4059DE) PRINCIPLES OF MANUFACTURING

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. In addition, proficient students will advance from this course with a nuanced understanding of how manufacturing combines design and engineering, materials science, process technology, and quality.

2 credits, Open to 11th and 12th grades

(4063DE) MECHATRONICS Dual Enrollment

Mechatronics is an applied course in the manufacturing cluster for students interested in learning more about careers as a mechatronics technician, maintenance technician, electromechanical technician, and manufacturing engineer. This first of two courses covers basic electrical and mechanical components of mechatronics systems as well as their combined uses with instrument controls and embedded software designs. Upon completion of this course, proficient students are able to describe and explain basic functions of physical properties and electrical components within a mechatronic system. They can logically trace the flow of energy through a mechatronic system and can communicate this process to others. They know how to effectively use technical documentation such as data sheets, schematics, timing diagrams, and system specifications to troubleshoot basic problems with equipment. Finally, they develop strategies to identify, localize, and correct malfunctioning components and equipment.

2 credits, Open to 11th and 12th grades

(6078) (4062DE) WELDING I

Welding I is designed to provide students with the skills and knowledge to effectively perform cutting and welding applications used in the advanced manufacturing industry. Students enrolled in this course will develop proficiency in fundamental safety practices in welding, interpreting drawings, creating computer aided drawings, identifying and using joint designs, efficiently laying out parts for fabrication, basic shielded metal arc welding (SMAW), mechanical and thermal properties of metals, and quality control. Upon completion of the Welding I course, students will understand the requirements to pursue the American Welding Society (AWS) Entry Welder qualification and examination and will be prepared to undertake more advanced welding coursework.

2 credits, Open to 11th and 12th grades, Prerequisites/ Co requisites: Principles of Manufacturing (5922)
(6095) (4112DE) COMPUTER SCIENCE FOUNDATIONS replaces Information Technology Foundations
This course is intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Programming and Software Development, and Web Design. 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.
2 credits, Open to grade 12, Prerequisite: Algebra I and Computer Apps and Advanced Computer Apps

(6094) (4112DC) COMPUTER SYSTEMS
Computer Systems is designed to prepare students with work-related skills and for certification in the information technology industry. Content provides students the opportunity to acquire knowledge and skill in both theory and practical applications pertaining to troubleshooting, replacing, installing, and upgrading computers. Upon completion of the course students will possess a thorough knowledge of modern personal computer hardware. Procedures used in this course will evaluate students in theory and practical applications through written, hands-on, and computer-based virtual simulations. Successful mastery of the course content will prepare students to concentrate in computer support, which will prepare students with skills in PC repair, diagnostics, and installation to obtain the IT industry standard, CompTIA’s A+ certification.
2 credits, Open to grade 12, Co-Requisite: Information Technology Foundations

(6097) (4114DE) NETWORKING
Networking stresses the conceptual and practical skills necessary to design, manage, and diagnose network hardware and software. Course content, which is of the project-based format, allows students to interconnect workstations, peripherals, terminals, servers, and other networking hardware devices creating a typical infrastructure where all components communicate using the same language or protocols. This course will help prepare students to design, build, and maintain computer networks. The networking sub-cluster will help prepare students for the CompTIA Network + examination (2009 objectives) and cover the Cisco Certified Networking Associates (CCNA) Essentials exam. Mastery of course competencies will prepare students for successful completion of the Network + exam and promote fundamental skills for employment as a Network Administrator or Network Engineer.
2 credits, Open to grade 12, Prerequisite: Information Technology Foundations and Computer Systems