

WBHS CURRICULUM GUIDE

INTRODUCTION

The Program of Studies is intended to familiarize students and parents with the course offerings at WBHS and to encourage students to plan a comprehensive program that meets their individual needs.

The courses described in the Program of Studies are potential offerings for the academic year. Through the pre-registration and registration processes, a master schedule will be designed based upon student demand for elective courses. All elective courses are subject to change and may not become part of the final schedule.

STUDENT ADVISING

School counselors are available to assist with educational planning, post-secondary training, individual counseling, and consultation with parents and teachers. Transfer students must meet with a school counselor to plan an appropriate academic program and must bring an official transcript, test records, and documents of any custodial arrangements pertaining to the transfer.

CLASSIFICATION REQUIREMENTS

The credit requirements for grade classification are as follows:

- 5 credits must be earned to be a sophomore.
- 12 credits must be earned to be a junior.
- 20 credits must be earned to be a senior.

CHANGE OF STUDENT SCHEDULE

The master schedule is developed from student requests and from the registration process. The individual student schedule requests should be selected with great care by both parents and students. No student can be guaranteed a particular schedule. Every effort will be made to balance schedules and to meet individual student needs.

Request for changes in a student's schedule will be considered only under the following circumstances:

1. An error has been made in the scheduling of requested classes.
2. A course is needed by a **twelfth grade student** in order to graduate.
3. A student passed a course, which he/she assumed would be failed resulting in no credit.
4. A student has failed a course(s) and needs to repeat it.

Changes will be considered on a space-available basis. It is the responsibility of the student to report any of the above situations to the school guidance office.

All changes and schedules will be considered final as of the first week of the term.

If any change in planned class offerings of the master schedule becomes necessary, the school will notify the students and parents, and alternative courses will be provided.

9TH GRADE ACADEMY

STUDENT COURSE LOAD

Ninth graders will register for 8 classes. Core classes will be based on the recommendations of eighth-grade teachers, seventh and eighth grade standardized testing data, work habits, ninth-grade teacher advising, required courses, and student/parent input. Each student will be enrolled in a math, English, science, and social studies class and either wellness or ROTC. Wellness and ROTC are each year-long electives that will generate 2 credits. Students will then choose two semester-long electives. Students will take End of Course exams in English I, Biology, and Algebra I. These End of Course exams will count for a percentage of the overall grade in the class.

GRADE REPORTING

The academic year is 36 weeks, or 180 days. Grade reporting occurs four times during the 36-week course: at the end of each 9 weeks and at the end of each term. Progress reporting occurs at the midpoint (4 ½ weeks and 13 ½ weeks) of each 9-week grading period. Students receive grade reports at each 9 weeks on an official school form. In turn, students are responsible for taking each grade report home.

Core subject area courses will be year-long and will generate one credit each. Elective courses will be semester-long but will also generate a full credit. Ninth graders, therefore, have the opportunity to earn 8 credits during the course of the year. The Freshman Focus course is a non-credit advisory course that is required for all ninth graders.

MAIN CAMPUS

STUDENT COURSE LOAD GRADES 10, 11, 12

Students in grades 10-12 will register for 4 classes to be completed during the first term and 4 classes to be completed during the second term, totaling 8 possible credits in one year. No study hall classes are typically offered; but if circumstances require a study hall, students will be placed in a classroom setting under the supervision of an instructor.

Planning the yearly course of study should be completed carefully, with consideration given to required courses, the chosen educational program of study, student interest, and preparation for different levels of course work. Students should choose 2 required/core courses and 2 elective courses per term. Required courses will be balanced over the 4 years of high school. Students will have an English and math course all 4 years and a science or social studies course each consecutive year until requirements are met. Placement in honors level courses with prerequisites is determined by teacher recommendation and guidelines (listed by course) in the course descriptions.

GRADE REPORTING GRADES 10, 11, 12

The year is divided into two terms of 18 weeks. Each term generates 1 full credit in a course. Grade reporting occurs two times during the 18-week course: at the end of the first 9 weeks and at the end of the term. Progress reporting occurs at the midpoint (4 ½ weeks and 13 ½ weeks) of each 9-week grading period. Students receive grade reports at each 9 weeks on an official school form. In turn, students are responsible for taking each grade report home.

**GRADES 9 AND 10
GRADUATION REQUIREMENTS
STUDENTS ENTERING HIGH SCHOOL IN SY 2009/2010 AND AFTER**

The Tennessee State Department of Education requires the following units of credit for graduation. Local requirement(s) for additional credit are also listed:

| <u>State Core Curriculum</u> | <u>Credits</u> |
|--|----------------|
| English/Language Arts | 4 |
| Mathematics* | 4 |
| Science** | 3 |
| Social Studies *** | 3 |
| Wellness | 1 |
| Physical Education | 1/2 |
| Personal Finance | 1/2 |
| Fine Arts | 1 |
| Foreign Language | 2 |
| <u>Elective Focus/Program of Study****</u> | <u>3</u> |
| Total | 22 |
| <u>Local Requirement(s)</u> | |
| Computer | 1 |

*Students entering high in SY 2009/2010 and after must take a math class every year. They must take Algebra I, Geometry, Algebra II, and an upper level math. A credit received for Algebra I at the middle school level meets the requirement for the Algebra I high school credit; however, students must take a math course each year of high school. Students who have not earned a 19 on the mathematics component of the ACT by the beginning of the senior year are recommended to complete the Bridge Math as their upper level math course.

**The three required science credits must include Biology I and Chemistry I *or* Physics.

***Blount County students must earn 4 credits in Social Studies, including World History *or* World Geography, U.S. History, Economics, and Government.

****An Elective Focus/Program of Study consists of 3 credits in one of the following areas: CTE, science and math, humanities, fine arts, or JROTC.

In addition to the State Core Curriculum and the local requirement, students must take elective courses to add up to the total of 28 credits required locally for graduation.

Under exceptional circumstances, the foreign language and fine arts credits may be waived for students who are sure they are not going to attend a four year college or university. These students need to choose an additional 3-course elective focus to replace the foreign language and fine arts credits. Parents should contact a school counselor for more information.

GRADUATING 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.

REQUIRED CORE SUBJECTS

Core subject area courses will be year-long and will generate one credit each. Elective courses will be semester-long but will also generate a full credit. Ninth graders, therefore, have the opportunity to earn 8 credits during the course of the year. The Freshman Focus course is a non-credit advisory course that is required for all ninth graders.

END OF COURSE EXAMS

End-of-Course (EOC) exams in Algebra I, Biology I, and English I are state mandated and count 15% of the final grade for the course. The State Board of Education will determine the passing scores for these exams. A final teacher-made exam is also given in these classes and counts 5% of the final grade for the course.

**GRADES 11 AND 12
GRADUATION REQUIREMENTS
STUDENTS ENTERING HIGH SCHOOL BEFORE 2009/2010**

The State Department of Education requires the following 14 units of credit.

| <u>Core Curriculum</u> | <u>Credits</u> |
|--------------------------|----------------|
| English/Language Arts | 4 |
| Mathematics | 3 |
| Science (including labs) | 3 |
| Social Studies* | 3 |
| Wellness | <u>1</u> |
| <i>Total</i> | <i>14**</i> |

* Blount County students must earn 4 credits in Social Studies, including World Geography *or* World History, U.S. History, Government, and Economics.

**Students are required locally to have 1 credit in computer instruction.

In addition to the core curriculum, students are also required to complete a university, technical *or* dual preparation curriculum.

| <u>University Preparation Curriculum</u> | <u>Credits</u> |
|--|--------------------------|
| Foreign Language | 2 (of a single language) |
| Fine Arts | 1 |

| <u>Technical Preparation Curriculum</u> | <u>Credits</u> |
|---|----------------|
| Program of study in an area of interest | 3 |

| <u>Dual Preparation Curriculum</u> | <u>Credits</u> |
|---|--------------------------|
| Foreign Language | 2 (of a single language) |
| Fine Arts | 1 |
| Program of study in an area of interest | 3 |

Students must meet both the core requirements and the requirements for a technical, university, or dual path. In addition, they must take elective courses to add up to the total of 28 credits required locally for graduation.

GRADUATING WITH HONORS

Students may graduate with honors if they (1) complete the core curriculum plus the university, technical *or* dual preparation curriculum, and (2) maintain an overall unweighted grade point average (GPA) of 3.0.

GATEWAY AND END-OF-COURSE EXAMS

William Blount High School administers state-mandated Gateway Examinations and other End-of-Course tests in accordance with the following guidelines:

- Gateway course tests (Algebra I, Biology I, and English II) are required as prerequisites for a high school diploma. The State Board of Education will determine the passing scores.
- End-of-Course (EOC) exams are state mandated and count 15% of the final grade for the course. The State Board of Education will determine the passing scores for these exams. A final teacher made exam is also given in these classes and counts 5% of the final grade for the course.

A certificate of attendance will be awarded to students who lack passing scores on the Gateway exams but otherwise meet the attendance, conduct, and scholastic credit requirements of the regular diploma. The certificate may be exchanged for a regular diploma at any time the student retakes and passes all Gateway exams.

TENNESSEE UNIFORM GRADING SYSTEM

| | | | | | |
|---------------------|----------|---------|---------|---------|------------|
| | A 93-100 | B 85-92 | C 75-84 | D 70-74 | F Below 70 |
| Standard GPA Points | 4 | 3 | 2 | 1 | 0 |

COURSE WEIGHTING

Unweighted GPAs are reported on transcripts for all 9-12 grade students enrolled in said courses. The following scale is used to determine all GPAs.

| Numerical Grade | Quality Points | | |
|-----------------|----------------------------------|-----------------------------|--------------------|
| | Regular Course (not weighted) | Honors Course (weighted) | Advanced Placement |
| 100-93 | 4.0 | 4.5 | 5.0 |
| 85-92 | 3.0 | 3.5 | 4.0 |
| 75-84 | 2.0 | 3.5 | 3.0 |
| 70-74 | 1.0 | 1.5 | 2.0 |
| Below70 | 0.0 | 0.0 | 0.0 |

To allow for weighting of honors and advanced courses, local education agencies must **annually adopt honors courses, technical courses that offer industry certification, Advanced Placement courses with end-of-course exams, and International Baccalaureate courses with end-of-course exams.** The weighting of honors and advanced courses will be accomplished through the addition of points to grades to calculate the semester average.

| Uniform Grading System | | | |
|------------------------|------------------|--|---|
| Grade | Percentage Range | Weighting for Honors Courses and National Industry Certification | Weighting for Advanced Placement and International Baccalaureate Courses |
| A | 93-100 | May include the addition of 3 percentage points to the grades used to calculate the semester average | May include the addition of 5 percentage points to the grades used to calculate the semester average. |
| B | 85-92 | | |
| C | 75-84 | | |
| D | 70-74 | | |
| F | 0-69 | | |

The following are weighted courses pending board approval:

| | | |
|------------------------|----------------------------|--|
| Honors English I | Honors Calculus | Advanced Computer Aided Design Honors |
| Honors English II | Algebra/Trig | Automotive Tech: Engine Performance Honors |
| Honors English III | Probability and Statistics | Advanced Welding Application Honors |
| Honors English IV | Latin III/IV | Collision Repair: Painting and Refinishing |
| Honors World Geography | French III/IV | Emergency Medical Services Honors |
| Honors World History | Spanish III/IV | Honors Health Science Ed |
| Honors US History | Honors Biology I | Clinical Internship |
| Honors Algebra I | Honors Chemistry I | Medical Therapeutics |
| Honors Algebra II | Honors Chemistry II | AP Courses |
| Honors Geometry | Honors Biology II | Dual Enrollment Courses |
| Honors Pre-Calculus | Honors Physics | |

Framework of Standards for Honors Courses

Honors courses will substantially exceed the content standards, learning expectations, and performance indicators approved by the State Board of Education. Teachers of honors courses will model instructional approaches, i.e. independent study, self-directed research and learning, and the appropriate use of technology that facilitate maximum interchange of ideas among students. All honors courses must 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 shall include a minimum of 5 of the following components:

1. Extended reading assignments that connect with specified curriculum.
2. Research-based writing assignments that address and extend the course curriculum.
3. Projects that apply course curriculum to relevant or real-world situations. These may include oral presentations, power point, or other modes of sharing findings. Connection of the project to the community is encouraged.
4. Open-ended investigations in which the student selects the questions and designs the research.
5. Writing assignments that demonstrate a variety of modes, purposes, and styles.
 - A. Examples of mode include narrative, descriptive, persuasive, expository, and expressive.
 - B. Examples of purpose include to inform, to entertain, and to persuade.
 - C. Examples of style include formal, informal, literary, analytical, and technical.
6. Integration of appropriate technology into the course of study.
7. Deeper exploration of the culture, values, and history of discipline.
8. Extensive opportunities for problem-solving experiences through imagination, critical analysis, and application.
9. Job-shadowing experiences with presentation, which connect class study to the world of work.

All course types that meet the above framework will be classified as honors, thereby constituting eligibility for additional percentage point weighting (pending annual board approval).

Technical courses that offer a national Industry Certification through a nationally recognized examination may be weighted by adding 3 points to all grades used to calculate the semester average (pending annual board approval).

Students transferring to Blount County Schools must show documentation of course weighting on the official transcript from the previous school. Weighted course credit is accepted (with documentation from previous system) for courses in grades 9-12 only. Students transferring from other systems do not automatically receive weighted credit based on the local district list, nor do students automatically receive weighted credit for courses taken elsewhere that are not available to district students unless the weighted points are documented on the transcript. When transfer records show only letter grades, GPAs are calculated using the Blount County scale.

Weighted GPAs are used to determine valedictorian and salutatorian. If there is a tie for either, the raw numerical average is used to determine each. If there is less than one-tenth of a point separating the scores, all students qualifying will be named.

COURSE DESCRIPTIONS

The courses may be offered for fall term, spring term, both fall and spring terms, or alternate years depending on enrollment requests. The grade level indicated is the recommended grade in which a course should be taken. However, individual student needs will be taken into consideration, and students may take courses at other grade levels than those indicated.

ACADEMIC AND BASIC SKILLS PREPARATION

DUAL ENROLLMENT COURSES

Dual Enrollment courses offer students the opportunity to take college level courses while still enrolled in high school.

The following four college level courses are presently offered. Interested students should make an appointment with the counselor for additional information on these courses or possible additional course listings.

Students eligible to participate in the Tennessee Dual Enrollment Grant program may receive up to \$600 per award year (\$300 per semester), paid at the rate of \$100 per postsecondary semester/term credit hour. This grant is subject to the availability of funding and shall be applied only toward college tuition. Other college costs not covered by this grant are the responsibility of the student.

| | | | |
|------------------------|---|--|-----------|
| ENGL 1010/3005A | College English Composition I English IV Dual Enrollment Pellissippi State | 3 hrs college credit 1 high school credit | 12 |
|------------------------|---|--|-----------|

Prerequisite: 3.0 GPA and an ACT score of 19 on English and Reading sub-sections.

This course consists of the study and practice of expository and persuasive writing. Topics include critical reading and writing essays, with emphasis on research, writing processes and effective formatting.

| | | | |
|------------------------|--|--|-----------|
| ENGL 1020/3005B | College English Composition II English IV Dual Enrollment Pellissippi State | 3 hrs college credit 1 high school credit | 12 |
|------------------------|--|--|-----------|

Prerequisite: Successful completion of ENGL 1010, 3.0 GPA and an ACT score of 19 on English and Reading sub-sections.

This course consists of analytic writing based on the study of literature and the study and practice to research writing.

| | | | |
|-------------------------|--|--|---------------|
| MATH 1130/3199DH | College Algebra Dual Enrollment Pellissippi State | 3 hrs college credit 1 high school credit | 11, 12 |
|-------------------------|--|--|---------------|

Prerequisite: Algebra I, Algebra II, 3.0 GPA and an ACT score of 19 on Math and Reading sub-sections.

This course is designed for students who are not in University Parallel/College Transfer programs of science, mathematics, engineering, or computer science. Topics include linear, polynomial, rational, exponential, and logarithmic functions and their graphs and applications; linear and nonlinear models.

| | | | |
|----------------------|---|--|---------------|
| EMT 109/5510H | Emergency Medical Services Dual Enrollment Roane State | 3 hrs college credit 1 high school credit | 11, 12 |
|----------------------|---|--|---------------|

Prerequisite: Health Science Education, 3.0 GPA

Emergency Medical Service (EMS) is offered as a dual enrollment course with Roane State community College. This is the initial training course in the art of pre-hospital emergency medical care that follows the guidelines set by the Department of Transportation (D.O.T.). First Responders are individuals trained to assess patients, use AED's, provide emergency care, and move patients without causing injury. Students will receive a high school credit, as well as three hours of college credit in emergency Medical Technology. Upon successful completion of this course, students will be eligible to certify as First Responders by taking the state licensure exam given by the Department of Health, Division of emergency Medical Services. Students must be a junior or senior, 17 years of age or older, and have a GPA of 3.0 or greater. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.*

ENGLISH

Recommendation: Students should ideally take all English courses in sequence; however, limited other options are available on a case-by-case basis.

The English Department strives to meet the needs of all students by offering a wide range of courses. All students will pursue a focused program of study that will prepare them for academic and career success.

English Course Sequencing

| | Option 1 | Option 2 | Option 3 |
|----|-----------------|--|---|
| 9 | English I | Univ. English I | Honors English I |
| 10 | English II | Univ. English II | Honors English II |
| 11 | English III | Univ. English III | Honors English III |
| 12 | English IV | Univ. English IV or Dual Enrollment English (See page 9.) | Honors English IV or Dual Enrollment English (See page 9.) |

Option 1: This level is designed for students who need extra emphasis on reading, vocabulary, language, and language mechanics skills. Specifically, it is designed for those who have non-mastery and/or partial mastery of performance objectives on the End-of-Course exam.

Option 2: This level is designed for students who are functioning on grade level and have partial mastery or mastery scores in reading, vocabulary, language, and language mechanics skills. The curriculum offers opportunities to polish skills as defined in the College Board’s Academic Preparation for College. Test scores, as well as teacher recommendations, will be considered for placement.

Option 3: This level is designed for students who are functioning above grade level with exceptional skills and have mastery scores in reading, vocabulary, language, and language mechanics. Test scores, as well as teacher recommendations, will be considered for placement. Summer reading is required. (See course description.)

ENGLISH DEPARTMENT COURSE DESCRIPTIONS

3001N English I – Academy Only year long-1 credit 9

All strands of the state curriculum are covered in this course. Focus is on helping students who have not mastered standardized performance objectives. Reading, vocabulary, writing, language, and language mechanics are stressed. Skills necessary to pass the end-of-course exam are included. Compositions of varying lengths are required.

3001U English I University-Academy Only year long-1 credit 9

This course provides opportunities to strengthen basic skills already mastered, as well as those skills not yet mastered as per state objectives. It covers written and oral communication skills and incorporates grade-level readings. Compositions of multiple paragraphs are required; one includes library research. Skills necessary to pass the End-of-Course exam are stressed.

3001H English I Honors-Academy Only year long-1 credit 9

This course is taught at a rapid pace and involves an in-depth study and understanding of literary works and techniques. It is recommended for those who are working above grade level and who have mastered all state performance objectives. Research skills and oral presentations are stressed. Students are required to complete summer reading assignments, which are due on the first day of school. Students who fail to turn in summer reading assignments are given a two-week grace period with a **D** as the highest possible grade

on the assignment. Failure to adhere to this policy results in the dismissal from the honors program. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. . (Refer to pages 7 and 8 of the Curriculum Guide.)*

3001T English I 1 term-1 credit 9, 10

This course is designed for the student who failed to successfully complete English I previously. All strands of the state curriculum are covered in this course. Focus is on helping students who have not mastered standardized performance objectives. Reading, vocabulary, writing, language, and language mechanics are stressed. Skills necessary to pass the End-of-Course exams are included. Compositions of varying lengths are required.

3002T English II 1 term-1 credit 10

Students are guided through the writing process and the study of grammar. In addition to writing related to technical studies, some writing relates to literature, including a dramatic work of Shakespeare. Skills necessary to pass the End-of-Course exam are stressed in addition to all other grade-level objectives of the state curriculum are covered. Basic library research is taught.

3002U English II University 1 term-1 credit 10

This course covers written and oral communication for students who plan to pursue a university education. Following a thematic approach to literature, students participate in several novel studies, culminating in analytical compositions of multiple paragraphs. Literature studies include a Shakespearean play as well as other works. Library research is required, as are out-of-class readings.

3002H English II Honors 1 term-1 credit 10

This course is taught at an accelerated pace. Students should be highly motivated and capable of analyzing literature. A number of writings are required, including a research paper. Vocabulary and oral communication skills are stressed. Participation in this program is based on exceptional skills demonstrated in language arts. Students are required to complete summer reading assignments, which are due at the beginning of fall term regardless of whether students are enrolled in English at that time. Students who fail to turn in summer assignments on time are given a two-week grace period with **D** as the highest possible grade on the assignment. Failure to adhere to this policy results in dismissal from the honors program. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3003T English III 1 term-1 credit 11

This course covers written and oral communication related to practical employment skills. All grade-level objectives of the state curriculum are addressed. Some writing relates to literature. The course is ideal for students entering the job market or seeking post-secondary technical training upon graduation.

3003U English III University 1 term-1 credit 11

This course uses American literature as a springboard for literary analysis and formal oral communication. It continues paragraph development and practice of Modern Language Association (MLA) documentation skills begun in Univ. English I and II. Several multi-paragraph essays are required; these may include description, comparison/contrast, cause/effect, process, classification, and research.

3003H English III Honors 1 term-1credit 11

Exceptional language skills are required for this course. Using American literature as a basis of study, the course is taught at a fast pace and is for the self-motivated student. The family history project, which includes family trees, photos, recipes, essays about traditions, etc., is a requirement for the course. Vocabulary and oral communication skills are stressed. Students use research skills and practice the MLA documentation format. Several multi-paragraph papers are required in addition to numerous papers analyzing literature. Students are required to complete summer reading assignments, which are due at the beginning of fall term, despite the fact that the course is not offered until spring term. Students who fail to turn in summer assignments on time are given a two week grace period with **D** as the highest possible grade on the assignment. Failure to adhere to this policy results in dismissal from the honors program. *This*

course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)

3005T English IV 1 term-1 credit 12

Grade-level skills introduced in English III are continued and refined to meet requirements of the state curriculum strands. Oral communication includes the practice of interviewing skills. Students employ knowledge gained in class to practical, job-related situations. Most writings focus on documents applicable to the work place, such as business letters, memos, and faxes. Other writings relate to literature read in class. Vocabulary includes terms pertinent to the business world.

3005U English IV University 1 term-1 credit 12

This course uses British literature as a springboard for literary analysis and formal oral communication. It continues skills stressed in English III Univ. with more in-depth practice of writing and documenting papers related to literature.

3005H English IV Honors 1 term-1 credit 12

Exceptional language skills are required for this course. Using British literature as a basis of study, the course is taught at a fast pace and is for the self-motivated student. Students are required to write one literary analysis per genre (poetry, short story, drama, novel) as well as other expository writings. In addition, they are required to participate in several writing contests throughout the term. Research and oral presentations will be conducted. Students must complete summer reading assignments, which are due at the beginning of fall term. Students who fail to turn in summer assignments on time are given a two-week grace period with **D** as the highest possible grade on the assignment. Failure to adhere to this policy results in dismissal from the honors program. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

ENGLISH ELECTIVES

(See Fine Arts for drama.)

3081N Content Area Reading-Academy Only 1 term-1 credit 9

This course is designed to provide reading strategies that will improve comprehension in all curricular areas. Students will utilize a variety of texts to practice life-long learning skills for reading, writing, understanding, and interpreting content in English, math, science, and social studies.

3013N Competency English-Academy Only 1 term-1 credit 9

In addition to the required English I course, Competency English provides an opportunity to gain further grounding in grammar, sentence structure, and writing skills. Curriculum standards include parts of speech, sentence structure, and the components of an essay.

3008N Intro. to Journalism 1 term-1 credit 9, 10, 11, 12

This course begins with an introduction to mass media. Other units of study are media law and ethics, gathering and writing news, writing leads, writing headlines, writing specialty stories (features, sports, opinion, in-depth), writing outlines, photojournalism, editing, and basic layout and design for newspapers/magazines/yearbooks. In addition, students will study interviewing techniques, advertising, and careers in journalism. Students will have some access to computers and will be encouraged to write for publication. Completion of this course will equip students for work on yearbook, newspaper, and literary/art magazine staffs.

3009W World Literature 1 term-1credit 10, 11, 12

World literature is a survey course for the college-bound student. Novels, full-length dramas, and a variety of short stories and poetry, including two epics, may be read during the term. Students will also write a number of papers. Novel selections may include *Things Fall Apart* and *Siddhartha* (excerpts); epic poetry

may include *The Illiad* (excerpts) and *The Aeneid* (excerpts): dramatic works may include *Medea*, *A Midsummer Night's Dream*, and *Cyrano de Bergerac*. Representative short prose and poetry from major literary movements of the later centuries will also be examined.

3012 **Creative Writing** **1 term-1 credit** **10, 11, 12**

Creative writing is a study of the techniques of writing essays, non-fiction, fiction, and poetry with emphasis on the short story. Critical reading skills are covered, using both classic and contemporary models. Also included is an examination of literary marketing with the opportunity for students to publish. The course requires completing of ten writing assignments, consisting of poem, essays, non-fiction articles, and short stories.

3015 **Speech** **1 term-1 credit** **10, 11, 12**

This course provides an examination of the communication process, including understanding verbal and non-verbal messages, proper use of voice, and listening/evaluating skills. Interpersonal relationships, formal/informal speaking, and interviewing skills are incorporated within the semester. Subsequent lessons include public speaking, speaking for a purpose, the democratic process (group discussion, debate, and parliamentary procedure), and performing arts (dramatic interpretation, theatre, radio and television). Study of famous speeches is required, and students will be encouraged to memorize selected speeches.

3099H **Humanities** **1 term-1 credit** **10, 11, 12**

A humanities course typically covers a broad range of topics, including literature, history, geography, philosophy, religion, and music. Broadly defined, however, the *humanities* refers to the study of the human condition. This course has been developed into a film studies class. Movies are an art form, and most of the best ones are based on published works of literature that either reflect upon the human condition or comment on it directly or indirectly. Movies are also a large and integral part of our students' lives, and students are given a sense of film's historical development and the skills necessary for intelligent and critical interpretation of this pervasive and influential medium.

3099MY **Mythology** **1 term-1 credit** **10, 11, 12**

Mythology is a survey of Greek, Roman, Norse, Celtic, and Egyptian mythology with an emphasis on classical mythology.

English Peer Teaching

English Peer Teaching is an invitation-only course. Stringent selection criteria are used to determine participant eligibility. Once selected, students must attend after-school training sessions at the beginning of the term. Then, they are assigned to a supervising teacher's classroom to provide additional academic support to underclassmen and to help motivate students with low self-confidence and to give one-on-one tutoring. No student may earn more than two peer teaching credits per school year; therefore, those students invited to peer teach in multiple curriculum areas may **not** register for more than two peer teaching classes.

3097L **Information and Library Science** **1 term-1 credit** **11, 12**

Prerequisite: Librarian interview only

Information and Library Science is designed to teach students how to manage and retrieve information. Daily tasks include, but are not limited to, working at the circulation desk, working with media, organizing materials, designing and completing displays, and planning and implementing library activities. Each student is required to read two fiction books and complete two book talks for the semester.

Yearbook Publishing I/II **1 term-1 credit** **10, 11, 12**

Prerequisite: English I (with a grade of A or B), teacher recommendation, and approval of yearbook sponsor. Applications are available from yearbook sponsor. Once accepted for the course, students will be given the course code for registration.

This hands-on class is designed to teach students the components of yearbook production. Coursework will include the fundamentals of journalism, organization, graphic design, editing, publishing, layout, copy writing, marketing, and sales. Because students will rely on computers and software applications, basic

computer skills are expected. The end product will be the William Blount High School *Governor*. The course requires after-school meetings and attendance at extra-curricular functions.

FINE ARTS

3501 Visual Art I: Fundamentals 1 term-1 credit 10, 11, 12

Requirement: Fee and fund raising. This is an introductory survey course for students desiring a fine arts credit. The curriculum studied integrates art history, and emphasizes design elements and principles. A variety of media is explored with attention to fundamental skills and techniques. Two-dimensional (drawing, painting) and three-dimensional (sculpture, ceramic, textile) formats are included.

3502 Advanced Visual Art II 1 term-1 credit 10, 11, 12

Prerequisite: Visual Art I and teacher approval. Requirement: Fee and fundraising. This elective class continues the same principles learned in Visual Art I, with projects becoming more individualized and somewhat more sophisticated. All students are encouraged to submit works for area exhibits. Art history is integrated into the curriculum. Students will develop a portfolio of their work.

3503 Advanced Visual Art III 1 term-1 credit 10, 11, 12

Prerequisite: Art II and teacher approval. Requirement: Fee and fundraising. Almost all work is on an individual basis, and each student is encouraged to exhibit as many works as possible in art competitions and/or community exhibits. This course is for highly motivated and focused, advanced art students who desire in-depth study methods and techniques in the media they are interested in. Students will develop a portfolio of their work.

3504 Advanced Visual Art IV 1 term-1 credit 12

Prerequisite: Art III and teacher approval based on prior grades and quality of art portfolio collection. This class is for serious art students who are highly motivated and focused on their advancement as an artist. This class will stress individual development as an artist with greater emphasis placed on individual style and the development of a sophisticated portfolio, artist statement, and resume. Students will exhibit art work in a variety of art competitions and community exhibits.

3530M Band (Fall) 1 term-1 credit 9, 10, 11, 12

Prerequisite: Three years of middle-school band or by audition
Students will study, learn, and perform music in various styles. An emphasis will be made on reading and recognizing rhythms, major and minor scale patterns, and producing a characteristic sound. All performances and after-school rehearsals are *required*. A calendar of events will be given in May.

Requirements:

- WBHS two week summer band camp
- Fees or fundraising paid for uniforms, music, transportation, etc.
- Attendance at all rehearsals and performances
- Quality instrument or sticks/mallets (some larger instruments are available through the school-tuba, baritone, etc.)

Performances include:

- Pre-game and halftime of all varsity home football games and many away games.
- Marching band competitions in the southeast area.
- Veterans Program
- Sr. Band Clinic
- Christmas Parades
- Concerts
- Concert Competitions

3530S Band (Spring) 1 term-1 credit 9, 10, 11, 12

Prerequisite: Three years of middle school band or by audition.

Students will study, learn, and perform music in various styles. An emphasis will be made on reading and recognizing rhythms, major and minor scale patterns, and producing a characteristic sound. All performances and after-school rehearsals are *required*. A calendar of events will be given in May.

Requirements:

- Quality instrument or sticks/mallets (some larger instruments are available through the school-tuba, baritone, etc.)
- Attendance at all rehearsals and performances
- Fees or fundraising paid for uniforms, music, transportation, etc.

Performances include:

- Winter and Spring Concerts
- Sr. Band Clinic
- Eighth Grade Recruiting Concerts
- Concert Festival/Competition
- All-State Band
- Graduation

3520 Theatre Arts I: Introduction to Theatre 1 term-1 credit 10, 11, 12

This course is an overview of the theatre art and its disciplines, including acting, play production, playwriting, and basic background and history. This is a highly active, participatory course that involves acting/speaking. It will emphasize the basic principles of speech delivery, acting and stage techniques. Students will be expected to participate in writing/performing monologues, acting scenes, improvisations, and pantomime, as well as read a play and critique live performances. Attendance at class productions is mandatory.

3521 Theatre Arts II: Theatre Production 1 term-1 credit 10, 11, 12

Prerequisite: Theatre Arts I AND audition with teacher approval OR theatre production experience AND audition with teacher approval.

This course is a production lab course, focusing on preparation for all “Vagabond Players Theatre Troupe” productions that take place in the Fall and Spring. Students will study various plays and playwrights. Juniors will be given the opportunity to compete for acting and technical scholarships. All students will be required to be involved in fundraising activities for the troupe. All students will be required to participate in the fall/spring productions. This includes after school rehearsals and final performances.

3522 Theatre Arts III 1 term-1 credit 10, 11, 12

Prerequisite: Theatre Arts II AND teacher approval based on a successful audition.

This course is a production lab course, focusing on preparation for a fine arts major/minor in post-secondary education. Students will study various plays and playwrights. As a class, students will produce a play and consequently learn about all the elements of a production—from acting and technical, to marketing and budget. Students are required to participate in the fall or spring production during the course of instruction. This will include after-school rehearsals and final performances.

3531 Beginning Choir 1 term-1 credit 9, 10, 11, 12

Beginning choir is a mixed choral ensemble designed for entry-level performance. Students in this course focus on beginning vocal production, music theory, and history. This ensemble performs a variety of sacred and secular music from all the major periods of music history, as well as spirituals and lighter pieces with some choreography. This course is open to any student who considers him/herself a beginner in music knowledge.

Requirements:

- Fees and fundraising required for music, transportation, etc.
- Attendance at all performances and rehearsals
- Purchase of minimal choral performance attire

3531W William Blount Singers 2 terms-2 credits 10, 11, 12

Prerequisite: By audition only. Students must take both Fall and Spring Semesters.

This choir represents a highly select choral ensemble composed of 24 members. This ensemble has many performances locally, as well as in-state and out-of-state performances. Emphasis is on advanced musical skills relative to vocal technique and music reading abilities. The Singers perform a wide variety of music, including chamber, madrigal, and show/pop music.

Requirements:

- Members must have some music reading ability, as well as choreographic skills.
- WBHS one week summer Singers camp
- Fees and fundraising required for music, transportation, etc.
- Attendance at all performances and rehearsals
- Purchase of choral performance attire

3531C Cadence Show Choir 2 terms-2 credits 10, 11, 12

Prerequisite: By audition only. Students must take both Fall and Spring Semesters.

This choir represents a highly selective women's choral ensemble with strong dance skills and vocal music talent. Emphasis is on performance of advanced musical and dance skills. Literature includes show/pop/jazz choir and chamber choir music.

Requirements:

- Fees and fundraising required for music, transportation, etc.
- Attendance at all performances and rehearsals
- Purchase of choral performance attire
-

3531CSP Cadence Concert Choir 1 term-1credit 10, 11, 12

Spring Term Only

Prerequisite: By audition only.

This choir is a larger women's ensemble that performs a wide variety of music for performance and competition. This is made up of a group of women who join Cadence for the spring semester to form a large women's choir. Literature includes chamber, madrigal, and classical, as well as more current popular music. This class is for students who wish to take only one semester.

Requirements:

- Fees and fundraising required for music, transportation, etc.
- Attendance at all performances and rehearsals
- Purchase of choral performance attire

3531CC Concert Choir 1 term-1 credit 10, 11, 12

Spring Term Only

Concert Choir is a mixed choral ensemble of approximately 60 voices. In addition to performing at the annual spring concert, the ensemble may also sing at all major choral festivals and competitions in the spring. The concert choir will perform a variety of challenging sacred and secular music from all the major periods of music history, as well as spirituals and lighter pieces. Members of the Concert Choir are not required to audition. However, basic music knowledge and experience in ensemble singing is helpful. This choir is open to anyone who wishes to participate.

Requirements:

- Fee and fundraising required for music, transportation, etc.

- Attendance at all performances and rehearsals
- Purchase of choral performance attire

FOREIGN LANGUAGE

Most students elect to begin a modern language in their tenth, eleventh, or twelfth grade year. It is now possible to take both levels of Spanish in one year and have time to take an additional foreign language in later grades. When making their four-year plans, students should remember that they may be required to take a foreign language placement exam during their college freshman orientation week.

Foreign languages are not available to freshmen. Because Latin grammar and vocabulary are the basis for Romance Languages such as Spanish and French, students completing Latin I may also decide to take levels I and II of Spanish or French to complete and exceed their college entrance requirement.

The following reflects a variety of course sequences available for meeting student needs, abilities, and interest.

| Option 1 | Option 2 | Option 3 | Option 4 |
|---------------|---------------|------------------------|------------------------|
| French I, II | Etymology | Latin I, French I, II | French I, II, III, IV |
| Latin I, II | French I, II | Latin I, Spanish I, II | Latin I, II, III, IV |
| Spanish I, II | Latin I, II | Latin I, Russian I, II | Spanish I, II, III, IV |
| Russian I, II | Spanish I, II | | Russian I, II, III, IV |
| | Russian I, II | | |

3099F Word Etymology 1 term-1 credit 10, 11, 12

This course is a study of Greek and Latin roots as the basis of English words. It provides a solid foundation for a vastly increased vocabulary and is recommended for college bound students.

3041 French I 1 term-1 credit 10, 11, 12

In this modern language course, students learn to understand, speak, read, and write French, as well as learn about life in France and other French-speaking countries.

3042 French II 1 term-1 credit 10, 11, 12

Prerequisite: Students must pass French I before taking the second level.

Recommendation: Students are encouraged to achieve no lower than an 80 average in French I to ensure success in French II.

In this modern language course, students continue to learn and master the skills introduced in French I with greater emphasis on grammar, composition, French life, and culture.

3047 French III-IV 1 term- 1 credit 11, 12

Prerequisite: Students must pass French II before taking French III and must pass French III before taking French IV.

By studying various aspects of French life, students expand their communication and reading skills and increase their awareness of the French-speaking people of the world and their contributions to the arts, sciences, and history. In addition, students will increase their knowledge of France and other countries in which French is spoken. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3031 Latin I 1 term-1credit 10, 11, 12

This classical language course introduces students to Latin grammar and the translation of Latin prose. Students learn vocabulary and grammatical forms that have influenced the English language and are the basis for the Romance languages. English word derivation is stressed.

3032 Latin II 1 term-1 credit 10, 11, 12

Prerequisite: Students must pass Latin I.

Recommendation: Students are encouraged to achieve no lower than an 80 average in Latin I.

Students continue the study of Latin grammatical forms and the translation of prose. All grammatical constructions are introduced by the end of the second year.

3037 Latin III-IV 1 term-1 credit 11, 12

Prerequisite: Students must pass Latin II before taking Latin III. Students must pass Latin III before taking Latin IV. **Recommendation:** Students are encouraged to have achieved no lower than an 80

average in Latin II. The third year of classical language offers intermediate level study, which consists of translation of ancient classical authors. In the fourth year, translation of the Classics continues. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3021 Spanish I 1 term-1 credit 10, 11, 12

Students in this modern language course are introduced to vocabulary and grammar necessary for understanding, speaking, and writing Spanish. The cultures of Mexico, Central America, and South America are also presented.

3099SB Bridge to Spanish II 1 term-1 credit 10, 11,12

Prerequisite: Students must pass Spanish I

This course is intended for students who have completed level-one Spanish but are in need of additional reinforcement in grammar concepts before progressing to Spanish II. Students review key concepts from Spanish I and begin working with concepts of Spanish II

3022 Spanish II 1 term-1 credit 10, 11, 12

Prerequisite: Students must pass Spanish I before taking the second level. **Recommendation:** Students are encouraged to achieve no lower than an 80 average in Spanish I to ensure success in Spanish II.

Students continue to master and enhance the communication skills introduced in Level 1. With increased emphasis on speaking and writing, Spanish II is a grammar intensive course that will provide greater opportunity for creativity and originality of expression. Customs, history, and geography of Spain and Latin America are reinforced.

3027 Spanish III-IV 1 term-1 credit 11, 12

Prerequisite: Students must fulfill two of three requirements for taking Level III/IV Spanish:

1) Score 85 or above in Spanish II; 2) Have teacher recommendation; 3) Score 80 or higher on Level III entrance exam. By studying specific aspects of daily Hispanic life, students must learn to create with the language, participate in progressively more challenging conversations, and communicate successfully in basic survival situations. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3061 Russian I 1 term-1credit 10, 11, 12

Prior study of a foreign language is strongly encouraged. Students in this modern language course are introduced to vocabulary and grammar necessary for understanding, speaking, and writing Russian. Russian culture is also presented.

3062 Russian II 1 term-1 credit 10, 11, 12

Prerequisite: Students must pass Russian I.

Recommendation: Students are encouraged to achieve no lower than an 80 in Russian I before studying Russian II. Students continue to master and enhance the communication skills introduced in Russian I. With increased emphasis on speaking and writing, Russian II provides greater opportunity for communicating the language.

Foreign Language Peer Teaching

Foreign Language Peer Teaching is an invitation-only course. Stringent selection criteria are used to determine participant eligibility. Once selected, students must attend after-school training sessions at the beginning of the term. Then, they are assigned to a supervising teacher's classroom to provide additional academic support to underclassmen and to help motivate students with low self-confidence and to give one-

on-one tutoring. No student may earn more than two peer teaching credits per school year; therefore, those students invited to peer teach in multiple curriculum areas may **not** register for more than two peer teaching classes.

Mathematics

Tennessee State law requires students entering high school in 2009 and after to take a math course each year enrolled, thereby earning four math credits which must include Algebra I, Geometry, and Algebra II, and a higher level math.

The Mathematics Department strives to meet the needs of all students by offering a wide range of courses. Because of the diversity of offerings and because mathematics skills are progressively developed and reinforced, a table of possible course sequences follows. The table below shows several options from which students may choose.

| | Option 1 | Option 2 | Option 3 | Option 4 | Option 5 |
|-------------------|--------------------------------------|--------------------------------------|--|--|---|
| 9 | <i>Foundations II</i> | Algebra I A Algebra I B | University Algebra I | Honors Algebra I | Honors Geometry |
| 10 | Algebra I A Algebra I B | GEOMETRY | University Geometry | Honors Geometry | Honors Algebra IIA/ Honors Algebra IIB |
| 10/ 11 | Geometry Bridge Math | Algebra II A Algebra II B | University. Algebra II | Honors Algebra IIA/Honors Algebra IIB | Pre-calculus and/ or Prob & Statistics |
| 12 | Algebra II A Algebra II B | BRIDGE MATH | Adv Alg/Trig or Prob & Statistics | Pre-Calculus or Prob & Statistics | Calculus and/ or Prob & Statistics |

All students, regardless of the chosen program of study, who enter high school in 2005/2006 through 2009/2010 are required to pass the Algebra I Gateway Exam and must earn credits in both Algebra I and Geometry.

In 2009/2010, the state will begin replacing the Gateway Exams with End-of-Course Exams. Eventually, students will take an End of Course Exam in Algebra I, Algebra II, and Geometry.

Some math courses span both semesters. Students enrolled in a year-long class at the academy receive one credit after successfully completing the entire course. Students enrolled in a year-long class at the main campus must take both semesters and will receive a math elective credit for successfully completing the first semester's work and a required math credit for successfully completing the second semester's work.

3131N Foundations II – Academy Only year long-1 credit 9

Students who take this class have an opportunity to gain an adequate understanding of those arithmetic and pre-algebra skills which are necessary for the successful transition into other high school math classes.

3102NB Algebra I – Academy Only year long-1 credit 9

Algebra I is a course that develops the building blocks needed for success in higher level math classes. The course satisfies the state Algebra I credit for graduation and focuses on those skills needed for the Algebra I End-of-Course Exam. After successful completion, students will then advance to Geometry.

Algebra I is the entrance course for all other upper-level mathematics courses and develops the building blocks needed for math classes required for university entrance, as well as preparing students for the End-of-Course Exam.

Prerequisite: *Teacher recommendation, EXPLORE TEST results, and/or completion of eighth-grade Algebra with a score of 80-89.*

Honors Algebra I is an entrance course for all advanced mathematics courses and should be taken by incoming ninth graders who score above grade level on achievement exams. Interested students will be placed in this class based on teacher recommendation and enrollment in eighth-grade Algebra. This class covers all the basic topics in regular Algebra I but in more depth and at a much faster pace while preparing students for the End-of-Course exam. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. Prerequisite: Teacher recommendation and/or completion of eighth-grade Algebra with a score of 90 or above.*

This is a fast-paced course with an in-depth study of all the topics covered in a regular geometry class plus many additional topics. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

Algebra IA/ Algebra IB is a year-long course designed for students who need extra help with mathematical concepts. This course satisfies the state Algebra I credit for graduation, and focuses directly on those skills needed for the End-of-Course Exam. The End-of-Course Exam will be given in Algebra IB. This class will give students one elective math credit for Algebra IA and a math credit toward math graduation requirements for Algebra IB. Those students who fail the course may attend summer school/credit recovery. After successful completion, students will take Geometry or Algebra IIA/Algebra IIB.

Prerequisite: *Teacher recommendation.*

University Algebra IA/University Algebra IB is the entrance course for all other upper-level mathematics courses and develops the building blocks needed for math classes required for university entrance, as well as prepares students for the End of Course Exam. This class will give students one elective math credit for Algebra IA and a math credit toward math graduation requirements for Algebra IB. Those students who plan to enroll in University Algebra II must earn an overall 80 average. Those scoring below an overall 80 in University Algebra I should enroll in the Algebra IIA/Algebra IIB.

Prerequisite: *Students must have previously passed University Algebra I B with an average between 70 and 80.*

Algebra II A/Algebra IIB will cover all of the standards required by the state for Algebra II and will cover most of the topics covered in the University Algebra II, such as logarithms, complex numbers, conic sections, and inequalities. This class will move at a slower pace to prepare students who need extra help with math concepts. It will also incorporate the use of graphing calculator (available for use in the classroom). This class will give students one elective math credit for Algebra IIA and a math credit toward math graduation requirements for Algebra IIB and will prepare them for the End-of-Course Exam given in May.

Prerequisite: *Students must have previously passed University Algebra I B with an overall average of 80*

or above. Students with less than an 80 average should enroll in Algebra II A/Algebra II B.

University Algebra II is an in-depth continuation of the University Algebra I concepts, as well as a study of logarithms, complex numbers, conic sections, and upper level inequalities. This course initiates the development of the concepts and skills needed for ACT and SAT testing. Due to the increased standards in Algebra II and the end of course test, Algebra II will be a year-long class.

| | | | |
|----------------------|--|---|---------------|
| 31033H/31034H | Honors Algebra II A/Honors Algebra II B | 2 term-2 credits 1 elective-1 math | 10, 11 |
|----------------------|--|---|---------------|

Prerequisite: Completion of Honors Geometry

This course is designed for students who have completed Honors Geometry and will be taken year-long. This is a fast-paced course, including an in-depth study of all topics in University Algebra II with special emphasis on additional topics. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point-weighting. (Refer to pages 7 and 8 of the Curriculum Guide)*

**** This group is expected to take Honors Pre-calculus as juniors.****

| | | | |
|--------------|-----------------|------------------------|-------------------|
| 3108B | Geometry | 1 term-1 credit | 10, 11, 12 |
|--------------|-----------------|------------------------|-------------------|

Prerequisite: Algebra IB and/or completion of Algebra IIB or teacher recommendation from University Algebra IB.

Geometry consists of topics in plane and solid geometry with emphasis on definitions, postulates, and theorems. It is designed for students who need additional help with mathematical concepts.

| | | | |
|-------------|----------------------------|------------------------|-------------------|
| 3108 | University Geometry | 1 term-1 credit | 10, 11, 12 |
|-------------|----------------------------|------------------------|-------------------|

Prerequisite: University Algebra IB

University Geometry consists of topics in plane and solid geometry with emphasis on definitions, postulates, theorems, and inductive and deductive proofs.

| | | | |
|--------------|------------------------|------------------------|-----------|
| 3108H | Honors Geometry | 1 term-1 credit | 10 |
|--------------|------------------------|------------------------|-----------|

Prerequisite: 9th Grade Honors Algebra I or teacher recommendation

This Honors Geometry will be taken by sophomores who took Honors Algebra I. This is a fast-paced course with an in-depth study of all the topics covered in a regular geometry class plus many additional topics. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

| | | | |
|--------------|--|------------------------|---------------|
| 3124H | University Algebra/Trigonometry | 1 term-1 credit | 11, 12 |
|--------------|--|------------------------|---------------|

Prerequisite: University Algebra II and University Geometry

University Algebra/Trigonometry is an Algebra III class that continues the basic algebraic concepts of matrices, polynomials and exponential functions, and discrete mathematics. This will be an excellent fourth year math class for those students who have completed Algebra I, Geometry, and Algebra II. This course fulfills the trigonometry requirement for Tennessee Board of Regents Schools. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

| | | | |
|--------------|-----------------------------------|------------------------|--------------|
| 3135H | Probability and Statistics | 1 term-1 credit | 11,12 |
|--------------|-----------------------------------|------------------------|--------------|

Prerequisite: Algebra II

Concepts covered in the statistical portion of the course will be the uses and abuses of statistics, statistical graphs, types of averages, standard deviation, and normal curves. The probability section will include factorials, combinations, and permutations. Application problems will relate to a variety of career opportunities, including business, engineering, agriculture, computer science, and many others. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

Prerequisite: *Honors Algebra II and Honors Geometry or teacher recommendation.*

Honors Pre-Calculus is a continuation of algebraic concepts with the addition of vectors, circular functions, and trigonometric functions as well as analytical geometry. This course fulfills the trigonometry requirement for the Tennessee Board of Regents Schools. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

Prerequisite: *Pre-Calculus or University Algebra/Trigonometry with teacher recommendation or minimum average of 85.*

Calculus develops the concepts of limits, differentiation, and integration, as well as their applications in relation to the science, business, math, computer or health-related fields. Calculus is especially designed for students who plan to take college calculus since it covers approximately one and one-half semesters of work at the college level. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

Math Peer Teaching

Math Peer Teaching is an invitation-only course. Stringent selection criteria are used to determine participant eligibility. Once selected, students must attend after-school training sessions at the beginning of the term. Then, they are assigned to a supervising teacher's classroom to provide additional academic support to underclassmen and to help motivate students with low self-confidence and to give one-on-one tutoring. No student may earn more than two peer teaching credits per school year; therefore, those students invited to peer teach in multiple curriculum areas may NOT register for more than two peer teaching classes.

AIR FORCE JROTC/AEROSPACE SCIENCE

The preferable course sequence is for students to take one class each academic year, after the completion of the freshman year. Freshman students must enroll in JROTC for both semesters in order for ROTC to count for wellness.

The course provides an overview of aerospace science and furthers the building of basic knowledge and skills to function in today's technical world. Studies include the history of flight, modern aerospace developments, attitude and discipline, study habits and time management, drug and alcohol abuse, first aid, health and wellness, and drill ceremonies. Field trips to military bases and museums, aircraft orientation flights, club activities, summer leadership camp, and other extracurricular activities add to classroom activities and are an important part of the program. The uniform is worn one day each week. Students must meet United States Air Force grooming standards while in uniform. Uniforms/textbooks are provided free of charge. The student is not an official member of the military and is not required to enter the military service as the result of being in AFJROTC. A health/wellness course credit is awarded upon successful completion of Intro to Aerospace Science and Aerospace Science I.

Prerequisite: *Aerospace Science I*

This course helps students develop knowledge of the causes of weather, the effects of flight on the human body, aircraft flight, and air navigation. Leadership training is further developed to permit the student to function as part of the cadet staff and lead in co-curricular activities, such as parades and color guards. The program is supplemented by field trips to military bases and museums, club activities, summer leadership camp, drill team, color guard, and other extracurricular activities available to interested students. Physical fitness is incorporated into this program and is 20% of the overall grade.

Prerequisite: *Aerospace Science II*

This course provides an exploration of space and an introduction to astronomy. Students learn the history of astronomy, including introductory Newtonian astrophysics; the Earth's physical properties; the Moon's characteristics and effect on the Earth; and the make up of the Solar System. Human relations, communications skills, logic and problem solving are further developed in the leadership phase. Field trips to military bases and museums, drill meets, summer leadership camp, and a variety of extracurricular activities supplement classroom work. Emphasis is given to participation in the cadet organization and competitive drills. Physical fitness is incorporated into this program and is 20% of the overall grade. Three credits in Aerospace Science fulfill the state graduation requirement for U.S. Government.

3334 Aerospace Science IV 1 term-1 credit 12

Prerequisite: Aerospace Science III

This course of aerospace studies provides an emphasis upon developing the individual's knowledge of leadership and communicative skills. Academics include life success skills, including the Unlocking Your Potential series, the National Endowment for Financial Education Program, High School Financial Planning, and other management skills needed to lead a Corps of Cadets. Emphasis is placed on participating in the overall operation of the cadet organization and competitive drill as hands-on training. Field trips and a variety of co-curricular activities, planned and carried out by the students, are important parts of the course. Physical fitness is incorporated into this program and is 20% of the overall grade.

3334A Aerospace Science V 1 term-1 credit 12

Prerequisite: Aerospace Science III and IV and prior approval from the instructors.

The course is an advanced program in aerospace studies with continued emphasis on developing leadership and management skills of senior students. Academic concentration is on the management and leadership skills inherent in all leadership roles, both military and civilian. The students are provided with active supervision by the instructors, the students are provided hands-on experience for the operation of all the AFJROTC Cadet Corps activities. Physical fitness is incorporated into this program and is 20% of the overall grade.

SCIENCE

The Science Department offers an array of courses designed to fit the needs of all students. **Three units of science are required for graduation. One unit must be biology, and one unit must be either chemistry or physics.**

| Option 1 | Option 2 | Option 3 |
|-------------------------------|--|--|
| Environmental Science | Biology I | Biology I |
| Basic Biology I or Biology I | Chemistry I | Honors Chemistry I |
| Physical Science (only 11,12) | 3 rd science from list below: | 3 rd science from list below: |
| Physics | Honors Biology II | Honors Biology II |
| | Honors Chemistry II | Honors Chemistry II |
| | Honors Physics | Honors Physics |
| | Honors Anatomy/Physiology | Honors Anatomy/Physiology |

3260N Environmental Science–Academy Only year long-1 credit 9

Environmental science focuses on the interdependence between all living organisms and their environments. The impact of human beings on the environment is heavily emphasized in each unit covered. Some laboratory and fieldwork may be used to reinforce concepts learned in class.

3210N Biology I – Academy Only year long-1 credit 9

Biology is primarily an in-depth study of genetics, microbiology, botany, zoology, and ecology. Students completing this course are required to take an End of Course Exam, which will count towards a percentage of the overall grade. This course is intended for the student who plans to go into upper-level science

courses. It is recommended that ninth-graders choosing this course be enrolled in Honors Algebra I or Honors Geometry in order to be prepared for the next science course, Chemistry.

3260 Environmental Science 1 term-1 credit 9, 10, 11, 12

Environmental science focuses on the interdependence between all living organisms and their environments. The impact of human beings on the environment is heavily emphasized in each unit covered. Some laboratory and fieldwork may be used to reinforce concepts learned in class.

3210B Biology I 1 term-1 credit 9, 10, 11, 12

Biology I is primarily a study of genetics, microbiology, botany, zoology, and ecology. This course is designed specifically to prepare students for the end of course exam.

3210 Biology I University 1 term-1 credit 9, 10, 11, 12

It is strongly recommended that sophomores choosing to take this course have a credit in Environmental Science. Biology I is primarily an in-depth study of genetics, microbiology, botany, zoology, and ecology. Students completing this course are required to take the end of course exam.

3202 Physical Science 1 term-1 credit 11, 12

Physical science is a study of matter, energy, mechanical forces, light, sound, electricity, and the laws of motion.

3231R Physics 1 term-1 credit 11, 12

Prerequisite: Algebra I

Recommendation: Concurrent enrollment in or completion of Algebra II.

Physics is a science course designed to meet the third state science requirement for students not taking Chemistry I. Fields of study include statics, dynamics, thermodynamics, light, and electricity.

3221R Chemistry I 1 term-1 credit 10, 11, 12

Prerequisite: Algebra I and Biology I

Chemistry is a science course structured for university-bound students who have successfully completed Biology I. Students are introduced to the properties and behavior of matter beginning with an in-depth study of atomic theory. Other focuses of study include chemical bonding, stoichiometry, phases of matter, solution chemistry, and chemical reactions. Laboratory observations are based on the principles and concepts learned in class.

3221H Honors Chemistry I 1 term-1 credit 10, 11, 12

Prerequisite: Algebra I and Biology I

Chemistry is a science course structured for university-bound students who have successfully completed Biology I. Students are introduced to the properties and behavior of matter beginning with an in-depth study of atomic theory. Other focuses of study include chemical bonding, stoichiometry, phases of matter, solution chemistry, and chemical reactions. Laboratory observations are based on the principles and concepts learned in class. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3216H Honors Biology II 1 term-1 credit 11, 12

Prerequisite: Biology I and Chemistry I

Honors Biology II is structured for university-bound students. Honors Biology II is an advanced level course that includes many college biological topics such as taxonomy, microbiology, vertebrate and invertebrate zoology, botany, and greenhouse management. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3224H Honors Chemistry II 1 term-1credit 11, 12

Prerequisite: Chemistry I and Algebra II

Honors Chemistry II is an advanced level chemistry course for university-bound students and builds on the concepts from Chemistry I. Topics include oxidation-reduction, solution stoichiometry, equilibrium, pH, solubility, thermodynamics, kinetics, and electrochemistry. Lab experiments will reinforce the concepts studied in class. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3231H Honors Physics 1 term-1 credit 11, 12

Prerequisite: Algebra I and Algebra II

Recommendation: Concurrent enrollment in or completion of trigonometry.

Physics is an advanced science course for university-bound students. Fields of study include statics, dynamics, thermodynamics, light, and electricity. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

5509HQ Anatomy & Physiology 1 term-1 credit 11, 12

Prerequisite for concentrators: Health Science Education, Diagnostic Medicine, Biology I

Prerequisite for science credit only: Biology I

Recommended: Chemistry I

In this course, students will examine human anatomy and physical functions. They will analyze descriptive results of abnormal physiology and evaluate clinical consequences. A working knowledge of medical terminology will be demonstrated. Students may take this course as one of the four needed to be a concentrator in Health Sciences, or they may take it for a science credit.

5514HQ Forensic Science 1 term-1 credit 11, 12

Prerequisite for concentrators: Health Science Education, Diagnostic Medicine, Biology I

Prerequisite for science credit only: Biology I

Recommended: Chemistry I

This course is an overview of how science is applied to solve crimes. Topics including history of forensic sciences, collecting of evidence, analyzing results and hands-on applications of many laboratory techniques used in solving crimes and identifying people in future careers. Students will participate in a mock (staged) crime scene to apply knowledge and skills gained. Jobs include: Forensic nurses, odontologists, pathologists, psychiatrists, crime scene investigators, medical examiners/coroners, forensic technicians, criminalists, toxicologists, wildlife specialist, forensic engineers, accountants, computer specialists, aviation and construction accident investigators, forensic photographers, skull reconstructionists, document and polygraph examiners. Students may take this course as one of the four needed to be a concentrator in Health Sciences, or they may take it for a science credit.

Science Peer Teaching

Science Peer teaching is an **invitation-only course**. Stringent selection criteria are used to determine participant eligibility. Once selected, students must attend after-school training sessions at the beginning of the term. Then, they are assigned to a supervising teacher's classroom to provide additional academic support to underclassmen and to help motivate students with low self-confidence and to give one-on-one tutoring. No students may earn more than two peer teaching credits per school year; therefore, those students invited to peer teach in multiple curriculum areas may **not** register for more than two peer teaching classes.

SOCIAL STUDIES

| Option 1 | Option 2 | Option 3 |
|-----------------|-----------------------------------|--|
| World Geography | World Geography and World History | World Geography and Honors World History |
| U.S. History | U.S. History | Honors U.S. History |
| U.S. Government | U.S. Government | A.P. Government |
| Economics | Economics | Economics |

3410N World Geography – Academy Only year long-1 credit 9

World Geography studies the physical and cultural geography of the world. The physical portion includes the location of oceans, rivers, cities, landmasses, and national boundaries. Cultural geography includes the study of languages, religions, foods, music, housing, and employment of world cultures. Special emphasis is given to current world problems and issues.

3410 World Geography 1 term-1 credit 10, 11, 12

This course combines study of the physical and cultural geography of the world. The physical portion includes the location of oceans, rivers, cities, land masses, and national boundaries. Cultural geography includes the study of languages, religions, foods, music, housing, and employment of world cultures. Special emphasis is given to current world problems and issues.

3401 World History 1 term-1 credit 10, 11, 12

World History is a survey course designed to give the student an understanding of civilization from its origin in Asia, Africa, and Europe to the modern cultures of these three continents.

3401H Honors World History 1 term-1 credit 10, 11, 12

Honors World History is a survey course designed to give the student an understanding of civilization from its origin in Asia, Africa, and Europe to the modern cultures of these three continents. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3405 U.S. History 1 term-1 credit 11

This course will cover the reconstruction period (1865) to the present. Special emphasis will be given to World War II and the decade of the 1960s. This is a state requirement for all eleventh grade students. An End-of-Course Exam is required.

3405H Honors U.S. History 1 term-1 credit 11

After an accelerated overview of pre-Civil War history, Honors U.S. history will focus on American history from 1865(beginning of the Reconstruction period) to the present. In addition to the standard requirements of any U.S. history course, students in the honors class will be expected to complete a minimum of three formal historical analysis writing assignments, as well as selected readings from sources beyond the course textbook. A group project relating to a specific historical event or period will also be assigned. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3407 U.S. Government 1 term-1 credit 12

This course is a study of local, state, and federal government. Emphasis is placed on how government affects our daily lives and on foreign policy and its interaction with the American government.

3445AP AP U.S. Government 2 terms-1 credit 12

This is the early bird class that meets M-W-F year long at 7:00 A.M. AP American Government is an advanced study of government and politics in the United States. Students will study the basic principles of government, explore the institutions of national government, and examine the impact of political parties, interest groups, and the media on public policy in this country. In addition, students in AP Government will seek a deeper understanding of the civil rights and liberties shared by all American citizens. Advanced placement courses prepare students to take an exam in order to earn college credit. Students enrolling in this course are **required** to take the AP exam. There is a **required** examination fee for the course. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

3431 Economics 1 term-1 credit 12

Students study the market economy and the free enterprise system with emphasis on the role of government and the individual in the system. The course includes a survey of macro and microeconomics and their effect on the daily lives of students. Many practical topics, such as banking, taxes, voting, financial investment, and others, will be reviewed.

3404 Bible History – Academy Only 1 term-1 credit 9

This elective course will give the student a broad understanding of the Bible as a historical source. Through this review, the student will study the validity of the Bible with respect to understanding ancient societies’ cultures, world-view, and legal system. This understanding will help enable the student to analyze the heritage of the Middle East and its effect on the world today.

3433 Psychology 1 term-1 credit 10, 11, 12

This course will explore human behavior. Students will study how emotions, gender, stress, socio-cultural, and socioeconomic factors influence their decision-making process. Students will examine different learning styles, problem-solving techniques, and psychological tests.

3497 Appalachian Studies 1 term-1 credit 10, 11, 12

This course will be a compilation of studies—culture, history, geography, recreational activities, music—all relating to the East Tennessee / Western North Carolina region. There will be a special emphasis on Blount County’s people and places.

3435 Contemporary Issues 1 term-1 credit 10, 11, 12

This course brings together all the social studies--geography, history, civics, etc.--to explore the vital issues concerning our world today. Students will conduct in-depth explorations of major issues using guided readings, discussions, research, debates, simulations, videos, and other learning activities. Special emphasis will be placed in how these issues affect our area.

3403 Modern History 1 term-1credit 10, 11, 12

Prerequisite: World History

This course is a study of world events and trends since the Great Depression, including World War II and the Cold War, as well as their impact on the present and their implications for the future. In addition to standard requirements for World and US Histories, students will gain a more in-depth understanding of the political, economic, and cultural relationships among the nations of the world both present and past through firsthand accounts of guest speakers and hands-on demonstrations. Students may also be able to participate in a multinational European field trip to personally experience some of the major nations which they have studied throughout the course.

Social Studies Peer Teaching

Social Studies Peer Teaching is an invitation-only course. Stringent selection criteria are used to determine participant eligibility. Once selected, students must attend after-school training sessions at the beginning of the term. Then, they are assigned to a supervising teacher’s classroom to provide additional academic support to underclassmen and to help motivate students with low self-confidence and to give one-on-one tutoring. No student may earn more than two peer teaching credits per school year; therefore, those students

invited to peer teach in multiple curriculum areas may **not** register for more than two peer teaching classes.

WELLNESS

Students may not take more than one Wellness/P.E. class per term, except for students involved in Freshman Football.

3303N Lifetime Wellness/PE - Academy Only 2 terms-2 credits 9

This course introduces the student to the life-long process of positive lifestyle management that seeks to integrate the emotional, social, intellectual, and physical dimensions of self for a longer, more productive, and higher quality of life. Students completing this course will be better prepared to assume responsibilities for personal wellness.

3303 Lifetime Wellness 1 term-1 credit 10, 11, 12

The objective of this course is to aid the student in development of a life-long process of positive lifestyle management that seeks to integrate the emotional, social, intellectual, and physical dimensions of a self for a longer, more productive, and higher quality life.

3302 Strength and Conditioning (P.E. II) 1 term-1 credit 10, 11, 12

Prerequisite: Wellness credit

Strength and Conditioning is offered to any student who is seriously interested in increasing his or her fitness level through strength training, flexibility, plyometrics, agility/quickness drills, and speed development. This course is highly recommended for all students who have an interest in physical activity. Daily workouts in athletic dress are required. Repeaters must have approval from instructor/coach.

3302T Team Sports 1 term-1 credit 11

Prerequisite: Wellness credit

The objective of this course is to provide the student with knowledge of the history, rules, and basic skills of various team sports including, but not limited to, touch football, softball, soccer, basketball, and volleyball. This course may not be repeated.

3302I Individual and Dual Sports 1 term-1 credit 12

Prerequisite: Wellness credit

The objective of this course is to provide the student with knowledge of the history, rules, and basic skills of various individual and dual sports including, but not limited to, tennis, badminton, track and field, racquetball, and bowling. This course may not be repeated.

3302A Strength/Conditioning A/B 1 term-1credit 10, 11, 12

Prerequisite: Instructor/coach approval

This course is for physically advanced students. Students will lift in weight room four days a week. Emphasis will be placed on advanced lifting techniques, nutrition, speed, quickness, and fundamentals.

DRIVER EDUCATION

Prerequisite: Student must have a valid Tennessee Learner's Permit or License

All strands of the state curriculum are covered in this course. Focus is on helping students who have not mastered standardized performance objectives.

SPECIAL SERVICES

3499SE

Special Services Peer Buddy

1 term-1 credit

11, 12

Prerequisite: Application and approval of teacher

This course is designed to enable students to develop peer relationships while acting as peer buddies and positive role models for students with special needs. The buddies will receive instruction about various types of disabilities and learning problems, instructional techniques for students with disabilities, and ideas on how to help increase the social skills, interactions, and participation of their peers with special needs in the day-to-day activities at their school and in their community. The course can be taken as an elective for one credit per semester, one class period per day. Students must meet the following criteria: (a) an interest in the peer tutoring program, (b) an adequate GPA, (c) good attendance, (d) a recommendation from a teacher or counselor, and (e) a personal schedule of studies allowing for an elective.

CAREER TECHNICAL EDUCATION

The technology courses assist the students in acquiring personal and technical skills that will enable them to gain employment with job entry-level skills or to enter a post-secondary training program, an apprenticeship, and/or a college or university for additional training. The technology curricula are designed to be 2 or 3-year programs for students in grades 10, 11, and 12. The first year gives students basic theory and training in a variety of activities. Second-year students receive advanced lab training and on-the-job experience. Third-year courses are available in most areas. Students must have the permission of the instructor and be involved in work-based learning. Clubs are an integral part of each technical course and are designed to develop leadership.

Students in a Career Technical Education (CTE) Focus must take 3 classes in an area of interest. See focus areas in the chart listed below.

Prerequisites listed in the technical area of the book are required before students are allowed to take the listed course for which it applies.

FOCUS AREAS CAREER TECHNICAL EDUCATION

**AGRICULTURE, FOOD, AND NATURAL RESOURCES

Power, Structures and Technical Systems

Principles of Agriculture Science
Agricultural Mechanics and Maintenance
Agricultural Power and Equipment
Principles of Agricultural Engineering

Environmental and Natural Resources

Principles of Agriculture Science
Forestry
Wildlife Management
Plant and Soil Science

Plant Systems

Landscaping and Turf Science
Principles of Agriculture Science

Plant Systems

Horticulture Production
Principles of Agriculture Science

or
Principles of Horticultural Science
Landscaping & Turf Management
Greenhouse Management
Plant Biotechnology

or
Principles of Horticultural Science
Greenhouse Management
Plant Biotechnology

****ARCHITECTURE AND CONSTRUCTION**

Design and Preconstruction

Career Management Success
Computer Aided Drafting
Advanced Computer Aided Drafting

Construction Welding

Career Management Success
Construction Core
Basic Principles of Welding
Advanced Welding Applications

Construction Carpentry

Career Management Success
Construction Core
Carpentry I
Carpentry II

Interior Design

Family and Consumer Sciences
Interior Design
Housing
Life Connections

****ARTS, A/V TECHNOLOGY & COMMUNICATION**

Design Communications

Computer Applications
Career Management Success
Visual Communications
Digital Imaging and Design

****BUSINESS, MANAGEMENT, AND ADMINISTRATION**

Business Financial Management and Accounting

Computer Applications
Accounting I
Accounting II
Business Management

****FINANCE**

Banking and Finance

Computer Applications
Accounting I
Personal Finance/Financial Planning

Business Management

****HEALTH SCIENCE**

Biotechnology Research and Development

Health Science Education (Honors)

Diagnostic Medicine

Anatomy & Physiology

Forensic Science

Diagnostic Medicine

Health Science Education (Honors)

Rehabilitative Therapies

Diagnostic Medicine

Clinical Internship

Therapeutic Emergency Services

Health Science Education (Honors)

Medical Therapeutics

Anatomy & Physiology

Emergency Medical Services

Therapeutic Services

Health Science Education (Honors)

Medical Therapeutics

Anatomy & Physiology

Nursing Education

****HUMAN SERVICES**

Personal Care Services

Career Management Success

Principles of Cosmetology

Design Principles of Cosmetology

Chemistry of Cosmetology

Consumer Services

Family & Consumer Science

Consumer Economics

Personal Finance

Life Connections

Family and Community Services

Family & Consumer Science

Child & Lifespan Development

Nutrition & Foods

Life Connections

****HOSPITALITY AND TOURISM**

Food and Beverage Services

Career Management Success

Culinary Arts I
Culinary Arts II
Culinary Arts III

Recreation, Attractions, Sports and Entertainment

Exploration in Marketing
Marketing I
Travel and Tourism
Sports and Entertainment

****MARKETING, SALES AND SERVICES**

Merchandising

Exploration in Marketing
Marketing I
Marketing II
Retail Operations

****INFORMATION TECHNOLOGY**

Interactive Multimedia

Computer Applications
Interactive Multimedia Presentation
Desktop Publishing
Integrated Input Technology

Web Design

Computer Applications
Web Site I—Foundations
Web Page Design II—Site Designer
Web Page Design II—eCommerce

****TRANSPORTATION, DISTRIBUTION AND LOGISTICS**

Automotive Technology

Transportation Core
Brakes
Steering & Suspension
Electrical/Electronics

Collision Repair Technology

Transportation Core
Collision: Non Structural
Collision: Structural
Painting and Refinishing

AGRICULTURE, FOOD, AND NATURAL RESOURCES

Power, Structures and Technical Systems

5104 **Principles of Agriculture Science** **1 term-1 credit** **9**
Principles of Agricultural Science is designed to develop the basic theories and principles involved in animal science, agribusiness, agricultural mechanics, and natural resource management. The standards

prepare students to choose among agricultural careers for the 21st century.

5101/5155 Agriculture Mechanics & Maintenance 1 term-1 credit 10, 11, 12
Prerequisite: Principles of Agriculture Science

Students in this course will learn how to work in the shop productively and safely. Students will learn the basics in skill areas such as surveying, tool identification, electricity, plumbing, wood construction, welding, and small engine maintenance.

5102/5152 Agriculture Power & Equipment 1 term-1 credit 11, 12
Prerequisite: Agriculture Mechanics and Maintenance

Students will learn how to repair and maintain small internal combustion engines. Students will learn techniques used to restore antique farm equipment and will restore equipment in the class. Students will learn how to troubleshoot engines by diagnosing problems that commonly occur in electrical, combustion, and compression systems.

5128/5178 Principles of Agriculture Engineering 1 term-1 credit 11, 12
Prerequisite: Agriculture Mechanics & Maintenance

Students will learn how to design, develop a list of materials, and construct projects of wood and/or metal. Emphasis will be placed on design and construction of projects that can be completed in a semester.

Environmental and Natural Resources

5104 Principles of Agriculture Science 1 term-1 credit 9

Principles of Agricultural Science is designed to develop the basic theories and principles involved in animal science, agribusiness, agricultural mechanics, and natural resource management. The standards prepare students to choose among agricultural careers for the 21st century.

5124/5174 Wildlife Management and Recreation 1 term-1 credit 10, 11, 12

Prerequisite: Principles of Agriculture Science

Students will learn about wildlife conservation. Students will learn the economic importance of wildlife and the role wildlife has played in the history of man. Students will learn how to manage and preserve threatened wildlife, as well as controlling the population of potentially invasive wildlife species.

5115/5165 Forestry 1 term-1 credit 11, 12

Prerequisite: Principles of Agriculture Science

Students in forestry will learn how trees are beneficial and necessary for human survival. Students will learn ways to identify trees and determine the value of tree products. Students will also learn wildlife management and forest management for maximum timber production.

Plant Systems

Horticulture Production

5104 Principles of Agriculture Science 1 term-1 credit 9

Principles of Agricultural Science is designed to develop the basic theories and principles involved in animal science, agribusiness, agricultural mechanics, and natural resource management. The standards prepare students to choose among agricultural careers for the 21st century.

5134/5184 Principles of Horticultural Sciences 1 term-1 credit 10, 11, 12

This course introduces students to the vast areas of the horticulture industry. Topics include leadership, greenhouse management, garden center operations, floriculture, nursery operations, landscaping, and turf grass management. An introduction to plant and soil science is included as a necessary foundation to the success of today's horticulturalist.

5117/5167 Greenhouse Management 1 term-1 credit 10, 11, 12

Prerequisite: Principles of Agriculture Science or Principles of Horticultural Science

This course is designed to prepare a student to manage a green house operation. Students in this class will learn to produce various ornamental crops and food crops. An understanding of structures, crop selection, and growing systems will be explored.

5125/5175 Plant Biotechnology 1 term-1 credit 10, 11, 12

Prerequisite: Greenhouse Management

This course is to prepare students with interest in higher level science based plant agriculture. Students enrolled in this course will study rigorous standards related to the principles of plant growth, cell structure and functions, heredity and genetics (molecular biology), plant breeding and improvement, hormones and growth regulators, chemical nature of plant life, flower structure and function, seed formation and germination, DNA and biotechnology, and emerging technologies. Students will use scientific investigation to determine a plant problem. FFA and supervised experience will be included as appropriate.

Landscaping and Turf Science

5104 Principles of Agriculture Science 1 term-1 credit 9

Principles of Agricultural Science is designed to develop the basic theories and principles involved in animal science, agribusiness, agricultural mechanics, and natural resource management. The standards prepare students to choose among agricultural careers for the 21st century.

5134/5184 Principles of Horticultural Sciences 1 term-1 credit 10, 11, 12

This course introduces students to the vast areas of the horticulture industry. Topics include leadership, greenhouse management, garden center operations, floriculture, nursery operations, landscaping, and turf grass management. An introduction to plant and soil science is included as a necessary foundation to the success of today's horticulturalist.

5113/5163 Landscaping and Turf Management 1 term-1 credit 11, 12

Prerequisite: Principles of Agriculture Science or Principles of Horticultural Science

This course is designed 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.

5117/5167 Greenhouse Management 1 term-1 credit 10, 11, 12

Prerequisite: Principles of Agriculture Science or Principles of Horticultural Science

This course is designed to prepare a student to manage a green house operation. Students in this class will learn to produce various ornamental crops and food crops. An understanding of structures, crop selection, and growing systems will be explored.

5125/5175 Plant Biotechnology 1 term-1 credit 10, 11, 12

Prerequisite: Greenhouse Management

This course is to prepare students with interest in higher level science based plant agriculture. Students enrolled in this course will study rigorous standards related to the principles of plant growth, cell structure and functions, heredity and genetics (molecular biology), plant breeding and improvement, hormones and growth regulators, chemical nature of plant life, flower structure and function, seed formation and germination, DNA and biotechnology, and emerging technologies. Students will use scientific investigation to determine a plant problem. FFA and supervised experience will be included as appropriate.

ARCHITECTURE AND CONSTRUCTION

Design and Preconstruction

5701 **Career Management Success** **1 term-1 credit** **10, 11, 12**

This course provides students with tools for achieving success in their academic, work, and personal lives. Course content emphasizes the basic skills and knowledge needed for employment success as identified by industry and supported by relevant national standards. All course content is presented in a real-world context, providing concrete opportunities for developing personal and career goals, effective communication skills, teamwork abilities, and successful work attitudes. Upon completion of course, students will be able to complete the *Professional Development Program Level I and Level II* of Skills USA or other degree programs in the other career and technical youth organizations.

5788C **Computer Aided Drafting** **1 term-2 credits** **10, 11, 12**
Year-long-2 credits

Concurrent: Algebra 1, basic experience with Windows

Computer Aided Drafting is a course in which students learn the basic concepts of scale drawings and orthographic projections by making simple two- and three-dimensional drawings using manual drafting tools and computer-aided design (CAD). Course content will enable the students to make the transition into the use of CAD software by having them make increasingly sophisticated drawings. Student teamwork will culminate in a class project to create a complete set of construction and assembly drawings for a mechanical product. This class is a concentration of basic drafting skills and a very basic beginning of architecture.

5789 **Advanced Computer Aided Drafting** **1 term-2 credits** **11, 12**

Prerequisite: Computer Aided Drafting, Algebra 1

Advanced Computer Aided Drafting is a course in which students will learn to use a CAD program to create engineering drawings, including plan drawings, assembly drawings, welding and process drawings, cross sections, 3D representations, and bills of materials. The course consists primarily of individual drawing projects, with some group projects. Emphasis is on drawing projects of increasing complexity. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)* This class expands on the skills learned in CAD other types of mechanical drawings as mentioned. This is also a broader study of architecture.

Construction Welding

5701 **Career Management Success** **1 term-1 credit** **10, 11, 12**

This course provides students with tools for achieving success in their academic, work, and personal lives. Course content emphasizes the basic skills and knowledge needed for employment success as identified by industry and supported by relevant national standards. All course content is presented in a real-world context, providing concrete opportunities for developing personal and career goals, effective communication skills, teamwork abilities, and successful work attitudes. Upon completion of course, students will be able to complete the *Professional Development Program Level I and Level II* of Skills USA or other degree programs in the other career and technical youth organizations.

5730 **Construction Core** **1 term-1 credit** **10, 11, 12**

Construction Core is a course that will introduce students to basic skills and knowledge applicable to all construction trades. Topics include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and the application of algebraic and geometric principles to construction problems.

5786 **Basic Principles of Welding** **1 term-2 credits** **10, 11, 12**

Prerequisites: Construction Core

Recommended: Algebra I or Computer Aided Drafting

Basic Principles of Welding is a course in which students learn basic skills and knowledge related to cutting and welding applications. Welding and cutting skills will be developed in the context of a series of projects. Combined with the second year course, *Welding Applications*, the student should be prepared for Entry Level Welding Certification, as defined by American Welding Society (AWS) QC10.

5787 Advanced Welding Applications 1 term-2 credits 11, 12

Prerequisite: Principles of Welding, Recommended: Algebra 1, Engineering Design (CAD)

This course is designed to follow Principles of Welding, in which students learn more advanced techniques and skills related to cutting and welding applications, particularly as they relate to stainless steel and aluminum. Welding and cutting skills will be developed in the context of a series of projects. Following the completion of this course, the students will be prepared for Entry Level Welding Certification, as defined by American Welding Society (AWS) QC10. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

Construction Carpentry

5701 Career Management Success 1 term-1 credit 10, 11, 12

This course provides students with tools for achieving success in their academic, work, and personal lives. Course content emphasizes the basic skills and knowledge needed for employment success as identified by industry and supported by relevant national standards. All course content is presented in a real-world context, providing concrete opportunities for developing personal and career goals, effective communication skills, teamwork abilities, and successful work attitudes. Upon completion of course, students will be able to complete the *Professional Development Program Level I and Level II* of Skills USA or other degree programs in the other career and technical youth organizations.

**5730 Construction Core 1 term-1 credit 10, 11, 12
12th- 1st term only**

Construction Core is a course that will introduce students to basic skills and knowledge applicable to all construction trades. Topics include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and the application of algebraic and geometric principles to construction problems.

5731 Carpentry I 1 term-2 credits 10, 11, 12

Prerequisites: Construction Core

Recommended: Algebra I

This course will introduce students to basic skills and knowledge related to residential and commercial carpentry. Topics covered include wood, metal, and concrete building materials; fasteners; hand and power tools; fabrication based on construction plans; and framing of platform and post-and-beam structures, in both wood and metal. This course gives students an introduction to the skill and knowledge base typically required for apprentice carpenters.

5732 Carpentry II 1 term- 2 credits 11, 12

Prerequisites: Construction Core, Carpentry I, Algebra I

Recommended: Geometry, Principles of Technology or Physical Science

In this course, students will extend their skills and knowledge related to residential and commercial carpentry. Topics covered include stairs, installation and trim of windows and doors, installation and repair of gypsum wallboard, advanced site layout, exterior finish work, thermal and moisture protection, and an introduction to welding. This course gives students a substantial skill and knowledge foundation typically required for apprentice carpenters.

Interior Design

5603 **Family and Consumer Science** **1 term-1 credit** **10, 11**

Formerly titled Home Economics, this is a comprehensive course that provides instruction in all home economics subject areas, including decision-making, interpersonal relationships, personal appearance and wardrobe planning, clothing care, interior design principles, simple sewing, basic nutrition and food preparations. The FCCLA Club is part of this class.

5611 **Interior Design** **1/2 term-1/2 credit*** **11, 12**

Interior Design is a specialized course focusing on the interior of living environments. The course includes instruction in the fundamentals of interior design; the application of skills, knowledge, and design principles to the living environment; interior design occupations and careers; universal and “green” design; and professional and marketing skills. Instruction includes academic integration and technology applications. *Family, Career and Community Leaders of America (FCCLA)*, the co-curricular student organization, provides students with opportunities for leadership development, personal growth, and school/community involvement.

*Interior Design will be taken with Housing for a full credit.

5614 **Housing** **1/2 term-1/2 credit*** **11, 12**

Housing is a specialized course designed to prepare students to understand the influences affecting housing decisions. Emphasis is on using available resources effectively to meet individual housing needs. The integration of *Family, Career and Community Leaders of America (FCCLA)* provides students with the opportunity for leadership development, personal growth, and school/community involvement.

*Housing will be taken with Interior Design for a full credit.

5623 **Life Connections** **1 term-1 credit** **12 only**

Formerly titled “Adult Living”

This course is designed for upperclassmen who want to learn practical skills for living on their own. Students will be involved in decision-making and goal-setting activities related to adult living. Topics include personal relationships, time and money management, planning for future credit, savings and investments, clothing upkeep, healthy eating, food shopping on a budget, and simple meal preparation.

ARTS, A/V TECHNOLOGY AND COMMUNICATION

Design Communications

5701 **Career Management Success** **1 term-1 credit** **10, 11, 12**

This course provides students with tools for achieving success in their academic, work, and personal lives. Course content emphasizes the basic skills and knowledge needed for employment success as identified by industry and supported by relevant national standards. All course content is presented in a real-world context, providing concrete opportunities for developing personal and career goals, effective communication skills, teamwork abilities, and successful work attitudes. Upon completion of course, students will be able to complete the *Professional Development Program Level I and Level II* of Skills USA or other degree programs in the other career and technical youth organizations.

5759C **Visual Communications** **1 term-1 credit** **11, 12**

Recommended Prerequisite: *Computer Applications*

Students will learn Adobe software used in the graphic industry, work with vector and bitmap graphics, and cover topics such as teamwork, copyrights, leadership, art history, photography, and design principles.

5762D/5762SP **Digital Imaging and Design** **4 terms-4 credits** **11, 12**

Prerequisite: Visual Communications

This is the advanced graphic art class. It is a project-based class, wherein students use knowledge gained in visual communication to complete projects for the entire school, including animations, movies, etc. Deadlines are very important to the ability to multi-task in a technical setting.

5755F **Information Technology Foundations** **1 term-1 credit** **10, 11, 12**

Formerly: Computer Repair and Maintenance

Recommended Prerequisite: Computer Applications

This course is designed to prepare students with work-related skills and for advancement in the telecommunication and information technology career paths. Content provides students the opportunity to acquire basic foundational knowledge and skills in both theory and practical applications in direct current, alternating current, and power supply circuits. Course content includes fundamentals of networking concepts for personal computers (PC), networking, determining system requirements, setting up equipment, and performing installation tests for the end user. Content provides the opportunity to evaluate and install peripheral devices and become familiar with operating systems. Course content provides students the opportunity to acquire basic fundamental skills in both theory and practical applications of language, structure, and typography. Course content will be delivered through virtual training and hands on methods. Competencies mastered during this course help prepare students toward acquiring a Web, A+, or Net+ certification.

BUSINESS, MANAGEMENT, FINANCE, AND ADMINISTRATION

The Business Education curriculum allows students to develop competency in business and office occupations and makes students better consumers and better members of the economic community. Courses in technical training are offered, as well as courses for personal use.

Students graduating from high school in Blount County are required to earn one computer credit.

Banking and Finance

3718 Computer Applications 1 term-1 credit 10, 11, 12

This course is designed to develop computer technology skills. Students will use a variety of computer software and hardware tools and features of an electronic information network. 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. This is an entry-level class replacing the class formerly known as keyboarding.

Note: If a student has already earned a credit in Career Management Success, Keyboarding, or has fulfilled his or her single required computer credit, that student **may not** enroll in Computer Applications

3713 Financial Planning 1 term-1/2 credit* 10, 11, 12

Financial Planning is a course designed to develop skills in the use of financial principles in making business decisions. Students will research job qualifications and employment opportunities in finance. The course includes a study of the allocation of financial resources, the effects of finance and credit institutions on the business community and the impact of financial decisions on the consumer market. Ethical issues will be presented in this course.

*Financial Planning will be taken with Personal Finance for a full credit.

3766 Personal Finance 1 term-1/2 credit* 11, 12

Personal Finance is a course 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. Students will design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

The co-curricular student organization will provide students with opportunities for leadership development, personal growth, and school/community involvement.

*Personal Finance will be taken with Financial Planning for a full credit.

3779 Accounting I (Computerized) 1 term-1 credit 10, 11, 12

This course is recommended for students going into the workplace or getting degrees in business, accounting, or pre-law. This class is also a good elective for learning personal finance skills. Computerized Accounting I will focus on introductory accounting skills that are fully integrated with computerized accounting software. From internet access to using a variety of computer applications, students will have ample opportunities to practice computer technology while learning accounting concepts. Fundamentals include the basic accounting cycle; accounting, for a payroll system; and accounting for a merchandising and service business, sole proprietorship, and partnership. Cash control systems, taxes, and reports will be analyzed.

3756 Banking Management 1 term-1 credit 11, 12

Students in Business Management will develop a foundation in the many activities, problems, and decisions that are intrinsic to the management of a successful business, as well as an appreciation for the importance of these responsibilities. Areas to be examined include business organization, ethical and legal responsibilities, communication, decision-making, personnel, safety, professional development and related careers. By gaining an understanding of these areas, students will be better prepared to enhance the business decisions of tomorrow.

Business Financial Management and Accounting

3718 Computer Applications 1 term-1 credit 10, 11, 12

This course is designed to develop computer technology skills. Students will use a variety of computer software and hardware tools and features of an electronic information network. 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. This is an entry-level class replacing the class formerly known as keyboarding.

Note: If a student has already earned a credit in Career Management Success, Keyboarding, or has fulfilled his or her single required computer credit, that student **may not** enroll in Computer Applications

3779 Accounting I (Computerized) 1 term-1 credit 10, 11, 12

This course is recommended for students going into the workplace or getting degrees in business, accounting, or pre-law. This class is also a good elective for learning personal finance skills. Computerized Accounting I will focus on introductory accounting skills that are fully integrated with computerized accounting software. From internet access to using a variety of computer applications, students will have ample opportunities to practice computer technology while learning accounting concepts. Fundamentals include the basic accounting cycle; accounting, for a payroll system; and accounting for a merchandising and service business, sole proprietorship, and partnership. Cash control systems, taxes, and reports will be analyzed.

3780 Accounting II (Computerized) 1 term-1 credit 11, 12

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, partnership and corporation. Departmental, management, cost and not-for-profit accounting systems are explored.

3707 Business Management 1 term-1 credit 11, 12

Students in Business Management will develop a foundation in the many activities, problems, and decisions that are intrinsic to the management of a successful business, as well as an appreciation for the importance of these responsibilities. Areas to be examined include business organization, ethical and legal

responsibilities, communication, decision-making, personnel, safety, professional development and related careers. By gaining an understanding of these areas, students will be better prepared to enhance the business decisions of tomorrow.

HEALTH SCIENCE

Every course that is offered within the health science program of studies embodies learning objectives that emphasize and continually revisit the following standards and competencies: medical ethics and legal responsibilities, safety within clinical practice, professionalism and job-seeking skills in health care, basic patient care skills, medical terminology, and Health Occupations Students of America (HOSA) membership and related activities such as community service, academic competitions, leadership development and team-building workshops.

Biotechnology Research and Development

5504 Health Science Education 1 term-1 credit 10, 11, 12

Health Science 5504 is a prerequisite to all other Health Science courses. This introductory course acquaints the student with beginning principles of health care, services offered by health care systems, careers in the health care industry, the fundamentals of nutrition, and basic patient care skills. Components of human growth and development, cultural diversity, and communication skills are emphasized as they relate to the medical setting. Other highlights include current events in medicine, medical math, medical ethics, and medical terminology. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

5504H Health Science Education Honors 1 term-1 credit 10, 11,12

Health Science Honors 5504H is a prerequisite to all other Health Science courses. This introductory course acquaints the student with beginning principles of health care, services offered by health care systems, careers in the health care industry, the fundamentals of nutrition, and basic patient care skills. Components of human growth and development, cultural diversity, and communication skills are emphasized as they relate to the medical setting. Other highlights include current events in medicine, medical math, medical ethics, and medical terminology. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.) This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

5511 Diagnostic Medicine 1 term-1 credit 10, 11, 12

Prerequisite: Health Science Education

The students will learn the ways diagnostic medicine creates a picture of an individual's health at a single point in time. This could include, but is not limited to, cardiology, imaging, medical laboratory, radiology and other forms of diagnostic medicine.

5509HQ Anatomy & Physiology 1 term-1 credit 11, 12

Prerequisite for concentrators: Health Science Education, Diagnostic Medicine, Biology I

Prerequisite for science credit only: Biology I

Recommended: Chemistry I

In this course, students will examine human anatomy and physical functions. They will analyze descriptive results of abnormal physiology and evaluate clinical consequences. A working knowledge of medical terminology will be demonstrated. Students may take this course as one of the four needed to be a concentrator in Health Sciences, or they may take it for a science credit.

5514HQ Forensic Science 1 term-1 credit 11, 12

Prerequisite for concentrators: Health Science Education, Diagnostic Medicine, Biology I

Prerequisite for science credit only: Biology I

Recommended: Chemistry I

This course is an overview of how science is applied to solve crimes. Topics including history of forensic sciences, collecting of evidence, analyzing results and hands-on applications of many laboratory techniques used in solving crimes and identifying people in future careers. Students will participate in a mock (staged) crime scene to apply knowledge and skills gained. Jobs include: Forensic nurses, odontologists, pathologists, psychiatrists, crime scene investigators, medical examiners/coroners, forensic technicians, criminalists, toxicologists, wildlife specialist, forensic engineers, accountants, computer specialists, aviation and construction accident investigators, forensic photographers, skull reconstructionists, document and polygraph examiners. Students may take this course as one of the four needed to be a concentrator in Health Sciences, or they may take it for a science credit.

Diagnostic Services

5504 Health Science Education 1 term-1 credit 10, 11, 12

Health Science 5504 is a prerequisite to all other Health Science courses. This introductory course acquaints the student with beginning principles of health care, services offered by health care systems, careers in the health care industry, the fundamentals of nutrition, and basic patient care skills. Components of human growth and development, cultural diversity, and communication skills are emphasized as they relate to the medical setting. Other highlights include current events in medicine, medical math, medical ethics, and medical terminology. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

5504H Health Science Education Honors 1 term-1 credit 10, 11,12

Health Science Honors 5504H is a prerequisite to all other Health Science courses. This introductory course acquaints the student with beginning principles of health care, services offered by health care systems, careers in the health care industry, the fundamentals of nutrition, and basic patient care skills. Components of human growth and development, cultural diversity, and communication skills are emphasized as they relate to the medical setting. Other highlights include current events in medicine, medical math, medical ethics, and medical terminology. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.) This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

5503 Rehabilitative Therapies 1 term-1 credit 10, 11, 12

Prerequisite: Health Science Education

The student will learn to differentiate between therapeutic career options, diagram human structure and describe human functions, organize and assess patient history and apply appropriate rehabilitation therapies for medical conditions.

5511 Diagnostic Medicine 1 term-1 credit 12

Prerequisite: Health Science Education, Biology 1

Required: This course is a mandatory companion course to Clinical Internship. Only students who have approval for Clinical Internship need to register for this course.

Recommended: Chemistry I

The students will learn the ways diagnostic medicine creates a picture of an individual's health at a single point in time. This could include, but is not limited to, cardiology, imaging, medical laboratory, radiology and other forms of diagnostic medicine.

5501H Clinical Internship 1 term-1 credit 12

Prerequisites: Health Science Education, Medical Therapeutics.

Required: Students registered for Clinical Internship must also register for Diagnostic Medicine.

Recommended: Biology and Chemistry

These courses are taught concurrently during two consecutive blocks and are designed to reinforce and apply previously learned competencies by providing students the opportunity to gain hands-on clinical experience through job shadowing in a variety of health care settings. Higher level, critical thinking is exercised as students develop patient care skills and complete research within the context of each clinical area. Internships are available in medicine, nursing, veterinary medicine, mortuary science, radiology, dentistry, physical therapy, and others.

Instructor approval is necessary prior to registration and is determined by an application process. Upcoming juniors and seniors who have successfully completed prerequisites, exhibited strong personal and academic maturity, and have an earnest desire to explore a medical career are encouraged to apply. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

Therapeutic Emergency Services

5504 Health Science Education 1 term-1 credit 10, 11, 12

Health Science 5504 is a prerequisite to all other Health Science courses. This introductory course acquaints the student with beginning principles of health care, services offered by health care systems, careers in the health care industry, the fundamentals of nutrition, and basic patient care skills. Components of human growth and development, cultural diversity, and communication skills are emphasized as they relate to the medical setting. Other highlights include current events in medicine, medical math, medical ethics, and medical terminology. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

5504H Health Science Education Honors 1 term-1 credit 10, 11,12

Health Science Honors 5504H is a prerequisite to all other Health Science courses. This introductory course acquaints the student with beginning principles of health care, services offered by health care systems, careers in the health care industry, the fundamentals of nutrition, and basic patient care skills. Components of human growth and development, cultural diversity, and communication skills are emphasized as they relate to the medical setting. Other highlights include current events in medicine, medical math, medical ethics, and medical terminology. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.) This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

5506 Medical Therapeutics 1 term-1 credit 10, 11, 12

Prerequisite: Health Science Education

This course provides knowledge and skills to maintain or change to the health status of an individual over time. This could include careers such as, dental, dietetics, medical assistants, home health, nursing, pharmacy, respiratory, social work, nutritionist, physician, psychiatrist, psychologist, veterinarian, gerontology service provider, medical practice owner, attorney for health care, and others.

5509HQ Health Science Anatomy & Physiology 1 term-1 credit 11, 12

Prerequisite for concentrators: Health Science Education, Diagnostic Medicine, Biology I

Prerequisite for science credit only: Biology I

Recommended: Chemistry I

In this course, students will examine human anatomy and physical functions. They will analyze descriptive results of abnormal physiology and evaluate clinical consequences. A working knowledge of medical terminology will be demonstrated. Students may take this course as one of the four needed to be a concentrator in Health Sciences, or they may take it for a science credit.

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|---------------------|------------------------------------|-----------------------------|---------------|
| 5510H/EMT109 | Emergency Medical Services | 1 term-1 credit | 11, 12 |
| | Dual Enrollment Roane State | 3 hrs college credit | |

Prerequisite: Health Science Education, 3.0 GPA

Emergency Medical Service (EMS) is offered as a dual enrollment course with Roane State community College. This is the initial training course in the art of pre-hospital emergency medical care that follows the guidelines set by the Department of Transportation (D.O.T.). First Responders are individuals trained to assess patients, use AED's, provide emergency care, and move patients without causing injury. Students will receive a high school credit, as well as three hours of college credit in emergency Medical Technology. Upon successful completion of this course, students will be eligible to certify as First Responders by taking the state licensure exam given by the Department of Health, Division of emergency Medical Services. Students must be a junior or senior, 17 years of age or older, and have a GPA of 3.0 or greater. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.*

Therapeutic Services

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|-------------|---------------------------------|------------------------|-------------------|
| 5504 | Health Science Education | 1 term-1 credit | 10, 11, 12 |
|-------------|---------------------------------|------------------------|-------------------|

Health Science 5504 is a prerequisite to all other Health Science courses. This introductory course acquaints the student with beginning principles of health care, services offered by health care systems, careers in the health care industry, the fundamentals of nutrition, and basic patient care skills. Components of human growth and development, cultural diversity, and communication skills are emphasized as they relate to the medical setting. Other highlights include current events in medicine, medical math, medical ethics, and medical terminology. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

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| 5504H | Health Science Education Honors | 1 term-1 credit | 10, 11,12 |
|--------------|--|------------------------|------------------|

Health Science Honors 5504H is a prerequisite to all other Health Science courses. This introductory course acquaints the student with beginning principles of health care, services offered by health care systems, careers in the health care industry, the fundamentals of nutrition, and basic patient care skills. Components of human growth and development, cultural diversity, and communication skills are emphasized as they relate to the medical setting. Other highlights include current events in medicine, medical math, medical ethics, and medical terminology. *This course meets the state framework requirements to be designated an honors class and is eligible for the additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.) This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

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|-------------|-----------------------------|------------------------|-------------------|
| 5506 | Medical Therapeutics | 1 term-1 credit | 10, 11, 12 |
|-------------|-----------------------------|------------------------|-------------------|

Prerequisite: Health Science Education

This course provides knowledge and skills to maintain or change to the health status of an individual over time. This could include careers such as, dental, dietetics, medical assistants, home health, nursing, pharmacy, respiratory, social work, nutritionist, physician, psychiatrist, psychologist, veterinarian, gerontology service provider, medical practice owner, attorney for health care, and others.

| | | | |
|---------------|--|------------------------|---------------|
| 5509HQ | Health Science Anatomy & Physiology | 1 term-1 credit | 11, 12 |
|---------------|--|------------------------|---------------|

Prerequisite for concentrators: Health Science Education, Diagnostic Medicine, Biology I

Prerequisite for science credit only: Biology I

Recommended: Chemistry I

In this course, students will examine human anatomy and physical functions. They will analyze descriptive results of abnormal physiology and evaluate clinical consequences. A working knowledge of medical terminology will be demonstrated. Students may take this course as one of the four needed to be a concentrator in Health Sciences, or they may take it for a science credit.

5507 Nursing Education 1 term-1 credit 11, 12

Nursing education includes a variety of knowledge and skills necessary to become a health care worker. This course meets all federal and state requirements for a certified nurse's aid. The clinical internship is incorporated into this course. A total of 100 hours are required for the Tennessee state test for nurses' aide. This clinical internship must be completed in a long-term care facility. Additional hours are implemented in the classroom and clinical settings upon completion of this course. A student may enroll in postsecondary education or enter the work force in an entry-level position.

HOSPITALITY AND TOURISM

Food and Beverage Services

5701 Career Management Success 1 term-1 credit 10, 11, 12

This course provides students with tools for achieving success in their academic, work, and personal lives. Course content emphasizes the basic skills and knowledge needed for employment success as identified by industry and supported by relevant national standards. All course content is presented in a real-world context, providing concrete opportunities for developing personal and career goals, effective communication skills, teamwork abilities, and successful work attitudes. Upon completion of course, students will be able to complete the *Professional Development Program Level I and Level II* of Skills USA or other degree programs in the other career and technical youth organizations.

5381 Culinary Arts I 1 term- 1 credit 10, 11 (no seniors)

This course, which is the first level of Culinary Arts, prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities and by developing food preparation and service and interpersonal skills. Laboratory facilities and experiences, which simulate commercial food production and service operations, offer school-based learning opportunities.

5382 Culinary Arts II 1 term- 2 credits 10, 11, 12
1 term-2 blocks

Prerequisite: Culinary Arts I, with teacher permission only.

This course, which is the second level of Culinary Arts, prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by demonstrating the principles of safety and sanitation, food preparation skills, and teamwork to manage an environment conducive to quality food production and service operations. Laboratory facilities and experiences, which simulate commercial food production and service operations, offer school-based learning and work-based learning opportunities.

Recreation, Attractions, Sports and Entertainment

5000 Marketing I 1 term-1 credit 10, 11, (*12)

Marketing & Management I is an introduction to applied business skills. The course includes introduction to DECA (an association of marketing students), economic and marketing concepts, retail business operation, promotion and advertising, salesmanship, marketing math, job-seeking skills, human relations, problem solving, new product development, computer marketing applications, and marketing research. In addition, this course will explore human resource and leadership development. A moderate amount of homework is assigned. *Twelfth graders may enroll in this course if they have previously taken a Marketing course. This course fulfills the state graduation requirement for economics.

5003 Foundations of Hospitality & Tourism 1 term-1 credit 10, 11, 12

Students will participate in an introduction to the tourism industry, including tourism careers, hospitality and lodging, business operations, marketing management, salesmanship, promotion, and technological innovations. Class members will learn through hands-on projects, computer simulation, problem solving and interaction with industry employees and managers. This course may be used to complete the area of interest for hospitality and tourism with the Culinary Arts courses. A moderate amount of homework is expected.

5203 Sports & Entertainment Marketing 1 term-1 credit 11, 12

Sports and entertainment marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Students will develop skills in the areas of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring ticket distribution, and career opportunities as they relate to the sports and entertainment industry.

Hospitality Management and Lodging Services

5000 Marketing I 1 term-1 credit 10, 11, (*12)

Marketing & Management I is an introduction to applied business skills. The course includes introduction to DECA (an association of marketing students), economic and marketing concepts, retail business operation, promotion and advertising, salesmanship, marketing math, job-seeking skills, human relations, problem solving, new product development, computer marketing applications, and marketing research. In addition, this course will explore human resource and leadership development. A moderate amount of homework is assigned. *Twelfth graders may enroll in this course if they have previously taken a Marketing course. This course fulfills the state graduation requirement for economics.

5003 Foundations of Hospitality & Tourism 1 term-1 credit 10, 11, 12

Students will participate in an introduction to the tourism industry, including tourism careers, hospitality and lodging, business operations, marketing management, salesmanship, promotion, and technological innovations. Class members will learn through hands-on projects, computer simulation, problem solving and interaction with industry employees and managers. This course may be used to complete the area of interest for hospitality and tourism with the Culinary Arts courses. A moderate amount of homework is expected.

5026 Hospitality Management 1 term-1 credit 11,12

The changing hospitality industry encompasses growing and varied employment and career advancement opportunities. This course prepares students for gainful employment and/or post-secondary training in the hospitality industry. Content provides students the opportunity to acquire marketable skills by examining the industry, exploring career opportunities and developing the interpersonal and technical skills.

HUMAN SERVICES

Personal Care Services

5701 Career Management Success 1 term-1 credit 10,11,12

This course provides students with tools for achieving success in their academic, work, and personal lives. Course content emphasizes the basic skills and knowledge needed for employment success as identified by industry and supported by relevant national standards. All course content is presented in a real-world context, providing concrete opportunities for developing personal and career goals, effective communication skills, teamwork abilities, and successful work attitudes. Upon completion of course, students will be able to complete the *Professional Development Program Level I and Level II* of Skills USA or other degree programs in the other career and technical youth organizations.

5338 Principles of Cosmetology 1 term-1 credit 10, 11

This is the first level of cosmetology, and it prepares students with work-related skills for advancement into the Design Principles of Cosmetology course. Content provides students the opportunity to acquire basic fundamental skills in both theory and practical applications of leadership and interpersonal skill development. Content stresses safety, environmental issues, and protection of the public and designers as integrated with principles of hair design, nail structure, and cosmetic procedures. Laboratory facilities and experiences simulate those found in the cosmetology industry.

5339 Design Principles of Cosmetology 1 term-2 credits 11, 12
1 term-2 blocks

Prerequisite: Principles of Cosmetology

This is the second level of cosmetology and prepares students for work-related skills and advancement into the Chemistry of Cosmetology course. Content provides students the opportunity to acquire knowledge and skills in both theory and practical application. Advanced knowledge and skills in hair design, nail artistry, and cosmetic applications will be enhanced in a laboratory setting, which duplicates cosmetology industry standards. Upon completion and acquisition of 600 hours, students are eligible to take the Tennessee Board of Cosmetology manicuring examination for a Tennessee Manicure License.

5340 Chemistry of Cosmetology 1 term-2credits 12
1 term-2 blocks

Prerequisite: Design Principles of Cosmetology

This is the advanced level of cosmetology and prepares students to perform work-related services using chemical in the cosmetology industry. Content provides students the opportunity to acquire foundation skills in both theory and practical applications. Laboratory facilities and experiences will be used to simulate cosmetology work experiences. Upon completion and acquisition of 1500 hours, students are eligible to take the Tennessee State Board of Cosmetology examination for a Tennessee Cosmetology License. Upon completion and acquisition of 600 hours, students are eligible to take the Tennessee State Board of Cosmetology Manicuring examination for a Tennessee Manicuring License.

Family and Community Services

5603 Family and Consumer Science 1 term-1 credit 10, 11

Formerly titled Home Economics, this is a comprehensive course that provides instruction in all home economics subject areas, including decision-making, interpersonal relationships, personal appearance and wardrobe planning, clothing care, interior design principles, simple sewing, basic nutrition and food preparations. The FCCLA Club is part of this class.

5625 Child and Lifespan Development 1 term-1 credit 11, 12

Child and Lifespan Development prepares students to understand the physical, social, emotional, and intellectual growth and development throughout the lifespan. Experiences such as laboratory observations and laboratory participation will enhance the learning process. Instructional content includes child development theories and research: prenatal development; infants and toddlers; preschool years; middle

childhood, adolescence; adulthood; geriatrics; careers; and leadership, citizenship, and teamwork.

Family, Career and Community Leaders of America (FCCLA), the co-curricular student organization, provides students with opportunities for leadership development, personal growth, and school/community involvement.

5609 Nutrition and Foods 1 term-1 credit 11, 12

Nutrition and Foods is a specialized course designed to help students understand the nutrient value, appetite appeal, social significance, and cultural aspects of food. Students will examine the role of nutrition in the prevention of health conditions, such as obesity, and the promotion of optimal body performance throughout the life span. The course offers students opportunities to develop skills in the safe and sanitary selection, preparation, storing, and serving of food; meal management to meet individual and family nutrition needs across the life span; and optimal use of food resources. Instruction includes academic integration and technology applications. Careers in nutrition and food industries will be explored.

Family, Career and Community Leaders of America (FCCLA), the co-curricular student organization, provides students with opportunities for leadership development, personal growth, and school/community involvement.

5623 Life Connections 1 term-1 credit 12 only

Formerly titled "Adult Living"

This course is designed for upperclassmen who want to learn practical skills for living on their own. Students will be involved in decision-making and goal-setting activities related to adult living. Topics include personal relationships, time and money management, planning for future credit, savings and investments, clothing upkeep, healthy eating, food shopping on a budget, and simple meal preparation.

Consumer Services

5603 Family and Consumer Science 1 term-1 credit 10, 11

Formerly titled Home Economics, this is a comprehensive course that provides instruction in all home economics subject areas, including decision-making, interpersonal relationships, personal appearance and wardrobe planning, clothing care, interior design principles, simple sewing, basic nutrition and food preparations. The FCCLA Club is part of this class.

5602 Consumer Economics 1/2 term-1/2 credit* 12 only

Consumer Economics is a course designed to prepare students to understand the United States economics system and the system's impact on individuals as consumers, producers, and citizens. Students will integrate knowledge, skills, and practices required for management of resources in a technologically expanding global economy. Consumer practices and responsibilities that foster financial security are investigated. The responsibility of the consumer relating to environmental and ecological issues is explored. *Family, Career and Community Leaders of America (FCCLA)*, the co-curricular student organization will provide students with opportunities for leadership development, personal growth, and school/community involvement.

*Consumer Economics will be taken with Personal Finance for a full credit.

5613 Personal Finance 1/2 term-1/2 credit* 12 only

Personal Finance is a course 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. Students will design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions. *Family, Career and Community Leaders of America (FCCLA)*, the co-curricular student organization, provides students with opportunities for leadership development, personal growth, and school/community involvement.

*Personal Finance will be taken with Consumer Economics for a full credit.

5623 Life Connections 1 term-1 credit 12 only

Formerly titled "Adult Living"

This course is designed for upperclassmen who want to learn practical skills for living on their own. Students will be involved in decision-making and goal-setting activities related to adult living. Topics include personal relationships, time and money management, planning for future credit, savings and investments, clothing upkeep, healthy eating, food shopping on a budget, and simple meal preparation.

INFORMATION TECHNOLOGY

Interactive Multimedia

3718 **Computer Applications** **1 term-1 credit** **10, 11, 12**

This course is designed to develop computer technology skills. Students will use a variety of computer software and hardware tools and features of an electronic information network. 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. This is an entry-level class replacing the class formerly known as keyboarding.

Note: If a student has already earned a credit in Career Management Success, Keyboarding, or has fulfilled his or her single required computer credit, that student **may not** enroll in Computer Applications

3746 **Interactive Multimedia Presentations** **1 credit-1 term** **11, 12**

The student will apply keying, typography, layout and design skills in this course. The student will be proficient in using interactive multimedia tools to develop electronic presentations. Creative design, persuasive communications, and language arts skills are applied through research, evaluation, validation, written, and oral communication. Typography, layout and design guidelines are applied. Copyright laws and ethical practices are reinforced in creating and formatting various presentations that require imported data/graphics, digital, audio, and video clips. Team development will also be stressed as students work on multimedia project(s). Laboratory facilities and experiences simulate those found in business and industry.

3741 **Desktop Publishing** **1 term-1 credit** **10, 11, 12**

This course allows students to develop proficiency in document preparation with emphasis on production of business applications. Simulated projects are used and data and graphics are imported from sources such as the internet, scanners, etc. Microsoft Office software is used for this course with an emphasis on Word and Publisher.

3730 **Integrated Input Technology** **1 term- 1 credit** **11, 12**

This is a capstone course in which students will learn necessary skills in problem solving using current and emerging integrated technology to include a variety of input technologies such as *advanced keyboarding, scanning, speech recognition, handwriting recognition, and the use of a mouse* in the production of mailable business documents. The course focuses on student choice, accountability and competency. Students work toward the attainment of high-level employable competencies in areas which may include (but are not limited to) integrated software applications, computer systems, communication systems, networking, ethical issues, human relations, leadership, self-management, and workplace management. Students may choose areas of specialization and achieve industry certification in areas such as word processing, spreadsheet applications, database design and management, multimedia presentations, schedule and contact management, etc. This course may articulate to post-secondary education.

Web Design

3718 **Computer Applications** **1 term-1 credit** **10, 11, 12**

This course is designed to develop computer technology skills. Students will use a variety of computer software and hardware tools and features of an electronic information network. 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. This is an entry-level class replacing the class formerly known as keyboarding.

Note: If a student has already earned a credit in Career Management Success, Keyboarding, or has fulfilled his or her single required computer credit, that student **may not** enroll in Computer Applications.

5766 **Website I - Foundations** **1 term – 1 credit** **10, 11**

Recommended Prerequisite: Computer Applications or Information Technology and Algebra I

This course, which is the first level of Web Page Design, prepares students to work with work-related skills for advancement into postsecondary education or industry. Course content includes exposure to basic Web design, the dynamics of networking/internetworking, Web hosting and Web design in e-commerce. The course content provides students the opportunity to acquire fundamental skills in both theory and practical application of Web Design and of leadership and interpersonal skill development. Laboratory facilities and experiences simulate those found in the Web Page Design construction industry.

5767 **Web Page Design II - Site Designer** **1 term-1 credit** **11, 12**

Recommended prerequisite: Computer Applications

Suggested prerequisite: Algebra I, Website Foundations

This course prepares students with work-related skills for advancement into postsecondary education or industry. Course content includes exposure to basic and advanced web design, pixelated and vector-based web graphics, web animations, dynamics of web hosting, and web design in E-commerce. The course content provides students the opportunity to acquire fundamental skills in both theory and practical application of web design and leadership and interpersonal skill development. Laboratory facilities and experiences simulate those found in the web page design and web page construction industry. Further, this course maps to the Certified Internet webmaster Site Designer national certification examination.

3760 **Web Design III – e Commerce** **1 term-1 credit** **11, 12**

This course prepares students with work-related skills for advancement into postsecondary education or industry. Course content includes exposure to Web design in *ecommerce* with marketing, customer relations, and commercial Web site publication. The course content provides students the opportunity to acquire fundamental skills in practical application of Web development, leadership, and interpersonal skill development. Laboratory facilities and experiences simulate those found in the Web page design and Web page construction industry. The course correlates to the CIW certification “Web eCommerce.”

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

AUTOMOTIVE TECHNOLOGY

Courses in the transportation area of interest may be taken in any order, given that the required prerequisites have been completed.

Automotive Technology

5702 **Transportation Core** **1 term-1 credit** **10, 11, 12**
12th-1st term only

The Transportation Core course prepares students for entry into all subsequent transportation courses. Students explore career opportunities and requirements of a professional service technician. Content

emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, and basic technician skills. Upon completing this course, students may enter automotive service technology, collision repair and refinish technology, or aviation maintenance.

5710 Automotive: Steering and Suspension 1 term-1 credit 10, 11, 12

Prerequisite: Transportation Core

Suspension and steering is a course that prepares students for entry-level positions or advanced training in automotive suspension and steering systems. Course material covers the principles of automotive suspension/steering systems and four-wheeled suspension alignment. Course content provides the student opportunity to acquire marketable skills by training in wheel alignment and the testing, diagnosis, and repair of suspension and steering systems. Lab facilities and experiences simulate automotive service industry operations through the use of training aids and modules and school-based learning opportunities. Course content prepares students for the Automotive Service Excellence (ASE) Suspension and Steering test.

5712 Automotive: Brakes 1 term-1 credit 10, 11, 12

Prerequisites: Transportation Core

Automotive: Brake Systems course offers training in the diagnosis and repair of hydraulic, mechanical, and electrical systems used in standard and anti-lock brake systems. Course content includes diagnosis, repair, and/or service technology of hydraulic and antilock brake systems to original equipment manufacture (OEM) specifications. Educational experiences simulate automotive service industry operations through training aids, laboratory facilities, and school-based learning opportunities. Course content prepares students for the Automotive Service Excellence (ASE) Brake System Test for entry-level placement in the workforce, and for entry into post-secondary education.

5711 Automotive: Engine Performance 1 term-2 credits 11, 12
1 term- 2 blocks

Prerequisites:, Transportation Core

Automotive: Engine Performance is a course that prepares students for entry-level positions or advanced training in engine performance. The course covers electronic ignition and distributor ignition systems, fuel management, exhaust emissions control, and computer input and output signals and will identify the different types of sensors used by automotive engine computers. Students will perform inspections, test, and measurements for diagnosis and perform needed repairs. Education and experiences simulate automotive service industry operations through the use of training aids and modules and offer school-based learning opportunities. Course content prepares students for the Automotive Service Excellence (ASE) Engine Performance Test. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)* This course is available every other year and alternates with Automotive: Electrical/Electronics.

5713 Automotive: Electrical/Electronics 1 term-2 credits 10, 11, 12
1 term-2 blocks

Prerequisite: Transportation Core

Automotive: Electrical/Electronics is a course that prepares students for entry-level positions or advanced training in automotive electrical and electronics systems. Students apply principles of electronics to automotive technology and develop diagnostic skills. The course provides students the opportunity to acquire marketable skills by training in the use of digital and analog voltmeters, ohmmeters, and ammeters; as well as oscilloscopes, test-lights, load-testers and specialized electrical test equipment. Educational experiences simulate automotive service industry operations through the use of training aids and modules and school-based learning opportunities. Course content prepares students for the Automotive Service Excellence (SE) Electrical and Electronics. Note: This course is available every other year and alternates with Automotive: Engine Performance.

Collision Repair Technology

5702 Transportation Core 1 term-1 credit 10, 11, 12
12th -1st term only

The Transportation Core course prepares students for entry into all subsequent transportation courses. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety,

tools, equipment, shop operations, and basic technician skills. Upon completing this course, students may enter automotive service technology, diesel equipment maintenance technology, leisure craft service technology, collision repair and refinish technology, or aviation maintenance.

5707 Collision Repair: Non-Structural 1 term-2 credits 10, 11, 12
1 term-2 blocks

Prerequisites: Transportation Core, Algebra I, Physical Science, Principles of Welding (may be concurrent with Welding)

Collision Repair: Non –Structural is a course that prepares students to analyze non-structural collision damage to a vehicle, determine the extent of the damage and the direction of impact, initiate an appropriate repair plan, and correctly use equipment to fit metal to a specified dimension within tolerances. Course content includes metal finishing, body filling, glass panel replacements. The course prepares students for entry-level employment and advanced training in collision repair technology, and post secondary education. Students completing the Collision Repair: Non-Structural are eligible to take the ASE written examination for Non-Structural Analysis and Damage Repair. This course is available every other year and alternates with Collision Repair: Structural.

5708 Collision Repair: Structural 1 term-2 credits 11, 12
1 term- 2 blocks

Prerequisites: Transportation Core and Non-Structural

Collision Repair: Structural is a course that prepares students to analyze structural collision damage to a vehicle, determine the extent of the damage and the direction of impact, initiate an appropriate repair plan, and correctly use equipment to fit metal to a specified dimension within tolerances. Course content includes repairs to frames and glass. The course prepares students for entry level, employment and advanced training in collision repair technology, and post secondary education. Students completing the Collision Repair: Structural are eligible to take the ASE written examination for Structural Analysis and Damage Repair. This course is available every other year and alternates with Collision Repair: Non-Structural.

5709 Collision Repair: Painting and Refinishing 1 term-2 credits 11, 12
1 term-2 blocks

Prerequisite: Transportation Core, Structural, and Non-Structural

Collision Repair: Painting and Refinishing is a course that prepares students to use plastics and adhesives in the repair and refinish processes and to apply automotive paint to a vehicle. Students learn to diagnose automotive paint finish problems and to perform the appropriate manufacturer-required techniques and processes to refinish the affected area or the complete vehicle. Course content provides the student with training in mixing, matching, and applying paint and finish to vehicles. Course content includes the application of plastics and adhesives in the repair and refinishing process. The course prepares students for entry-level employment and advanced training in collision repair technology, and post-secondary education. Students completing the Collision Repair: Painting and Refinishing are eligible to take the ASE written examination for Paint and Refinish and for Plastics and Adhesives. *This course offers a National Industry Certification through a nationally recognized examination and may be eligible for additional percentage point weighting. (Refer to pages 7 and 8 of the Curriculum Guide.)*

EARLY DISMISSAL

| | | |
|------------------------|------------------|----------------|
| Early Dismissal | No Credit | 12 only |
|------------------------|------------------|----------------|

An early dismissal option is available to twelfth grade students who meet specified criteria. Only those twelfth grade students who are meeting graduation requirements and completing a program of study and do not need the elective credit course are eligible for this option. This option is not available to any student needing all 8 credits or more to graduate. Students graduating before 2013 must have passed all three Gateway Exams to be eligible for early dismissal. The option must be requested one term at a time. A student must see his/her counselor for the application and approval.

A GLOSSARY OF SOME HIGH SCHOOL TERMS

ATTENDANCE: Regular attendance is extremely important. Missing more than ten minutes of a class is recorded as an absence. The student planner explains the Board of Education attendance policies in detail. Students need to become familiar with this policy.

BLOCK SCHEDULING: Although the academy is not on a block schedule, the main campus will continue to be scheduled in this manner. On block scheduling, classes are arranged in four ninety-minute periods per semester. Students, therefore, take eight classes per year.

CREDIT: Students who successfully complete a course earn one credit. Students can earn up to eight credits per year, and students must earn at least 28 credits in order to graduate. Students are expected to make steady progress each year:

- Freshmen must have 5 credits to become sophomores.
- Sophomores must have 12 credits to become juniors.
- Juniors must have 20 credits to become seniors.

EXTRACURRICULAR ACTIVITIES: High schools offer many clubs and sports for students, and students are strongly urged to participate. Students who join clubs and activities or participate in athletics make better grades and develop good leadership and decision-making skills.

FEE WAIVERS/FREE AND REDUCED LUNCH PROGRAM: Parents who may qualify are encouraged to apply for federal assistance through the Fee Waiver/Free and Reduced Lunch program. Forms are distributed to all students the first day of school.

G.P.A.: GPA is an abbreviation for “grade point average.” Please refer to the chart on page 7 for more information.

PREREQUISITE: A prerequisite is a class that must be completed successfully BEFORE the next class in sequence can be taken. Example: Algebra I must be passed before Algebra II can be taken; therefore Algebra I is a prerequisite to Algebra II. Prerequisites are listed in the course descriptions.

ELECTIVE FOCUS/PROGRAM OF STUDY: These are interchangeable terms that relate the concept of a student completing at least three units in a related academic or Career Technical Education (CTE) area. The State Board of Education’s “High School Policy’ requires that all students, beginning with the 9th grade class of 2009-2010, complete an approved academic elective focus or a CTE program of study.