Oakland High School

An International Baccalaureate World School

Curriculum Guide

2019-2020

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OHS Counseling Department

The mission of Oakland High School Comprehensive school counseling program is to assist ALL students in acquiring the knowledge, skills, and attitudes needed to achieve academic success, college and work force readiness and positive social and personal development.

School Counselors

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High School Graduation Requirements

English – 4 Credits	
English I	1 Credit
English II	1 Credit
English III	1 Credit
English IV	1 Credit
Math – 4 Credits	
(Students MUST Take a Math Each Year)	
Integrated I	1 Credit
Integrated II	1 Credit
Integrated III	1 Credit
Upper Level Math	1 Credit
P.E. and Wellness – 1.5 Credits	
Wellness	1 Credit
Physical Education	.5 Credit
Fine Arts – 1 Credit	1 Credit
Pathway – 3 Credits	3 Credits

Science – 3 Credits	
Biology I	1 Credit
Chemistry or Physics	1 Credit
Lab Science	1 Credit
Social Studies – 3 Credits	
World History & Geography	1 Credit
U.S. History & Geography	1 Credit
Economics	.5 Credit
U.S. Government & Civics	.5 Credit
Personal Finance - .5 Credit	
Personal Finance	.5 Credit
Foreign Language – 2 Credits (Must be the same language)	2 Credits

23 Total Credits Required for Graduation

Students must complete an **Pathway of Three Units**: in a state approved CTE program of study, science and math, humanities, fine arts, JROTC, AP/IB, or other Board approved pathway.

Coursework in English as a Second Language may be used to satisfy the English Language requirement for graduation, not to exceed two units. Additional English as a Second Language coursework may be awarded elective credits.

The **Physical Education Requirement** may be met by substituting an equivalent time of physical activity in other areas including, but not limited to, marching band, JROTC, cheerleading, interscholastic athletics, and school sponsored intramural athletics.

The **Fine Art and Foreign Language Requirements may be waived** for students who are sure they are not attending a University and be placed with courses designed to enhance and expand the pathway interests.

Students must pass a **Civics exam** during senior year with a score of 70 or higher.

Students are required to take the **ACT** to graduate. A specific score is not required. The ACT is given during the school day in the spring for juniors and in October for seniors.

To **Graduate with Honors** students must score at or above all of the subject area readiness benchmarks (English-18, Mathematics-22, Reading-22, Science-23) on the ACT or equivalent score on the SAT.

To **Graduate with Distinction** students must attain a B average (3.0) and complete at least one of the following:

- earn a nationally recognized industry certification
- participate in at least one of the Governor's Schools
- participate in one of the state's All State musical organizations

- be selected as a National Merit Finalist or Semi-Finalist
- attain a score of 31 or higher composite score on the ACT
- attain a score of 3 or higher on at least two advanced placement exams
- successfully complete the International Baccalaureate Diploma Programme
- earn 12 or more semester hours of transcripted postsecondary credit

Valedictorian Requirements

Highest Grade Point Average
12 Honors or Above Courses
Graduate with Honors
Graduate with Distinction

Salutatorian Requirements

Second Highest Grade Point Average
12 Honors or Above Courses
Graduate with Honors
Graduate with Distinction

Secondary Assessments

TNReady	English I, English II, English III
	Integrated I, Integrated II, Integrated III
	U.S. History, Biology, Chemistry

Course Substitutions

Required Course	Substitutes
Lab Science	• Agriscience • Veterinary Science
U.S. Government	• IB History of America I & II • JROTC (3 years)
Economics	• IB History of America I & II • Marketing and Management I • Virtual Enterprise I
World History & Geography	• AP Human Geography
Personal Finance	• JROTC (3 years)
U.S. History & Geography	• IB History of America I & II • AP US History

Required Course	Substitutes
Physical Education (1/2 Credit)	• Archery • Baseball • Basketball • Bowling • Cheerleading • Cross Country • Dance Team • Football • Golf • Marching Band • Soccer • Softball • Swim Team • Tennis • Track • Trapshooting • Volleyball • Wrestling

Joint/Dual Credit/Credit by Assessment/Articulation Enrollment

Rutherford County has an agreement with the following post-secondary institutions allowing high school students to be dual and/or joint enrolled for credit. See your counselor for information about these programs.

Middle Tennessee State University
Tennessee Tech University
Motlow State Community College
Tennessee College of Applied Technology – Murfreesboro
Georgia Career Institute
Paul Mitchell
Trevecca
Bethel College

Honors & Advanced Honors Courses

All Honors & Advanced Honors courses will substantially exceed the content standards, learning expectations, & performance indicators approved by the State. Teachers will model instructional approaches that facilitate maximum interchange of ideas among students**:** independent study, self-directed research & learning, and appropriate use of technology.

Multiple Assessment exemplifying coursework will be utilized, such as short answer, original or creative interpretations, essays constructed response prompts, authentic products, portfolios performance-based tasks, open-ended questions, and analytical writing.

Additionally, an honors course shall include a minimum of five (5) of the nine (9) components.

1. Extended reading assignments that connect with the specified curriculum.
2. Research-based writing assignments that address & extend the course curriculum.
3. Projects that apply course curriculum to relevant or real-world situations, i.e. oral presentations, Power Point, etc. Connection to the community is encouraged.
4. Open-ended investigations in which the student selects the questions and designs the research.
5. Writing assignments that require deep analysis of complex text and student generated essays that require evidence from text to support ideas, reasons, and claims. Students should write routinely for a range of tasks, purposes, and audiences.
6. Integration of appropriate technology into the course of study.
7. Deeper exploration of the culture, values, and history of the discipline.
8. Extensive opportunities of problem solving, experiences through imagination, critical analysis, and application.
9. Job shadowing experiences with presentations which connect class study to the world of work.

ADVANCED PLACEMENT COURSES MUST FOLLOW THE
ADVANCED PLACEMENT CURRICULUM AS SET FORTH BY THE COLLEGE BOARD

International Baccalaureate Diploma/Certificate Program

Overview

Founded in 1968, the International Baccalaureate® (IB) Program is a non-profit educational foundation focused on developing the intellectual, personal, emotional, and social skills needed to live, learn and work in a rapidly globalizing world. Schools must be authorized by the IB Organization, to offer IB courses and programs. Currently the IB program is active in over 4,000 schools world-wide. Oakland's IB program has a hard-earned reputation for high standards of teaching, pedagogical leadership, and student achievement.

An IB diploma leads to a qualification widely recognized by universities around the world for the high standards it represents. The diploma program encourages students to ask challenging questions, think critically, develop a strong sense of one's identity and culture, and develop an ability to communicate with and understand others from different cultures and backgrounds. It includes a broad and balanced curriculum for students enrolled, and the program emphasizes an interdisciplinary approach to learning with the student as an active participant. Students who choose to enroll in the diploma program study languages, a social science, an experimental science, mathematics, and an elective. Wherever possible, subjects are approached from an international perspective. Students who enroll and who satisfy the rigorous demands of the diploma program demonstrate a strong commitment to learning. They develop mastery of subject area content and mastery of skills and discipline necessary for post-secondary success. The goal of the International Baccalaureate Diploma Program is to produce critical thinkers with a well-rounded global perspective on learning.

What are the qualities of a successful IB student?

- Self-motivated
- Inquiring mind
- Organized
- Academic integrity
- Participant in school and community activities
- Time management skills
- Good attendance record

What is included in the IB curriculum?

Students who enroll in the IB diploma program must complete and test in six areas:

1. Language A
2. Second Language
3. Individuals and Societies
4. Experimental Sciences
5. Mathematics
6. Arts or Electives

Three unique components make up the remaining portion of the IB diploma:

1. Theory of Knowledge (TOK) – a critical thinking course designed to teach students how they learn across all subject areas.
2. A 4,000 word extended essay - researched, documented, and written on a topic of choice.
3. Creativity, Action, and Service (CAS) – Approximately 150 blended hours of school activities and community service throughout the junior and senior years.

What are the advantages of an IB Diploma/Certificate Program?

- Participating in active learning that involves critical thinking, independent research, and verbal communication
- Emphasizing the "whole" student
- Participating in interdisciplinary group and individual projects
- Gaining an international perspective on education
- Requiring student involvement in extracurricular activities, for both school and community (diploma program only)
- Provides alternative forms for assessment allowing students opportunity to show what they have learned
- Includes emphasis on academic integrity and honesty
- Earning possible admission and scholarship opportunities at prestigious universities
- Earning college credit at many universities

For more information, contact the OHS IB program coordinator, Carissa Clark at 615-904-3780, Extension 23980, or clarkca@rcschools.net.

International Baccalaureate
Course Descriptions

IB 20th Century History SL (European History)
#3413, 1 year course
IB 20th Century History is the second year of Higher Level. It is like no other history course taught in high school. It is very demanding as far as content is concerned and requires higher level thinking skills, but those are practically the only similarities. Instead of being a survey of 20th century history, we study four topics and then several subtopics. The topics are: rise and rule of single party states, the Cold War, 1945-1995 and peace and cooperation: international organizations and multiparty states. In addition to these broader topics, we zero in on the prescribed subject Cold War, 1960-1979 for document-based study. The entire second semester is devoted to an in-depth study of various aspects of the Cold War. Most of the class consists of reading and discussing historical documents and excerpts from books. All tests are essays. Students also complete an historical investigation that is 20% of their IB final assessment.

IB Biology HL
#3215/3218, Prerequisites: Biology Honors and Chemistry Advanced Honors, 2 year course
This course is intended to prepare students, through two years of coursework, for the IB Examination of a Higher Level Biology course in the 12th grade. Through this course the students will develop a fundamental knowledge of a limited body of facts. However, the students will gain a broad understanding of the principles of Biology and their applications throughout the world. The students are also expected to conduct a minimum of 45 hours of laboratory research. This component of the class is utilized as the internal assessment grade for Biology HL. Finally, all biology students will be required to complete the Group 4 project in which students integrate their personal research with other scientific disciplines offered at the school.

IB Business Management SL
#3472/3473, 2 year course
IB Business Management is offered at standard level (SL). Students explore how and why individuals form organizations and their problems and life cycles, develop a broad knowledge of the variety of organizations that exist, examine and apply the principles of organizations and the techniques widely practiced in the ongoing process of decision making in organizations, develop an understanding of the interdependency of organizations and its effect on problem solving, and examine the role of individuals and groups within organizations.

IB Computer Science HL
#3109/3110, 2 year course
Students in IB computer science SL will study system fundamentals, computer organization, networks, computational thinking, problem-solving and programming. All students will complete one piece of internally assessed work, which includes a computational solution. An option of databases, modelling and simulation, web science, or object-oriented programming (JAVA) will be chosen by the teacher to meet the IB requirements.

IB English HL (English III & English IV)
#3004/3006, Prerequisites: English I & II, 2 year course
Students will fulfill the requirements of the IB curriculum, including an intensive analysis of English, American, and World literature from a global perspective. Students will also develop their understanding of literary theory and criticism and develop their expression through both written and oral discourse.

IB Environmental Systems SL
#3236, 1 year course
The IB DP environmental systems and societies standard level course aims to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. Students' attention is constantly drawn to their own relationship with their environment and the significance of choices and decisions that they make in their own lives. It is intended that students develop a sound understanding of the interrelationships between environmental systems and societies, rather than a purely journalistic appreciation of environmental issues. The teaching approach strives to be conducive to students evaluating the scientific, ethical and socio-political aspects of issues.

IB French (IV)

#3479/3156, Prerequisites: French I & II Advanced Honors, 2 year course

This two-year course will take place over the junior and senior year after completion of French I and French II Honors. With a solid foundation for the language already established, students use the language as a means to acquire a deep understanding and appreciation for the French culture. Communication is key with constant practice in reading, writing, listening, and speaking. At the end of the senior year, students will take rigorous exams which test their abilities in these four main communication areas. The majority of the assessments will be graded externally by the IB organization. This course aspires to produce internationally-minded students capable of being successful on a global scale because of their understanding and appreciation of other cultures as well as their ability to effectively communicate in a second language.

IB History of the Americas I

#3406, Grades 11

IB History of the Americas (HOTA) is the first year of the IB History HL two-year course. The focus is United States history, but we will also study developments in Canada, the Caribbean, South America, and parts of Latin America. The IB curriculum offers a possible 22 topics for inclusion in the two-year course. We will study six of them this year (Movements of Independence, The Mexican Revolution, Slavery in the Americas, the Great Depression in the Americas, United States foreign policy 1945 to 1995 and The Civil Rights Movement). Students study each of these topics in depth through lecture, discussions, original research, and through analysis of a variety of primary and secondary sources. Students should expect to take one test, compose one scholarly essay, and take 5 quizzes per six-week marking period in addition to regular homework assignments.

IB History of the Americas II

#3409, Grade 12

IB 20th Century History is the second year of Higher Level – History of the Americas. It is like no other history course taught in high school. Like an Advanced Placement course, it is very demanding as far as content is concerned and requires higher level thinking skills, but those are practically the only similarities. The main difference between IB and AP history is that AP tries to cover a broad range of material and IB concentrates on depth of study. Instead of being a survey of 20th century history, we study four topics and then several sub-topics. The topics are: rise and rule of single party states, the Cold War, 1945-1995 and peace and cooperation: international organizations and multiparty states. In addition to these broader topics, we zero in on the prescribed subject Cold War, 1960-1979 for document-based study. The entire second semester is devoted to an in-depth study of various aspects of the Cold War. Most of the class consists of reading and discussing historical documents and excerpts from books. All tests are essays. Students also complete an historical investigation that is 20% of their IB final assessment.

IB Latin III

#3086, Grade 11, Prerequisites: Latin I & ll

IB Math Studies SL

#3140, Prerequisite: Algebra II and Geometry, 2 year course

This course is for students with varied mathematics backgrounds and abilities. More specifically, it is designed for the students who do not consider math a strength and those who do not anticipate a need for mathematics in their future studies. Students taking this course need to be already equipped with fundamental skills and a rudimentary knowledge of basic mathematical processes. Topics covered include Numbers and algebra, sets, logic and probability, functions, geometry and trigonometry, statistics, introductory differential calculus, financial mathematics.

IB Mathematics HL

#3138/3106, Prerequisites: Algebra II , Geometry, and Statistics Preferred, 2 year course*

This course is for students with a good background in mathematics who are competent in previous mathematical concepts and have good problem solving skills. Students anticipating a need for mathematics in their future studies should take this course. Students with an interest in possibly studying physics, engineering, and technology should take this course as well as students with an interest in mathematics and enjoy meeting its challenges and engaging with its problems. Topics covered include Algebra, functions and equations, circular

functions and trigonometry, matrices, vectors, statistics and probability, calculus, series and differential equations.

IB Music SL

#3508/3518, 2 year course

IB Music SL consists of a Musical Perception and Analysis course along with a Group Performance (SLG) course. Ensemble music making will allow students to develop creatively their knowledge, abilities, understanding and skills through performance. Students will also develop use of appropriate musical language and terminology to describe and reflect their critical understanding of music. Students will strengthen their development of perceptual skills in response to music and their knowledge and understanding of music in relation to time and place. Students who seek entrance into the IB Music SL program are recommended to complete one course of Basic Music Theory within their Freshman or Sophomore year. These students will then complete the IB Music SL course during their Junior year. This course will give students the opportunity to explore and enjoy the diversity of music throughout the world. Students will learn to recognize, speculate, analyze, identify, discriminate and hypothesize in relation to music. This class will include the requirements set forth by the IBO: the study of the Prescribed Work; the study of Musical Genres and Styles; and, the completion of the Musical Investigation. Students will complete the Group Performance (SLG) requirements in Band, Choir or another ensemble approved by the IBO. Students must submit recordings from two or more public performances. **Participation in at least one OHS performance ensemble throughout the student's four years is expected.** Private instruction on the IB student's applied instrument is highly recommended.

IB Psychology SL

#3434/3436, 2 year course

Psychology SL focuses on the study of development in an individual's biological, cognitive, social, emotional, and cultural behavior. The course will utilize three perspectives in its study. Students will gain an understanding of the biological perspective, the cognitive perspective, and the learning perspective. Students will compare how these three perspectives are applied to human development. By the middle of the second semester, students will complete the internal assessment as detailed by the International Baccalaureate Organization. During the latter part of the second semester, the students will apply the three perspectives to the option study of cultural psychology. The differences and similarities among cultures and people and how they relate to one another will be part of the option study. Paper 1 and Paper 2 will be completed in the second semester.

IB Spanish HL (Spanish III & IV)

#3480/3154, Prerequisites: Spanish I & II Advanced Honors, 2 year course

IB Spanish SL is an advanced two year course designed to elevate the level of Spanish knowledge both cultural and linguistic to meet the standards as set by the International Baccalaureate Organization. The class is conducted in Spanish. The class focuses on advanced writing, reading and speaking skills. An advanced level of knowledge of Spanish is required to successfully complete coursework.

IB Theatre

#3546/3547, Prerequisites: Theatre I and Theatre II, 2 year course

The aims of the program in Theater Arts are to help students understand the nature of the theater; to understand it by making it as well as by studying it; to understand it not only with their minds but with their senses, their bodies and their emotions; to understand the forms it takes in cultures other than their own; and through this understanding better understand themselves, their society and their world. Students in this course engage in four areas of theatrical studies: 1) development of performance skills, 2) world theater studies, 3) practical play analysis, and 4) actual theater production. Higher level students will also be required to complete an individual project.

IB Visual Arts

#3538/3539, Prerequisites: Visual Art I and Visual Art II, 2 year course

IB Visual Arts is designed to give students with some previous art experience a chance to develop more deeply an independent exploratory attitude towards art production and an active investigative approach towards art history. Students will engage in critical evaluations of their own works as they grow towards finding their own unique artistic voice that is enriched by historical studies and an introspective look at their current environment. Course work will consist of developing and producing original artworks and independent research and development of ideas in an investigation workbook.

Language Arts
Course Descriptions

English I
#3001, 1 Credit
This course will focus on reading and comprehending a variety of literature and literary nonfiction in the grades 9-10 text complexity band proficiently, with scaffolding as needed at the high end of the range. Throughout the course students will write routinely over extended time frames for a range of discipline-specific tasks, purposes, and audiences. Attention will be given to accurately using general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level. Language and conventions will be taught throughout the course through routine writing practice. Summer reading is determined at the school level. Students will take the English I TN Ready Assessment upon completion of the course.

English I Honors
#3001H, 1 Credit
Designed for the accelerated student, this course will focus on a deeper reading and analysis of literature and literary nonfiction in the grades 9-10 text complexity band proficiently, with scaffolding as needed at the high end of the range. Throughout the course students will write routinely over extended time frames for a range of discipline-specific tasks, purposes, and audiences. Attention will be given to accurately using general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level. Language and conventions will be taught throughout the course through routine writing practice. Summer reading is determined at the school level. Students will take the English I TN Ready Assessment upon completion of the course.

English I Advanced Honors
#3001A, 1 Credit
This course is part of the sequential program leading to the AP Language and Composition/AP Literature and Composition classes taken during the junior/senior year. In addition to the honors curriculum, this course requires a greater depth of text reading, analysis, and writing in response to text. Summer reading is determined at the school level. Students will take the English I TN Ready Assessment upon completion of the course.

English II
#3002, 1 Credit, Prerequisite: English I
This course will focus on reading and comprehending a variety of World Literature, including fiction and literary nonfiction, in the grades 9-10 text complexity band proficiently, with scaffolding as needed at the high end of the range. Throughout the course students will write routinely over extended time frames for a range of discipline-specific tasks, purposes, and audiences. Attention will be given to accurately using general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level. Language and conventions will be taught throughout the course through routine writing practice. Summer reading is determined at the school level. Students will take the English II TN Ready Assessment upon completion of the course.

English II Honors
#3002H, 1 Credit, Prerequisite: English I
Designed for the accelerated student, this course will focus on reading and comprehending a variety of World Literature, including fiction and literary nonfiction, in the grades 9-10 text complexity band proficiently, with

scaffolding as needed at the high end of the range. Throughout the course students will write routinely over extended time frames for a range of discipline-specific tasks, purposes, and audiences. Attention will be given to accurately using general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level. Language and conventions will be taught throughout the course through routine writing practice. Summer reading is determined at the school level. Students will take the English II TN Ready Assessment upon completion of the course.

English II Advanced Honors
#3002A, 1 Credit, Prerequisite: English I
This course is part of the sequential program leading to the AP Language and Composition/AP Literature and Composition classes taken during the junior/senior year. In addition to the honors curriculum, this course requires a greater depth of text reading, analysis, and writing in response to text. Summer reading is determined at the school level. Students will take the English II TN Ready Assessment upon completion of the course.

English III
#3003, 1 Credit, Prerequisite: English II
This course will focus on reading and comprehending a chronological survey of American Literature, including fiction and literary nonfiction, in the grades 11-12 text complexity band proficiently, with scaffolding as needed at the high end of the range. Throughout the course students will write routinely over extended time frames for a range of discipline-specific tasks, purposes, and audiences. Attention will be given to accurately using general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level. Language and conventions will be taught throughout the course through routine writing practice. Summer reading is determined at the school level. Students will take the English III TN Ready Assessment upon completion of the course.

English III Honors
#3003H, 1 Credit, Prerequisite: English II
Designed for the accelerated student, this course will focus on reading and comprehending a chronological survey of American Literature, including fiction and literary nonfiction, in the grades 11-12 text complexity band proficiently, with scaffolding as needed at the high end of the range. Throughout the course students will write routinely over extended time frames for a range of discipline-specific tasks, purposes, and audiences. Attention will be given to accurately using general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level. Language and conventions will be taught throughout the course through routine writing practice. Summer reading is determined at the school level. Students will take the English III TN Ready Assessment upon completion of the course.

English III Advanced Honors
#3003A, 1 Credit, Prerequisite: English II
In addition to the honors curriculum, this course requires a greater depth of text reading, analysis, and writing in response to text. Summer reading is determined at the school level. Students will take the English III TN Ready Assessment upon completion of the course.

English IV
#3005, 1 Credit, Prerequisite: English III
This course will focus on reading and comprehending British Literature, including fiction and literary nonfiction, in the grades 11-12 text complexity band proficiently, with scaffolding as needed at the high end of the range. Throughout the course students will write routinely over extended time frames for a range of discipline-specific tasks, purposes, and audience, with a focus on a major research paper. Attention will be given to

accurately using general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level. . Summer reading is determined at the school level.

English IV Honors
#3005H, 1 Credit, Prerequisite: English III
Designed for the accelerated student, this course will focus on reading and comprehending British Literature, including fiction and literary nonfiction, in the grades 11-12 text complexity band proficiently, with scaffolding as needed at the high end of the range. Throughout the course students will write routinely over extended time frames for a range of discipline-specific tasks, purposes, and audiences, with a focus on a major research paper. Attention will be given to accurately using general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level. Summer reading is determined at the school level.

English Composition I & II Dual Enrollment (satisfies English IV requirement)
#4039/#4040, 1 credit, Prerequisites: English I, II, & III, minimum 3.0 GPA required, offered through Motlow State Community College

English as a Second Language (ESL)
ESL IA–#3075A; ESL IB–#3075B; ESL IIA–#3075C; ESL IIB–#3075D; ESL III–#3075E; ESL IV–#3075F; ESL V – 3075G.
ESL classes are designed to teach English to students of another native language. Students are provided with instruction designed to develop and improve their levels of proficiency in understanding, speaking, reading, and writing the English language.

Mythology Honors
#21107H, ½ credit
Students study the myths of Greek and Roman legend, which will provide them an understanding of allusions made to myths in literature, art, music, psychology, medicine, and advertising. This course will be especially helpful to the college-bound student who has not taken a Latin course.

Foreign Language
Course Descriptions

French I Honors
#3041H, 1 Credit
Honors French I is designed for the accelerated student. This course provides a foundation for knowledge of basic concepts in the French language with focus on speaking, reading, writing, listening, and culture.

French II Honors
#3042H, 1 Credit, Prerequisite: French I
This course is designed for the accelerated student and is taught at a faster pace. Emphasis is placed on advanced speaking, reading, writing, listening, and culture.

Latin I Honors
#3032H, 1 credit, Prerequisite: Teacher Recommendation
Honors Latin I is designed for the accelerated student. Students are introduced to the classical world through the study of Latin vocabulary, grammar, and translation, as well as Roman history, culture, and mythology. Students in this course will benefit from an increased understanding of English composition and derivatives.

Latin ll Honors
#3032H, 1 credit, Prerequisite: Latin I
Honors Latin II enhances the skills learned in Latin I. A more in-depth study of Roman culture, mythology, and history is emphasized. Students will also translate Latin literature.

Spanish I
#3021, 1 Credit
Spanish I is an introduction to the speaking, listening, reading, writing, and understanding of the language and culture.

Spanish I Honors
#3021H, 1 Credit
Honors Spanish I is designed for the accelerated student. Spanish I is an introduction to the speaking, listening, reading, writing, and understanding of the language and culture.

Spanish I Honors
#3021NH, 1 Credit
Honors Spanish I is designed for the 9th grade accelerated student. Spanish I is an introduction to the speaking, listening, reading, writing, and understanding of the language and culture.

Spanish II
#3022, 1 Credit, Prerequisite: Spanish I
Spanish II vocabulary expands the speaking, listening, reading, writing, and understanding of the language and culture.

Spanish II Honors
#3022H, 1 Credit, Prerequisite: Spanish I
This course is designed for the accelerated student and is taught at a faster pace. Spanish II expands the speaking, listening, reading, writing, and understanding of the language and culture.

Spanish III Advanced Honors
#3023A, 1 Credit, Prerequisite: Spanish II
This course is a continuation of Spanish II. Emphasis will be placed on syntax, composition, vocabulary, and speaking skills. Students will also be required to study culture and literature.

Mathematics
Course Descriptions

Integrated Math I
#3117, 1 Credit
Integrated Math I is the first in a series of three integrated math courses. This course emphasizes linear and exponential expressions, equations, and functions. This course also focuses on geometric congruence and interpreting linear models from quantitative data. Students continue their learning and understanding of categorical and quantitative data. Students are also introduced to reasoning with equations by solving systems of equations in two variables. Students will take the TNReady Integrated Math I exam.

Sped Integrated Math IA
#31325, 1 Credit, Prerequisite: Test score

Students with qualifying disabilities as documented in the IEP shall be required to achieve at least Integrated Math I and II (or equivalents). The required number of credits will be achieved through increased instructional time, appropriate methodologies, accommodations, and other differentiated instruction as determined by the IEP team.

Sped Integrated Math IB

#31326, I credit, Prerequisite: Documented in the IEP

Students with qualifying disabilities as documented in the IEP shall be required to achieve at least Integrated Math I and II (or equivalents). The required number of credits will be achieved through increased instructional time, appropriate methodologies, accommodations, and other differentiated instruction as determined by the IEP team. Students will take the TNReady Integrated Math I exam.

Integrated Math I Honors

#3117H, 1 Credit

Integrated Math I is the first in a series of three integrated math courses. This course emphasizes linear and exponential expressions, equations, and functions. This course also focuses on geometric congruence and interpreting linear models from quantitative data. Students continue their learning and understanding of categorical and quantitative data. Students are also introduced to reasoning with equations by solving systems of equations in two variables. The honors course will substantially exceed the content standards and learning expectations in the Integrated Math I course. Students will take the TNReady Integrated Math I exam.

Integrated Math I Advanced Honors

#3117A, 1 Credit

Integrated Math I is the first in a series of three integrated math courses. This course emphasizes linear and exponential expressions, equations, and functions. This course also focuses on geometric congruence and interpreting linear models from quantitative data. Students continue their learning and understanding of categorical and quantitative data. Students are also introduced to reasoning with equations by solving systems of equations in two variables. The advanced honors course will substantially exceed the content standards and learning expectations in the Integrated Math I honors course. Students will take the TNReady Integrated Math I exam.

Integrated Math II

#3118, 1 Credit, Prerequisite: Integrated Math I

Integrated Math II is the second in a series of three integrated math courses. This course builds upon concepts taught in Integrated Math I with an emphasis on quadratic and polynomial expressions, equations, and functions. This course also focuses on geometric similarity and interpreting functions from a real life context. Students extend previous knowledge of exponential properties to rational exponents. This course also introduces probability of compound events and the complex number system. Students will take the TNReady Integrated Math II exam.

Sped Integrated Math IIA

#31335, 1 Credit, Prerequisite: Documented in the IEP

Students with qualifying disabilities as documented in the IEP shall be required to achieve at least Integrated Math I and II (or equivalents). The required number of credits will be achieved through increased instructional time, appropriate methodologies, accommodations, and other differentiated instruction as determined by the IEP team.

Sped Integrated Math IIB

#31336, 1 Credit, Prerequisite: Documented in the IEP

Students with qualifying disabilities as documented in the IEP shall be required to achieve at least Integrated Math I and II (or equivalents). The required number of credits will be achieved through increased instructional time, appropriate methodologies, accommodations, and other differentiated instruction as determined by the IEP team.

Integrated Math II Honors

#3118H, 1 Credit, Prerequisite: Integrated Math I Honors

Integrated Math II is the second in a series of three integrated math courses. This course builds upon concepts taught in Integrated Math I with an emphasis on quadratic and polynomial expressions, equations, and functions. This course also focuses on geometric similarity and interpreting functions from a real life context. Students extend previous knowledge of exponential properties to rational exponents. This course also introduces probability of compound events and the complex number system. The honors course will substantially exceed the content standards and learning expectations in the Integrated Math II course. Students will take the TNReady Integrated Math II exam.

Integrated Math II Advanced Honors

#3118A, 1 Credit, Prerequisite: Integrated Math I Advanced Honors

Integrated Math II is the second in a series of three integrated math courses. This course builds upon concepts taught in Integrated Math I with an emphasis on quadratic and polynomial expressions, equations, and functions. This course also focuses on geometric similarity and interpreting functions from a real life context. Students extend previous knowledge of exponential properties to rational exponents. This course also introduces probability of compound events and the complex number system. The advanced honors course will substantially exceed the content standards and learning expectations in the Integrated Math II honors course. Students will take the TNReady Integrated Math II exam.

Integrated Math III

#3119, 1 credit, Prerequisite Integrated Math II

Integrated Math III is the third in a series of three integrated math courses. This course builds upon concepts taught in Integrated Math I and Integrated Math II and emphasizes polynomial and rational expressions, equations, and functions. This course has a focus on geometric modeling and using algebra to prove geometric theorems. This course also introduces students to circles, basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. Students will take the TNReady Integrated Math III exam.

Integrated Math III Honors

#3119H, 1 credit, Prerequisite Integrated Math II

Integrated Math III is the third in a series of three integrated math courses. This course builds upon concepts taught in Integrated Math I and Integrated Math II and emphasizes polynomial and rational expressions, equations, and functions. This course has a focus on geometric modeling and using algebra to prove geometric theorems. This course also introduces students to circles basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. The honors course will substantially exceed the content standards and learning expectations in the Integrated Math II course. Students will take the TNReady Integrated Math III exam.

Integrated Math III Advanced Honors

#3119A, 1 credit, Prerequisite Integrated Math II

Integrated Math III is the third in a series of three integrated math courses. This course builds upon concepts taught in Integrated Math I and Integrated Math II and emphasizes polynomial and rational expressions,

equations, and functions. This course has a focus on geometric modeling and using algebra to prove geometric theorems. This course also introduces students to circles, basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. The advanced honors course will substantially exceed the content standards and learning expectations in the Integrated Math II Honors course. Students will take the TNReady Integrated Math III exam.

Bridge Mathematics
#3181, 1 Credit, Recommended Prerequisites: Algebra I, Algebra II, Geometry
This course is designed to prepare students for college level mathematics. Included in the course of study are diagrammatic, verbal, symbolic, graphical and numerical mathematics. A new approach will be used to develop concepts, make connections and support concepts through applications with numbers, geometry, functions and data. The Bridge Mathematics course is designed for 12th grade students who have not scored a 19 or higher on the ACT by the beginning of their senior year.

Applied Mathematical Concepts
#3183, 1 Credit, Prerequisites: Geometry and Algebra II with teacher recommendation
Applied Mathematical Concepts is fourth year mathematics course. Applications and modeling using mathematics are the primary foci of this course. Mathematical clusters include; financial mathematics, linear programming, logic and Boolean algebra, problem solving, investigative logic, interpreting data, combinatorics, normal probability distributions, as well as confidence intervals.

Applied Mathematical Concepts Honors
#3183H, 1 Credit, Recommended Prerequisites: Geometry and Algebra II with teacher recommendation, Honors Geometry and/or Honors Algebra II
Applied Mathematical Concepts is fourth year mathematics course. Applications and modeling using mathematics are the primary foci of this course. Mathematical clusters include; financial mathematics, linear programming, logic and Boolean algebra, problem solving, investigative logic, interpreting data, combinatorics, normal probability distributions, as well as confidence intervals.

SAILS Math
#4011M, 1 credit
Designed for seniors who score between 15-18 on the ACT math subtest. Successful completion of SAILS Math allows students to enroll in college level math courses at the postsecondary level regardless of final math subscore on the ACT for some institutions.

College Algebra Dual Enrollment
#4012, ½ credit, Prerequisites: Integrated Math I, Integrated Math II, Integrated Math 3 or equivalent, minimum 3.0 GPA required, offered through Motlow State Community College

Probability and Statistics Dual Enrollment
#4013, ½ credit, Prerequisites: Integrated Math I, Integrated Math II, Integrated Math 3 or equivalent, minimum 3.0 GPA required, offered through Motlow State Community College

Pre-Calculus Honors
#3126H, 1 Credit, Recommended Prerequisites: Geometry and Algebra II with teacher recommendation, Honors Geometry and/or Honors Algebra II
The topics in this course are trigonometry, conics, statistics, and understanding of all functions, exponential functions, and logarithmic functions, sequences and series, matrices, and limits. When this course is completed, the student will be prepared for Calculus.

Pre-Calculus Dual Enrollment
#4011P, ½ credit, Prerequisites: Integrated Math I, Integrated Math II, Integrated Math 3 or equivalent, minimum 3.0 GPA required, offered through Motlow State Community College

Calculus I Dual Enrollment
#4015, ½ credit, Prerequisites: Integrated Math I, Integrated Math II, Integrated Math 3 or equivalent, minimum 3.0 GPA required; offered through Motlow State Community College

Statistics Advanced Placement
#3129AP, 1 Credit, Recommended Prerequisites: Advanced Algebra and Trigonometry or Honors Pre-Calculus
A student may take this course to test for credit. If the student is taking it for credit the entire curriculum must be mastered. The topics for this course are the same as the Honors Statistics except they are taught at a faster pace and with more depth. A student will be expected to master statistical inference, and the course will be supplemented with advanced problem sets and projects. Students have the option of taking the nationwide Advanced Placement Examination administered by the College Board

Science
Course Descriptions

Biology I
#3210, 1 Credit
Biology I is a laboratory science course that investigates the relationship between structure and function from molecules to organisms and systems, the interdependence and interactions of biotic and abiotic components of the environment, and mechanisms that maintain continuity and lead to changes in populations over time. Students explore biological concepts through an inquiry approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Cells, Interdependence, Flow of Matter and Energy, Heredity, and Biodiversity and Change. The student will take the state Biology End-of-Course test at the end of the course which counts 25% of the second semester grade.

Biology I Honors
#3210H, 1 Credit
Honors Biology I includes the same areas of study as Biology I but is designed for the student who needs a strong biological foundation for future studies or career choices. The student will be expected to demonstrate high skills in reading, writing and the ability to operate independently and as a group member, both in regular classroom operations, laboratory settings, and special assignments. Students will be expected to operate in a technology and laboratory rich environment. The student will take the state Biology End-of-Course test at the end of the course which counts 25% of the second semester grade.

Biology I Advanced Honors
#3210A, 1 Credit
Advanced Honors Biology I is a one-credit, two semester course designed for students who intend to major in a science related field or show strong interest in the subject. This course covers the same material as Honors Biology I at a faster pace and with more depth. The students who successfully complete this course will have the foundation necessary for success in Advanced Placement Biology.

Biology IA
#32105, 1 Credit
Students with qualifying disabilities can achieve the Biology credit over the two years of Biology IA and Biology IB. The student will be given increased instructional time, appropriate accommodations and differentiation.

Biology IB
#32106, 1 Credit
Students with qualifying disabilities can achieve the Biology credit over the two years of Biology IA and Biology IB. The student will be given increased instructional time, appropriate accommodations and differentiation. Students will take the Biology end-of-course assessment.

Physical Science
#3202, 1 Credit
Physical Science is a laboratory science course that explores the relationship between matter and energy. Students investigate physical science concepts through an inquiry-based approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Energy, Matter, Motion, and Forces.

Physical Science Honors
#3202H, 1 Credit
Honors Physical Science includes the same areas of study as Physical Science but is designed for the accelerated student who is able to apply algebraic and problem solving skills. Students will be expected to experience the content of Physical Science through inquiry learning in both classroom and laboratory settings. Group and individual projects, library research, and other college related skills are developed and practiced. Honors Physical Science provides a foundation for advanced studies in chemistry and physics.

Chemistry I
#3221, 1 Credit, Prerequisites: Algebra I, Physical Science, Biology I
Chemistry I is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Students use science process skills to study the fundamental structure of atoms, the way atoms combine to form compounds, and the interactions between matter and energy. Students explore chemistry concepts through an inquiry-based approach. Embedded standards for Inquiry, Mathematics, and Technology & Engineering are taught in the context of the content standards for Atomic Structure, Matter and Energy, and Interactions of Matter. The student will take the state Chemistry End-of-Course test at the end of the course which counts 25% of the second semester grade.

Chemistry I Honors
#3221H, 1 credit, Prerequisites: Physical Science or Biology and Integrated Math I
Honors Chemistry I is a laboratory science course that includes the same areas of study as Chemistry I but is designed for the student who displays a strong interest or ability in the subject. Students will be expected to apply research and algebraic skills both independently and as a group member, in regular classroom operation, laboratory settings, and special assignments. Students will be expected to operate in a technology and laboratory rich environment. Honors Chemistry I is a laboratory course and should include a minimum of 30% hands-on investigations.

Chemistry I Advanced Honors
#3221A, 1 Credit, Prerequisites: Honors Physical Science or Biology I and Algebra I
Advanced Honors Chemistry I includes the same areas of study and expectations as Honors Chemistry I. This course is designed for those students who intend to graduate with at least four (4) credits in science. Students will be exposed to greater challenges and depth of study than Honors Chemistry I. The student will take the state Chemistry End-of-Course test at the end of the course which counts 25% of the second semester grade.

Anatomy and Physiology Honors
#3251H, 1 Credit, Prerequisites: Biology I and Chemistry I Honors
Human Anatomy and Physiology is a laboratory science course that includes of an in-depth study of the body systems that maintain homeostasis from anatomical, physiological, and histological perspectives. Students explore anatomical and physiological concepts through an inquiry-based approach. Embedded standards for Inquiry and Technology & Engineering are taught in the context of the content standards for Anatomical Orientation, Protection, Support, and Movement, Integration and Regulation, Transportation, Absorption and Excretion, and Reproduction, Growth, and Development.

Biology II Honors
#3216H, 1 Credit, Prerequisite: Biology I Honors
Biology II is a laboratory science course in which students engage in an in-depth study of the principles of biology. This course emphasizes internal and external anatomical structures and their functions, the environmental interaction of organisms, processes of living things, mechanisms that maintain homeostasis, biodiversity, and changes in life forms over time. Students explore biological concepts through an inquiry approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Cells, Interdependence, Flow of Matter and Energy, Heredity, Biodiversity and Change, Comparative Anatomy and Physiology, and Botany.

Ecology Honors
#3255H, 1 Credit, Prerequisites: Biology I, Chemistry I or Physics
Ecology is a laboratory science course that enables students to develop an understanding of the natural and man-made environment and the environmental problems the world faces. Students explore ecological concepts through an inquiry approach. Embedded standards for Inquiry and Technology & Engineering are taught in the context of the content standards for Individuals, Populations, Communities, Ecosystems, Biomes, Humans and Sustainability

Social Studies
Course Descriptions

World History and Geography
#3401, 1 Credit
Students will study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. They will examine the origins and consequences of the Industrial Revolution, nineteenth century political reform in Western Europe, and imperialism in Africa, Asia, and South America. They will explain the causes and consequences of the great military and economic events of the past century, including the World Wars, the Great Depression, the Cold War, and the Russian and Chinese Revolutions. Finally, students will study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflict in many parts of the world. Relevant Tennessee connections will be part of the curriculum, as well as appropriate primary source documents. Students will explore geographic influences on history, with attention given to political boundaries that developed with the evolution of nations from 1750 to the present and the subsequent human geographic 51 issues that dominate the global community. Additionally, students will study aspects of technical geography such as GPS and GIS, and how these innovations continuously impact geopolitics in the contemporary world.

World History and Geography Honors
#3401H, 1 Credit
This course is designed for the accelerated student who wishes to place greater emphasis upon historical analysis, writing, research, and documentary study.

Human Geography Advanced Placement
#3450AP, 1 Credit
In this course you will learn about the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ concepts and landscape analyses to analyze human social organization and its environmental consequences. You will also learn about the methods and tools geographers use in their science and practice. Students have the option of taking the nationwide Advanced Placement Examination administered by the College Board. This course will not substitute for World Geography.

United States History & Geography
#3405, 1 Credit
Students will examine the causes and consequences of the Industrial Revolution and America's growing role in world diplomatic relations, including the Spanish-American War and World War I. Students will study the goals and accomplishments of the Progressive movement and the New Deal. Students will also learn about the various factors that led to America's entry into World War II, as well as its consequences for American life. Students will explore the causes and course of the Cold War. Students will study the important social, cultural, economic, and political changes resulting from the Civil Rights Movement, the Cold War, and recent events and trends that have shaped modern-day America. Additionally, students will learn the causes and consequences of contemporary issues impacting their world today. Students will continue to use skills for historical and geographical analysis as they examine American history since Reconstruction with special attention to Tennessee connections in history, geography, politics, and people. Students will continue to learn fundamental concepts in civics, economics, and geography within the context of United States history. The reading of primary source documents is a key feature of United States history standards. Finally, students will focus on current human and physical geographic issues important in contemporary America and the global society.

United States History & Geography Honors
#3405H, 1 Credit
This course is designed for the accelerated student. It begins with an overview of U.S. History from colonization through the Civil War. Primary emphasis is on the Reconstruction Period through the Modern Era. Students will utilize different methods that historians use to interpret the past including points of view and historical context.

United States History Advanced Placement
#3440AP, 1 Credit
This course is open to students who wish to approach American history at an advanced level. Students will be expected to possess a strong social studies and/or history background and must evidence a capacity for achievement. The course will be taught as a first-year college survey through the use of a college textbook and college level parallel readings. Emphasis will be placed upon historical analysis, writing, research, and documentary study. Students have the option of taking the nationwide Advanced Placement Examination administered by the College Board.

Economics
#3431, ½ Credit
This course is designed to help students understand how people, businesses, and governments choose to use resources. The following topics are addressed: consumer decision-making, supply and demand, market organization, economic measurements, financial structures, unemployment and inflation, monetary and fiscal policies, and globalization.

Economics Honors
#3431H, ½ Credit
This course is designed for the accelerated student and will be a more in-depth study of the topic addressed in economics.

U.S. Government and Civics
#3407, ½ Credit
Students will study the purposes, principles, and practices of American government as established by the Constitution. Students are expected to understand their rights and responsibilities as citizens and how to exercise these rights and responsibilities in local, state, and national government. Students will learn the structure and processes of the government of the state of Tennessee and various local governments. The reading of primary source documents is a key feature of United States Government and Civics standards.

U.S. Government and Civics Honors
#3407H, ½ Credit
This course is designed for the accelerated student and will be a more in-depth study of national, state, and local government.

Advanced Placement US Government and Politics
#3445AP, 1 credit
Students will enroll in AP Government and Politics - United States (#3445) or AP Government and Politics - Comparative (#3446). Students have the option of taking the nationwide Advanced Placement Examination by the College Board.

Personal Finance
#3496, ½ Credit
Personal Finance is a foundational course designed to inform students how individual choices directly influence occupational goals, future earning potential, and long term financial well-being. The standards in this course cover decision-making skills related to goal setting, earning potential, budgeting, saving, borrowing, managing risk, and investing. The course helps students meet the growing complexities of personal financial management and consumer decision making. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Mathematics, as well as Tennessee Economics standards.

Personal Finance Honors
#3496H, ½ Credit
Personal Finance is a foundational course designed to inform students how individual choices directly influence occupational goals, future earning potential, and long term financial well-being. The standards in this course cover decision-making skills related to goal setting, earning potential, budgeting, saving, borrowing, managing risk, and investing. The course helps students meet the growing complexities of personal financial management and consumer decision making. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Mathematics, as well as Tennessee Economics standards. Honors courses will ensure that the “approved

honors courses" substantially exceed the content standards, learning expectations, and performance indicators as approved by the State Board of Education.

Contemporary Issues
#3435, 1 Credit
This course is designed to help students develop skills in oral and written communication, information gathering, critical thinking and problem solving as students study contemporary issues. It focuses on current trends and issues in the governmental, political, economic, and geographical areas.

Psychology Dual Enrollment
#4029, ½ credit, minimum 3.0 GPA required, offered through Motlow State Community College

Sociology Dual Enrollment
#4027, ½ credit, minimum 3.0 GPA required, offered through Motlow State Community College

Health and Physical Education Course Descriptions

Lifetime Wellness
Health, #3303H, ½ Credit; Physical Education, #3303P, ½ Credit; Wresting, #3303W, 1 Credit
Wellness is a required course containing the following modules: nutrition, personal fitness and related skills, mental health, disease prevention and control, sexuality and family life, substance use and abuse, and safety and first aid.

Physical Education II
#3302, 1 Credit
The numerous activities in the physical education program include daily warm-ups for each student, followed by individual and team sports. These activities provide carry over values for leisure time participation.

Strength & Conditioning
#3397, 1 Credit
This course is needed to give entering strength and conditioning students an opportunity to learn foundational basic concepts and give students a strong basis for further performance in the area of strength and conditioning. This course is designed to develop basic competencies in the fundamental techniques of strength conditioning with emphasis on safety skills. Series of agility and weight exercises are designed to increase strength, flexibility, stamina, and concentration. The course explores principles and benefits of strength conditioning.

Driver Training
#3321, ½ Credit, Prerequisite: At least 15 years of age before or during the semester of enrollment
Driver Training includes a minimum of thirty class hours of instruction and six hours of experience behind the wheel. Current problems on the highway are presented along with laws governing highway use. The primary objective is to make the student a safe, responsible, and defensive driver.

JROTC I
#3331, 1 Credit
JROTC I begins the development of cadets into better citizens through a series of instructional blocks including physical fitness, leadership, hygiene and first aid, drill and ceremonies, map reading, oral and written

communications, military history, study of the constitutional form of government, marksmanship, and drug education. Wellness modules include nutrition, personal fitness, disease prevention and control, substance abuse, and safety/first aid. Extracurricular activities are offered in drill team, color guard, rifle team, and adventure training in JROTC I-IV.

JROTC II

#3332, 1 Credit, Grades 10-12, Prerequisite: JROTC I

JROTC II is a continuation of studies to further develop cadets into better citizens. A series of instructional blocks is conducted with cadets assuming some leadership positions within the battalion. Subject matter includes techniques of oral and written communications, drill and ceremonies, map reading and land navigation, intermediate leadership, intermediate first aid and hygiene, legislative process of government, U.S. military forces, technology awareness, physical fitness, role of females in the military, drug abuse and prevention, and the study of world issues including military history. Wellness modules included are personal fitness, mental health, sexuality and family life, substance abuse, and first aid. Note: Successful completion of two (2) years of JROTC substitutes for one credit of Lifetime Wellness and ½ credit of Physical Education.

JROTC III

#3333, 1 Credit, Grades 11-12, Prerequisite: JROTC I and JROTC II

JROTC III is a continuation of studies to further develop cadets into better citizens. A series of instructional blocks is conducted with cadets assuming larger roles as leaders within the battalion. Subject matter includes advanced techniques of oral and written communications, advanced map reading and land navigation, geography, advanced leadership, unlocking potential, American military history, advanced first aid, current events and world affairs, drug abuse and prevention, physical fitness, judicial process of government, and military law enforcement process. Note: Successful completion of three (3) years of JROTC substitutes for ½ credit Personal Finance and if teacher is HQ under NCLB, ½ credit U.S. Government.

JROTC IV

#3334, 1 Credit, Grades 11-12, Prerequisite: JROTC I, JROTC II, and JROTC III

JROTC IV is a culmination of studies begun in JROTC I, II, and III of citizenship development within cadets. Seniors (JROTC IV Cadets) are integrated with other JROTC classes and assigned advanced leadership positions within the battalion. A self-study text is provided at the outset with additional responsibilities outlined by the senior army instructor. In view of the advanced stages of instruction received in previous years, the seniors are tasked with staff and administrative responsibilities to prepare them for functioning in a leadership role in our society. Subject matter contained in the self-study text is essentially an advanced level of material covered in previous years. Senior cadets are also utilized as classroom instructors and drill supervisors. Completion of four years of JROTC allows a graduate, if desired, to enter the Armed Forces at a higher grade.

JROTC V

#3339, 1 Credit

This course allows a mixture of first through fourth year cadets.

Fine Arts
Course Descriptions

Instrumental Music

#3530B-Beginning Band; #3530W-Wind Ensemble; #3530C-Concert Band; #3530G-Color Guard

These courses may require after school rehearsals, performances and/or field trip(s) that will be used as part of the evaluation process. This course may also require designated fees for membership that can be alleviated

through student/parent fundraising. Students can earn credit in each instrumental organization for multiple years. Marching band will substitute for ½ PE credit.

Vocal Music
#3531-Patriot Voices; #3531C-Concert Choir; #3531-Women's Choir; #3531M-Men's Choir
Emphasis is placed on improving music reading skills and performance techniques through standard and custom choral literature. Students in these classes should have previous vocal experience. The students in this class should exhibit basic music reading skills and have knowledge of basic vocal techniques. This course may require after school rehearsals, performances and/or field trip(s) that will be used as part of the evaluation process. These courses may also require designated fees for membership that can be alleviated through student/parent fundraising. Students can earn credit in each instrumental organization for multiple years.

Musical Theatre
#3542M, Prerequisite: Theatre Arts I or choir, application, and audition
This course will provide students with specialized instruction in singing, dancing, projection, blocking, choreography, motivation, and character study. Classic and current musicals and iconic performances will be studied and analyzed throughout the course.

Theatre I
#3520, 1 credit
The Theatre Arts I class involves learning the knowledge and skills of theater as a dramatic action. Students study historical genres, critique, create, perform and participate in a variety of theater-based learning experiences including acting in monologues, scenes, improvising, pantomimes, and working on theatrical productions creating a heightened awareness to the arts. This course may require after school rehearsals and performances that will be used as part of the evaluation process

Theatre II
#3521, 1 credit, Prerequisites: Theatre I and teacher approval
The Theatre Arts II class studies the more advanced elements of theater and drama. Students learn to write scripts, research, create, design and perform to develop critical thinking and collaboration techniques. Students are also more involved in the technical aspects of production including lighting, sound, makeup, costume and set design. This course may require after school rehearsals and performances that will be used as part of the evaluation process.

Theatre III
#3521, 1 credit, Prerequisites: Theatre I and teacher approval
The Theatre Arts III class studies the more advanced elements of theatre and drama that will help to prepare students interested in pursuing theatre in a post-secondary or work-related setting. Students are challenged with a more in-depth study of techniques, media, tools, and processes characteristic of drama as an art form. This course may require after school rehearsals and performances that will be used as part of the evaluation process.

Theatre IV
#3521, 1 credit, Prerequisites: Theatre I and teacher approval
The Theatre Arts IV class continues studies of advanced elements of theatre and drama to prepare those interested in pursuing theatre in a postsecondary or work-related setting. Students will be required to prepare and participate in a senior project. This course may require after-school rehearsals and performances that will be used as part of the evaluation process.

Visual Art I
#3501, 1 Credit
Visual Art I is a broad-based introductory course that stresses art elements and principles of design. Visual Art studio areas, art history, art criticism, and aesthetics are also taught.

Visual Art II
#3502, 1 Credit
Visual Art II builds on skills learned in Visual Art I. Students explore new media and techniques.

Visual Art III
#3503, 1 Credit
Visual Art III is an advanced art class in all areas of visual art. Projects build on skills learned in Visual Art I and II and allow more time for work in media of particular interest to the individual student.

Visual Art III/Photography
#3503P, 1 Credit, Prerequisites: Visual Art I and teacher recommendation
Course description currently not available.

Visual Art IV
#3503O, 1 Credit
Visual Art IV is for students who are planning to go to art school or to major in art in college. The students develop their entrance portfolios, study examples of other students' portfolios, go to portfolio reviews, and develop their portfolios into duplicated slide portfolios. The students also pick a concentration to work on and do a series of works based on this concentration.

Career & Technical Education
Course Descriptions

Preparing Today's Students for Tomorrow's Opportunities

Tennessee's Career and Technical Education (CTE) Programs of Study are meant to provide a relevant framework of industry-aligned, rigorous courses that progress a student in knowledge and skills year over year. They also provide invaluable opportunities for students to experience a subject they are passionate about and explore interests that could lead to postsecondary learning and future career paths. These sequenced courses also reflect and support the three credit "elective focus" requirement for graduation.

Note: All Career & Technical courses require a federally-mandated safety test be administered at the beginning of the course with each student required 100 percent accuracy to remain in class.

Mechatronics Engineering and Maintenance

Engineering Design and Prototyping
#6139, Grade 9, 1 Credit, Prerequisite: 3.0 GPA, Teacher Recommendation and interview (yearlong course). Students must apply to the program.
Engineering Design and Prototyping incorporates precision measure and computer aided drafting (Solidworks) to design/develop in 2D/3D, 3D print, and CNC mill working prototypes. Students will be able to earn their CSWA industry certification. This course is a pre-requisite for Digital Electronics. Standards in this course are aligned to industry certification.

Digital Electronics

#5925, Grade 10, 1 Credit, Prerequisite: 3.0 GPA, Teacher Recommendation and interview (yearlong course). Students must apply to the program.

Digital Electronics is intended to provide students with an introduction to the basic components of digital electronic systems and robotics programming, equipping them with the ability to use these components to design more complex digital systems. Proficient students will be able to (1) describe basic functions of digital components (including gates, flip flops, counters, and other devices upon which larger systems are designed), (2) use these devices as building blocks to design larger, more complex circuits, (3) implement these circuits using programmable devices, and (4) effectively communicate designs and systems. Students develop additional skill in technical documentation when operating and troubleshooting circuits. Upon completion of the Digital Electronics course, students will be able to design a complex digital system and communicate their designs through a variety of media. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

Mechatronics Engineering (Dual Enrollment with MTSU and Motlow State Community College)

Grade 11 and 12, multiple Credits, Prerequisites: 3.0 GPA, Teacher Recommendation, and interview. Students must apply to the program.

Mechatronics is an applied course for students who want careers as an Engineers or for those that want to earn their Associates Degree (61 credit hours, two full years of college) by the time they graduate high school. Students will earn college credit with Motlow State Community College and Middle Tennessee State University (up to 37 credit hours). Courses and codes are listed below. Courses cover basic electrical and mechanical components, electro pneumatic, and hydraulic control circuits, robotics, programming, and motor control in a complex mechatronic system. In addition, the course addresses basic digital logic and programmable logic controllers (PLCs) employed in the mechanical, electronic, and control systems in a mechatronics system. Upon completion of this course, proficient students can describe and explain basic functions of physical properties and electrical components within a mechatronic system. They can logically trace the flow of energy through a mechatronic system and can communicate this process to others. They know how to effectively use technical documentation such as data sheets, schematics, timing diagrams, circuit diagrams, displacement step diagrams, timing diagrams, and function charts) to troubleshoot and resolve malfunctioning pneumatic and hydraulic components and circuits. They demonstrate understanding of the role of programmable logic controllers (PLC) in mechatronic systems and the ability to write, debug, and run basic ladder logic. and system specifications to troubleshoot basic problems with equipment. Finally, they develop strategies to identify, localize, and correct malfunctioning components and equipment. Students will also learn how to weld, CNC Plasma cut, CNC Mill, Laser engrave, program microcontrollers in C type languages. Students will also have to ability to compete locally and nationally in TSA (Technology Student Association) completions. Standards in this course are aligned with Tennessee State Standards in English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

Students will have the opportunity to earn the following industry certifications:

Siemens Level 1
FANUC level 1 robotics
CSWA (certified solidworks associate)
OSHA 10 Safety
Precision Measurement tools (6 different industry certifications)

Junior Year:

#4063A MECH 1310 - Electrical Components (Motlow State course)
#4063M MECH 1320 - Mechanical Components and Electrical Drives (Motlow State course)
#4063R MECH 1350 – Industrial Robots – Fanuc Certification (Motlow State course)
#4063MC MECH 2320 - Motor Control (Motlow State course)

Senior Year: Siemens Level 1 Certification

#4063F MECH 1330 - (Electro) Pneumatic and Hydraulic Control Circuits **Must take this course before taking MECH 1340. (Motlow State course)
#4063P MECH 1340 - Digital Fundamentals and Programmable Logic Controllers (Motlow State course)
#4124A ENGR 2130 Electrical Circuit Analysis I (MTSU course)
#4124B ENGR 3520 Digital Circuit Fundamentals (MTSU course)
#4124C ENGR 2100 Engineering Design (MTSU course)
#4121D ENGR 2110 Statics (MTSU course)
#4011P MATH1720 Pre-Calculus II (Motlow State course)
#4015 MATH1910 Calculus I (Motlow State course)

***Qualified students who are earning their associates degree will complete all MECH courses their junior year and most likely both MATH courses.**

Agriculture, Food & Natural Resources

Agriscience
#5957, Grade 9, 1 Credit
Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. In addition, it serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee state standards in Anatomy and Physiology, Biology I, Biology II, Chemistry I, Chemistry II, Environmental Science, Physical Science, Physics, and Physical World Concepts, as well as the National Agriculture, Food and Natural Resources Career Cluster Content Standards. This course counts as a lab science credit toward graduation and college entrance requirements.

Agriscience Honors
#5957H, Grade 9, 1 Credit
Agriscience is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. In addition, it serves as the first course for all programs of study in the Agriculture, Food and Natural Resources Cluster. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee state standards in Anatomy and Physiology, Biology I, Biology II, Chemistry I, Chemistry II, Environmental Science, Physical Science, Physics, and Physical World Concepts, as well as the National Agriculture, Food and Natural Resources Career Cluster Content Standards. This course counts as a lab science credit toward graduation and college entrance requirements. Honors courses will ensure that the "approved honors courses" substantially exceed the content standards, learning expectations, and performance indicators as approved by the State Board of Education.

Principles of Agricultural Mechanics
#5944, Grades 10-11, 1 Credit, Prerequisite: Agriscience
Principles of Agricultural Mechanics is a course introducing students to basic skills and knowledge in construction and land management for both rural and urban environments. This course covers topics including project management, basic engine and motor mechanics, land surveying, irrigation and drainage, agricultural structures, and basic metalworking techniques. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Mathematics, and National Agriculture, Food, and Natural Resources Career Cluster Content Standards.

Agricultural Power and Equipment
#5945, Grade 11, 1 Credit, Prerequisites: Agriscience and Principles of Agricultural Mechanics
Agricultural Power and Equipment is an applied-knowledge course in agricultural engineering with special emphasis on laboratory activities involving small engines, tractors, and agricultural equipment. The standards in this course address navigation, maintenance, repair, and overhaul of electrical motors, hydraulic systems, and fuel-powered engines as well as exploration of a wide range of careers in agricultural mechanics. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and National Agriculture, Food and Natural Resources Career Cluster Content Standards.

Agricultural and Biosystems Engineering (Early Day)
#5963E, Grade 12, 1 Credit, Prerequisite: Agriscience
Agricultural and Biosystems Engineering is a capstone course that prepares students for further study or careers in engineering, environmental science, agricultural design and research, and agricultural mechanics. Special emphasis is given to the many modern applications of geographic information systems (GIS) and global positioning systems (GPS) to achieve various agricultural goals. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Mathematics, and National Agriculture, Food and Natural Resources Career Cluster Content Standards.

Small Animal Science
#5958, Grades 10-11, 1 Credit, Prerequisite: Agriscience
Small Animal Science is an applied course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of 86 different groups of small animals, as well as careers, leadership, and history of the industry. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, Tennessee state standards in Biology I, Biology II, and Anatomy and Physiology, as well as National Agriculture, Food and Natural Resources Career Cluster Content Standards.

Large Animal Science
#6116, Grades 11-12, 1 Credit, Prerequisite: Agriscience
Large Animal Science is an applied course in veterinary and animal science for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of different groups of large animals, as well as careers, leadership, and history of the industry. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, as well as Tennessee state standards in Anatomy and Physiology and National Agriculture, Food and Natural Resources Career Cluster Content Standards.

Veterinary Science Honors
#5961H, Grade 12, 1 Credit, Prerequisite: Agriscience
Veterinary Science is an advanced course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and additional industry-related career and leadership knowledge and skills. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee state standards in Anatomy and Physiology, Biology I, and Biology II, as well as National Agriculture, Food and Natural Resources Career Cluster Content Standards. Honors courses will

ensure that the “approved honors courses” substantially exceed the content standards, learning expectations, and performance indicators as approved by the State Board of Education.

Architecture & Construction

Fundamentals of Construction
#6073, Grade 9, 1 Credit
Fundamentals of Construction is a foundational course in the Architecture & Construction cluster covering essential knowledge, skills, and concepts required for careers in construction. Upon completion of this course, proficient students will be able to describe various construction fields and outline the steps necessary to advance in specific construction careers. Students will be able to employ tools safely and interpret construction drawings to complete projects demonstrating proper measurement and application of mathematical concepts. Standards in this course also include an overview of the construction industry and an introduction to building systems and materials. Students will begin compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and the National Center for Construction Education and Research (NCCER) Curriculum.

Residential & Commercial Construction I
#6162, Grade 10, 1 Credit, Prerequisite: Fundamentals of Construction
Residential & Commercial Construction I is the second course in the Residential & Commercial Construction program of study intended to prepare students for careers in construction by developing an understanding of the different phases of a construction project from start to finish. Upon completion of this course, proficient students will be able to demonstrate knowledge and skill in the earlier phases of building construction, including site layout, foundation systems, concrete, framing systems, and electrical systems. Students will be able to perform concrete work; frame walls, ceilings, and floors of a structure; and install proper wiring while safely employing tools and interpreting construction drawings to complete projects. Emphasis is placed on demonstrating proper measurement and application of mathematical concepts. Standards in this course also include principles of the construction industry and business and project management. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, Tennessee Physical Science Standards, and the National Center for Construction Education and Research (NCCER) Curriculum.

Residential & Commercial Construction II
#6163, Grade 11, 1 Credit, Prerequisites: Fundamentals of Construction and Residential & Commercial Construction I
Residential & Commercial Construction II is the third course in the Residential & Commercial Construction program of study intended to prepare students for careers in construction by developing an understanding of the different phases of a construction project from start to finish. Upon completion of this course, proficient students will be able to demonstrate knowledge and skill in the later phases of building construction including roofing systems, exterior finishing, stair framing systems, masonry systems, and plumbing systems. Students will be able to perform masonry work; frame roofs; install shingles on roofs; apply exterior finishes; and install proper piping for plumbing systems while safely employing tools and interpreting construction drawings to complete projects. Emphasis is placed on demonstrating proper measurement and application of mathematical concepts. Standards in this course also include an introduction to heating, ventilation, and air conditioning systems, principles of the construction industry, and business and project management. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout

the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, Tennessee Physical Science Standards, Tennessee Physics Standards, and the National Center for Construction Education and Research (NCCER) Curriculum.

Mechanical, Electrical, & Plumbing Systems
#6161, Grade 10, 1 Credit, Prerequisite: Fundamentals of Construction
Mechanical, Electrical, & Plumbing Systems prepares students for electrical, plumbing, and HVAC careers by introducing students to the physical principles of these systems and the fundamental skills needed to work with them. Upon completion of this course, proficient students will be able to follow safety procedures and use tools to perform basic operations with electrical circuits, as well as demonstrate understanding in fundamental concepts of electricity theory (i.e. Ohm's Law). Students will be able to apply proper tools and procedures to perform basic operations with plastic piping, including measuring, cutting, and joining pipe. Furthermore, students will be able to apply mathematics concepts to solve HVAC, electrical, and plumbing problems. Standards in this course also include principles of the construction industry and business and project management. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study

HVAC
#6077, Grade 11-12, 1 credit, Prerequisite: MEPS
HVAC prepares students for careers in residential and commercial heating, ventilation, air conditioning, and refrigeration. Upon completion of this course, proficient students will be able to demonstrate knowledge and skill in performing basic operations with HVAC systems, with emphasis on safety, tools, and equipment specific to HVAC. In addition, students will be able to explain the functions and components of heating, cooling, and air distribution systems. They will demonstrate basic techniques to prepare piping and tubing for HVAC systems including performing soldering and brazing. Students will understand proper refrigerant management in preparation for EPA Section 608 Technician Certification. They will read and interpret drawings, specifications, and diagrams to determine materials needed to complete an HVAC project. Standards in this course also introduce basic troubleshooting and maintenance procedures and alternate power systems, and expand on principles of the construction industry, delving deeper into business and project management. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study.

Arts, Audio/Visual Technology & Communications

A/V Production I
#6049, Grade 9, 1 Credit
A/V Production I is a foundational course in the Arts, A/V Technology & Communications cluster for students interested in a/v (audio/visual) production occupations. Upon completion of this course, proficient students will be to explain and complete the phases of the production process including pre-production, production, and post-production. Students will establish basic skills in operating cameras and other production equipment. Standards in this course include career exploration, an overview of the history and evolution of a/v production, and legal issues affecting a/v production. In addition, students will begin compiling artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee State Standards for Physical World Concepts, Physics, and Visual Art.

A/V Production II

#6050, Grade 10, 1 Credit, Prerequisite: A/V Production I

A/V Production II is the second course in the A/V Production program of study intended to prepare students for a careers in audio/video production. Building on knowledge acquired in A/V Production I, this course advances technical skill in utilizing industry equipment related to lighting and audio, and it places special emphasis on the research and technical writing involved in planning productions. Upon completion of this course, proficient students will be able to plan, capture, and edit research-based productions of increasing complexity, individually and through collaboration in teams. In addition to more robust career preparation, standards in this course include an investigation of concerns affecting a/v production businesses, such as ethical and legal issues, technology, funding, and the organization of professional roles in various industries. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, as well as Tennessee State Standards for Physical World Concepts and Physics.

A/V Production III

#6083, Grade 11, 1 Credit, Prerequisites: A/V Production I and A/P Production II

A/V Production III is an applied-knowledge course intended to prepare students to pursue careers and postsecondary learning in audio/video production. Students in this course will apply knowledge and skills from previous courses in the program of study to create productions both independently and in teams, with the option of participating in a work-based learning experience for additional credit. Students will use industry equipment and technology to complete all phases of the production process, including planning, coordinating, capturing, editing, and distributing productions. Standards in this course include policies and regulations, independent and collaborative productions, distribution of media, and the production of live events. Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study. Upon completion of this course, proficient students will be prepared for a career in audio/video production or to transition to a postsecondary program for further study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects.

Digital Arts & Design I Honors

#6084H, Grade 9, 1 Credit

Digital Arts & Design I is a foundational course in the Arts, A/V Technology, & Communications cluster for students interested in art and design professions. The primary aim of this course is to build a strong understanding of the principles and elements of design and the design process. Upon completion of this course, proficient students will be able to utilize industry tools to conceptualize and create communications solutions which effectively reach targeted audiences. Students will acquire basic skills in illustration, typography, and photography. Standards in this course include career exploration, an overview of the history of design, basic business management, and legal issues. In addition, students will begin compiling artifacts for inclusion in a digital portfolio, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, Tennessee Visual Art standards, and Tennessee Visual Art History standards. Honors courses will ensure that the “approved honors courses” substantially exceed the content standards, learning expectations, and performance indicators as approved by the State Board of Education.

Digital Arts & Design II Honors
#6086H, Grade 10, 1 Credit, Prerequisite: Digital Arts & Design I Honors
Digital Arts & Design II is a course that builds on the basic principles and design process learned in the introductory Digital Arts & Design I course. Upon completion of this course, proficient students will be able to perform advanced software operations to create photographs and illustrations of increasing complexity. Students will employ design principles and use industry software to create layouts for a variety of applications. Standards in this course also include an overview of art and design industries, career exploration, and business management. In addition, students will continue compiling artifacts for inclusion in a digital portfolio, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, Tennessee Visual Art standards, and Tennessee Visual Art History standards. Honors courses will ensure that the "approved honors courses" substantially exceed the content standards, learning expectations, and performance indicators as approved by the State Board of Education.

Digital Arts & Design III Honors
#6087H, Grade 11, 1 Credit, Prerequisites: Digital Arts & Design I Honors and Digital Arts & Design II Honors
Digital Arts & Design III is the third course in the Digital Arts & Design program of study. Applying design skills developed in prior courses, students will expand their creative and critical thinking skills to create comprehensive multimedia projects and three-dimensional designs. Upon completion of this course, proficient students will be able to use industry-standard software to create multimedia projects, webpages, three dimensional models, and animations. Students will utilize research techniques to plan and enhance project outcomes. Standards in this course also include professionalism and ethics, career exploration, and business and project management. In addition, students will continue compiling artifacts for inclusion in a digital portfolio, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee Visual Art standards. Honors courses will ensure that the "approved honors courses" substantially exceed the content standards, learning expectations, and performance indicators as approved by the State Board of Education.

Journalism (Yearbook)
#3008Y, 1 Credit
Journalism studies the types of production of traditional and electronic printed and photo journalism and enables the students to learn writing and visual communication skills, providing them with career skills in many field

Business Management

Computer Applications
#5891, Grades 9-10, ½ Credit
Computer Applications is a foundational course intended to teach students the computing fundamentals and concepts involved in the proficient use of common application software. Upon completion of this course, students will gain basic proficiency in word processing, spreadsheets, databases, and presentations. In addition, students will have engaged in key critical thinking skills and will have practiced ethical and appropriate behavior required for the responsible use of technology. Standards in this course are aligned with Tennessee State Standards for Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

Introduction to Business and Marketing

#5905, Grades 9-10, ½ Credit

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

Business Communications

#5888, Grades 10-12, 1 Credit

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

Business Management

#5889, Grades 10-12, 1 Credit, Prerequisite: Computer Applications

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. (Specific activities will require use of Internet, word processing, and spreadsheet software.)

Business & Entrepreneurship Practicum/Patriot Bank

#6159, Grades 11-12, 1 Credit, Prerequisite: Minimum of 2 credits in a Business or Marketing program Business & Entrepreneurship Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Business and Marketing courses within a simulated startup environment or authentic business setting. The course is structured to allow students the creativity to develop, launch, and market original business ideas. It is ideal for students who wish to pursue careers as future business owners or entrepreneurs. Practicum activities can take place around student-led startups under the supervision of the instructor, or in collaboration with a local business incubator. The standards in this course can also be used to promote student participation in a work-based learning (WBL) experience through an internship or other off-campus arrangement. Upon completion of the practicum, proficient students will be prepared to further develop their business ideas into viable ventures, or continue their study at the postsecondary level. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

IB Business Management

#3472/3473, Grades 11-12, 1 Credit each

IB Business Management is offered at standard level (SL). Students explore how and why individuals form organizations and their problems and life cycles, develop a broad knowledge of the variety of organizations that exist, examine and apply the principles of organizations and the techniques widely practiced in the ongoing process of decision making in organizations, develop an understanding of the interdependency of organizations and its effect on problem solving, and examine the role of individuals and groups within organizations.

Virtual Enterprises International Honors

#5900H/5900H2, Grades 11-12, 1 or 2 Credits, Prerequisite: Business Management or Marketing & Management I: Principles

Virtual Enterprises International (VEI) is a simulated business environment. The VE students will be involved in actual on-the-job work experiences, including accounting, personnel administration, management, and marketing. The only difference between the VE and an actual business is that no material goods are produced or legal tender exchanged. However, services will be provided. Working teams, students will develop and enhance oral and written communication skills through initiative, responsibility, and creativity. Successful completion of this course satisfied the Economic requirement.

Education and Training

Fundamentals of Education

#6123, Grade 9, 1 Credit

Fundamentals of Education is a foundational course in the Education and Training career cluster for students interested in learning more about becoming a school counselor, teacher, librarian, or speech-language pathologist. Upon completion of this course, proficient students will gain knowledge in the history of education in the United States, careers in education, and the influence of human development on learning. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee state standards in Biology I, Psychology, Sociology, U.S. Government and Civics, and U.S. History and Geography, as well as National Standards for Family and Consumer Sciences Education, Second Edition.

Teaching as a Profession I

#6010, Grade 10, 1 Credit, Prerequisite: Fundamentals of Education

Teaching as a Profession I (TAP I) is an intermediate course for students interested in learning more about becoming a school counselor, teacher, librarian, or speech-language pathologist. This course covers the components of instruction, teaching strategies, types of assessments, student learning, special populations, and educational technology. Students will conduct observations of educators at work and create artifacts for a course portfolio, which will continue with them throughout the program of study. Upon completion of this course, proficient students will have a fundamental understanding of instructional strategies needed for becoming an educator. Standards in this course are aligned with Tennessee 105 State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards for Psychology and Sociology, as well as the National Standards for Family and Consumer Sciences Education, Second Edition.

Teaching as a Profession II

#6125, Grade 11, 1 Credit, Prerequisite: Teaching as a Profession I

Teaching as a Profession II (TAP II) is an applied-knowledge course for students interested in learning more about becoming a teacher, school counselor, librarian, or speech-language pathologist. This course covers classroom management, concepts of higher order thinking, differentiating instruction, and strategies of

effective classroom planning. Students in this course will demonstrate their skills in laboratory settings while building a course portfolio of work, which will carry with them throughout the program of study. Upon completion of this course, proficient students will be prepared to take the capstone TAP III course and further their studies at the postsecondary level. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Psychology and Sociology, as well as National Standards for Family and Consumer Sciences Education, Second Edition.

Teaching as a Profession III
#6126, Grade 11, 1 credit, Prerequisite: Teaching as a Profession II
Teaching as a Profession III (TAP III) is a capstone course in the Education and Training career cluster for students interested in applying the knowledge and skills learned in previous courses toward becoming a teacher, school counselor, librarian, or speech-language pathologist. The course covers classroom professionalism, ethics, policies, communications, and career requirements in education fields. In addition, students will complete an internship and continue to create artifacts for their student portfolios. Upon completion of this course, proficient students will be prepared to pursue advanced training at a postsecondary institution. Standards in this course are aligned with Tennessee State Standards English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Psychology, as well as the National Standards for Family and Consumer Sciences Education, Second Edition.

Educational Psychology Dual Enrollment
#4085, Grade 12, 1 credit, Prerequisites: Teaching as a Profession II, 3.0 GPA Required, offered through Motlow State Community College

Fundamentals of Education Dual Enrollment
#4086, Grade 12, 1 credit, Prerequisites: Teaching as a Profession II, 3.0 GPA Required, offered through Motlow State Community College

Health Science

Health Science Education
#5998, Grades 9-10, 1 Credit
Health Science Education is an introductory course designed to prepare students to pursue careers in the fields of biotechnology research, therapeutics, health informatics, diagnostics, and support services. Upon completion of this course, a student proficient in Health Science Education will be able to identify careers in these fields, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills. This course will serve as a strong foundation for all of the health science programs of study. Standards in this course are aligned with Tennessee State Standards in English Language Arts & Literacy in Technical Subjects.

Medical Therapeutics
#5999, Grade 11, 1 Credit, Prerequisite: Health Science Education
Medical Therapeutics is an applied course designed to prepare students to pursue careers in therapeutic services. Upon completion of this course, a proficient student will be able to identify careers in therapeutics services; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatments. The student will incorporate communication, goal setting, and information collection skills to be successful in the workplace. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Partnership for 21st Century Skills Framework for 21st Century Learning, as well as Tennessee Anatomy and Physiology standards.

Anatomy and Physiology Honors

#3251H, Grade 11, 1 Credit, Biology I and Chemistry I

Human Anatomy and Physiology is a laboratory science course that includes of an in-depth study of the body systems that maintain homeostasis from anatomical, physiological, and histological perspectives. Students explore anatomical and physiological concepts through an inquiry-based approach. Embedded standards for Inquiry and Technology & Engineering are taught in the context of the content standards for Anatomical Orientation, Protection, Support, and Movement, Integration and Regulation, Transportation, Absorption and Excretion, and Reproduction, Growth, and Development.

Clinical Internship

#5993, Grade 12, 1 Credit, Prerequisite: Teacher Approval

Clinical Internship is a capstone course and work-based learning experience designed to provide students with real-world application of skills and knowledge obtained in a pre-requisite Health Science course. Upon completion of this course, students proficient in Clinical Internship will be able to pursue certification in the pre-requisite course of Cardiovascular Services or Pharmacological Science once they have graduated and reached 18 years of age. Prior to beginning work at a clinical site, students must be certified in Basic Life Support (BLS) Cardiopulmonary Resuscitation (CPR), and deemed competent in basic first aid, body mechanics, Standard Precaution guidelines, and confidentiality. Business Management & Administration concentrators may also take this course as part of a career practicum/work-based learning placement within the Health Services Administration program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee work-based learning guidelines. Note: Student to teacher ratio for this course is 15:1 in a clinical setting.

Rehabilitation Careers

#5990, Grade 11, 1 Credit, Prerequisite: Health Science Education

Rehabilitation Careers is an applied course designed to prepare students to pursue careers in rehabilitation services. Upon completion of this course, a proficient student will be able to identify careers in rehabilitation services. The successful student will recognize diseases, disorders or injuries related to rehabilitation services and correlate the related anatomy and physiology then develop a plan of treatment with appropriate modalities. The student will incorporate communication, goal setting, and information collection skills to be successful in the workplace. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, as well as Tennessee Anatomy and Physiology standards

Exercise Science

#6170, Grades 11-12, 1 Credit, Prerequisites: Rehabilitation Careers and Anatomy & Physiology

Exercise Science is an applied course designed to prepare students to pursue careers in kinesiology and exercise physiology services. Upon completion of this course, proficient students will be able to apply concepts of anatomy and physiology, physics, chemistry, bioenergetics, and kinesiology to specific exercise science contexts. Through these connections students will understand the importance that exercise, nutrition, and rehabilitation play in athletes or patients with debilitating or acute metabolic, orthopedic, neurological, psychological, and cardiovascular disorders. In addition, students have the opportunity to incorporate communication, goal setting, and information collection skills in their coursework in preparation for future success in the workplace. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee Anatomy and Physiology standards.

Hospitality and Tourism - Culinary Arts

Culinary Arts I
#5979, Grade 10, 1 Credit
Culinary Arts I equips students with the foundational knowledge and skills to pursue careers in the culinary field as a personal chef, caterer, executive chef, and food and beverage manager. Upon completion of this course, proficient students will have knowledge in the components of commercial kitchen safety and sanitation, history of the foodservice industry, careers, nutrition, recipe basics, proper kitchen tools and equipment, and kitchen staples. Throughout the course students will gain experience in commercial food production and service operations, while preparing 119 for further training at the postsecondary level. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects.

Culinary Arts II
#5980, Grade 11, 1 Credit, Prerequisite: Culinary Arts I
Culinary Arts II is an applied-knowledge course to prepare students for careers in the culinary field as a personal chef, caterer, executive chef, and food and beverage manager. Upon completion of this course, proficient students will have an understating of commercial kitchen safety and sanitation, menu planning, food presentation, purchasing and inventory, preparation skills, cooking principles, and food preparation. Students will gain experience in commercial food production and service operations, while preparing for further training at the postsecondary level. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

Culinary Arts III
#5981, Grade 12, 1 Credit, Prerequisite: Culinary Arts III
Culinary Arts III is an advanced course intended to further equip students with the skills and knowledge needed to pursue a variety of careers in the culinary field. Upon completion of the course, students will be proficient in components of commercial kitchen safety and sanitation, dining room service, food preparation and presentation, bakeshop preparation skills and equipment, and advanced cooking principles. Students will gain experience in commercial food production and service operations, while preparing for further training at the postsecondary level. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.

Human Services - Cosmetology

Cosmetology I
#5983, Grade 10, 1 Credit
Cosmetology I 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.

Cosmetology II

#5986, Grade 10, 1 Credit, Prerequisite: Cosmetology I

Cosmetology II 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 124 cosmetology industry standards. Upon completion and acquisition of 300 hours, students are eligible to take the Tennessee Board of Cosmetology Shampoo examination for a Tennessee Shampoo Technician License.

Cosmetology III (Early Day)

#5984E, Grade 10, 2 Credits, Prerequisite: Cosmetology II

Cosmetology III is the advanced level of cosmetology, and it prepares students to perform work-related services using chemicals 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. Students completing this portion of the course of cosmetology will acquire the necessary hours to transfer to a post-secondary course of study to complete the hours needed to be eligible to take the Tennessee State Board of Cosmetology examination for the Tennessee Cosmetology License. Upon completion and acquisition of 300 hours, students are eligible to take the Tennessee State Board of Cosmetology Shampooing examination for a Shampoo Technician License.

Human Services – Dietetics & Nutrition

Introduction to Human Studies

#6137, Grade 9, 1 Credit

Introduction to Human Studies is a foundational course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. This course covers the history of counseling, career investigation, stress management, mental illness, communication, and the counseling process. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in the course are aligned with Tennessee State Standards for English Language & Literacy in Technical Subjects, as well as the Tennessee Psychology and Sociology standards, and the National Standards for Family and Consumer Sciences Education, Second Edition.

Nutrition Across the Lifespan

#6005, Grade 10, 1 Credit, Prerequisite: Introduction to Human Studies

Nutrition Across the Lifespan is for students interested in learning more about becoming a dietitian, nutritionist, counselor, or pursing a variety of scientific, health, or culinary arts professions. This course covers human anatomy and physiological systems, nutrition requirements, as well as social, cultural, and other impacts on food preparation and integrity. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, as well as Tennessee Biology I, Chemistry I, Human Anatomy & Physiology (A&P), Scientific Research, and World Geography and the National Standards for Family and Consumer Sciences Education, Second Edition.

Nutrition Science and Diet Therapy

#6007, Grade 11, 1 Credit, Prerequisite: Nutrition Across the Lifespan

Nutrition Science and Diet Therapy is an applied knowledge course in nutrition for students interested in the role of nutrition in health and disease. The course covers the development of a nutrition care plan as part of the overall health care process Methods for analyzing the nutritional health of a community are explored. Finally, the relationship of diet and nutrition to specific diseases will be researched, including the role of diet as a contributor to disease and its role in the prevention and treatment of disease. Artifacts will be created for

inclusion in a portfolio, which will continue to build throughout the program of study. Standards in this course align to the Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Mathematics, and Tennessee state standards for Biology I, Chemistry I, Human Anatomy & Physiology (A&P), and Scientific Research, as well as the National Standards for Family and Consumer Sciences Education, Second Edition.

Marketing Management

Introduction to Business and Marketing
#5905, Grades 9-10, .5 Credit
Introduction to Business and Marketing is an introductory course designed to give students an overview of the Business Management and Administration, Marketing, and Finance career clusters. The course helps students prepare for the growing complexities of the business world by examining basic principles of business, marketing, and finance in addition to exploring key aspects of leadership, ethical and social responsibilities, and careers. Students' academic skills in communications, mathematics, and economics are reinforced with activities modeled in the context of business topics. Upon completion of this course, proficient students will be equipped with the foundational skills to succeed in any of the Business, Marketing, or Finance programs of study and will be prepared to make an informed decision regarding which pathways they would like to pursue in high school. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee Economics standards.

Marketing and Management I: Principles (Honors)
#5931H, Grade 10, 1 Credit
Marketing and Management I: Principles focuses on the study of marketing concepts and their practical applications. Students will examine the risks and challenges that marketers face to establish a competitive edge in the sale of products and services. Topics covered include foundational marketing functions such as promotion, distribution, and selling, as well as coverage of economics fundamentals, international marketing, and career development. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee state standards in Economics. Honors courses will ensure that the "approved honors courses" substantially exceed the content standards, learning expectations, and performance indicators as approved by the State Board of Education.

Marketing & Management II: Advanced Strategies (Honors)
#5932H, Grade 11, 1 Credit, Prerequisite: Marketing and Management I
Marketing & Management II: Advanced Strategies is a study of marketing concepts and principles used in management. Students will examine the challenges, responsibilities, and risks managers face in today's workplace. Subject matter includes finance, business ownership, risk management, marketing information systems, purchasing, promotion, and human resource skills. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee state standards in Economics. Honors courses will ensure that the "approved honors courses" substantially exceed the content standards, learning expectations, and performance indicators as approved by the State Board of Education.

Retail Operations
#5938, Grades 11-12, 1 Credit, Prerequisite: Marketing & Management I
Retail Operations is designed to challenge students with the real world of supply chain management and merchandising services. The standards in this course are designed to prepare students with skills and knowledge related to buying, selling, human resource management, business operations, product

management, promotion, and customer service. Decision-making skills, financial management, customer relations, ethics and legal issues are also addressed. Upon completion of this applied knowledge course, proficient students will have skills essential for entering careers as retail associates at entry and mid-level management as well as be prepared to enter postsecondary programs in business and marketing. The content lends itself to both work-based learning and school-based enterprises opportunities.

Virtual Enterprises Honors
#5900H, Grades 11-12, 1-2 Credits, Prerequisites: Business Management or Marketing & Management I
Virtual Enterprises International (VE) is a simulated business environment. The VE students will be involved in actual on-the-job work experiences, including accounting, personnel administration, management, and marketing. The only difference between the VE and an actual business is that no material goods are produced or legal tender exchanged. However, services will be provided. Working teams, students will develop and enhance oral and written communication skills through initiative, responsibility, and creativity. Honors courses will ensure that the "approved honors courses" substantially exceed the content standards, learning expectations, and performance indicators as approved by the State Board of Education.

Advertising and Public Relations Honors
#5936H, Grade 12, 1 Credit, Prerequisite: Marketing & Management I: Principles
Advertising and Public Relations is an applied knowledge course focusing on the concepts and strategies associated with promoting products, services, ideas, and events. This course addresses skills essential to the creative side of the industry and explores consumer behavior patterns and motivations for buying. Upon completion of this course, proficient students will be able to demonstrate understanding in fundamental advertising and public relations concepts by creating an electronic portfolio of representative course projects.

Transportation, Distribution, & Logistics

Maintenance and Light Repair I (MLR I)
#5879, Grade 9, 1 Credit
The Maintenance and Light Repair I (MLR I) course prepares students for entry into Maintenance and Light Repair II. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the Maintenance and Light Report courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards.

Maintenance and Light Repair II (MLR II)
#5880, Grade 10, 1 Credit, Prerequisite: Maintenance and Light Repair I
The Maintenance and Light Repair II (MLR II) course prepares students for entry into Maintenance and Light Repair III. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the Maintenance and Light Report courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards.

Maintenance and Light Repair III (MLR III)

#5881, Grade 11, 1 Credit, Prerequisites: Maintenance and Light Repair I & II

The Maintenance and Light Repair III (MLR III) course prepares students for entry into Maintenance and Light Repair IV. Students study and service suspension and steering systems and brake systems. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the Maintenance and Light Report courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards.

Maintenance and Light Repair IV (MLR IV) (Early Day)

#5882E, Grade 12, 2 Credits, Prerequisites: Maintenance and Light Repair I, II, & III

The Maintenance and Light Repair IV (MLR IV) course prepares students for entry into the automotive workforce or into post-secondary training. Students study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, and practice workplace soft skills. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the Maintenance and Light Report courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards.

Work-Based Learning: Career Practicum

#6105, Grade 12, 1-2 Credits, Prerequisites: Application process and CTE Teacher approval required.
Work-Based Learning: Career Practicum is a capstone course intended to provide students with opportunities to apply the skills and knowledge learned in any previous CTE Programs of Study within a professional work environment. The course allows students to earn high school credit for select models of work-based learning, which allow students to interact with industry professionals in order to extend and deepen classroom work and support the development of postsecondary and career readiness knowledge and skills.
Note: Students should use their chosen elective focus and their high school program of study as the basis for their Career Practicum experience. Students should participate in an aligned CTE Program of Study and/or other related courses prior to enrolling in this course. WBL experiences must reflect the student's long term goals and interests and foster postsecondary and career preparation.

Students must meet the following criteria to be considered for the Work-Based Learning: Career Practicum and must meet the following rules to continue in the WBL program.

Screening:
To be selected, students must:

- Have a "C" average (2.0 GPA).
- Have a good citizenship record for the previous years.
- Have nine or less absences for the prior year unless approved by the instructor. (Three tardies will count as one absence.)
- Have two (2) teacher recommendations.
- Provide their own transportation.
- Must have passed End of Course exams.
- Approval of Teacher, Building Principal, and CTE Coordinator.

Students may be dropped from Work-Based Learning for:
1. Excessive absences.
2. Excessive tardies.
3. Failure in any other class while in the Work-Based Learning Program.
4. In-School Suspension

Students will be dropped from Work-Based Learning for:
1. Out of School Suspension
2. Loss of Employment.
3. Theft.
4. Not following the rules.