DECATUR CITY SCHOOLS

9th - 12th GRADE CURRICULUM GUIDE

2025/2026

The mission of Decatur City Schools is to promote academic excellence in a unique and rigorous learning environment that values and celebrates diversity to prepare students for success in a global society.

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ENGLISH LANGUAGE ARTS

Core Curriculum classes are designed for students working at grade level. Study of language skills in writing, speaking, and listening is sequenced to provide preparation for the student in either vocational or college preparatory programs. The sequence of literature studied and the language reading and writing skills corresponds to the requirements and recommendations of The Alabama Course of Study and College and Career Readiness Standards.

Honors English is offered in grades 9-10 for highly motivated students. The courses are designed for the student who has performed well above average in previous English courses, is motivated, has mastered basic skills, and is willing to handle a more challenging workload. The honors courses prepare students to take AP English and/or Dual Enrollment at the Junior and Senior levels.

Summer Reading Assignments: There will be required summer reading assignments in all English classes. This is not an option. The titles and assignments will be shared and discussed by individual teachers during the last six weeks of this school year. Students will be given the titles and assignments by their prospective teacher. These titles and assignments will also be located in the Guidance Office during the summer months, as well as the school's webpage.

ENGLISH, GRADE 9 (01001G1000)

Grade: 9 Credit: 1.0

FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language. **All writing submitted as a fulfillment of a requirement for an English course must be free of plagiarism.**

HONORS ENGLISH, GRADE 9 (01001E1000)

Grade: 9 Credit: 1.0

NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language. **All writing submitted as a fulfillment of a requirement for an English course must be free of plagiarism.**

ENGLISH, GRADE 10 (01002G1000)

Grade: 10 Credit: 1.0

NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language. **All writing must be free of plagiarism.**

HONORS ENGLISH, GRADE 10 (01002E1000)

Grade: 10 Credit: 1.0

NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language. **All writing must be free of plagiarism.**

*AP Seminar, GRADE 10 (22110E1000), @ DECATUR HIGH SCHOOL ONLY

Grade: 10 Credit: 1.0 Prerequisite: AP English Language and Composition and/or Instructor approval

NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED AP CAPSTONE PROGRAM. A STUDENT MAY EARN A TOTAL OF TWO FULL CREDITS FOR THIS COURSE, IF APPLICABLE. College-level foundational course following the curriculum established by the College Board Advanced Placement (AP) Program; provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media; facilitates the exploration of real-world issues through cross-curricular lens; considers multiple points of view to develop deep understanding of complex issues and topics as connections are made between issues and student's own lives.

ENGLISH, GRADE 11 (01003G1000)

Grade: 11 Credit: 1.0

NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language. **All writing must be free of plagiarism.**

*AP ENGLISH, LANGUAGE AND COMPOSITION (01005H1000)

Grade: 11 Credit: 1.0 Prerequisite: Honors English 10 and/or Instructor approval

NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in becoming skilled writers who compose for a variety of purposes; guides students in becoming skilled readers of prose written in a variety of rhetorical contexts; extensive writing of compositions **All writing must be free of plagiarism.**

ENGLISH, GRADE 12 (01004G1000)

Grade: 12 Credit: 1.0

NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. In Grade 12, students focus on the literature of the British Isles, which provides both a linguistic and cultural starting point that more fully contextualizes the eventual forming of the United States and informs a sophisticated understanding of the connections between American and British literature contrasted with the unique character of each. British literature in the twelfth grade should read, analyze, and evaluate a play by William Shakespeare, including an examination of its contributions to the English language and his influences on other works of literature. Students learn and practice active listening, read a variety of workplace and literary texts, learn and practice essential digital skills, utilize a process to create and modify written work, implement conventions of language and usage, and utilize context to decipher word meanings all through reading, listening, writing, and speaking. **All writing must be free of plagiarism.**

*AP ENGLISH, LITERATURE AND COMPOSITION (01006H1000)

Grade: 12 Credit: 1.0 Prerequisite: AP English Language and Composition and/or Instructor approval
NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in the careful reading and critical analysis of imaginative literature from several genres and periods from the sixteenth to the twenty-first century; extensive writing of compositions. **All writing must be free of plagiarism.**

DUAL ENROLLMENT ENGLISH COMPOSITION, ENG 101/102 (01999C1001 & 01999C1002)
Grade: 11, 12 Credit: 1.0
Tuition Cost: +/- $550 p/course. *Students must meet the minimum GPA or ACT requirements or take the placement test prior to enrollment
English Composition 101 provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage.
English Composition 102 provides instruction and practice in the writing of five (5) formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage.

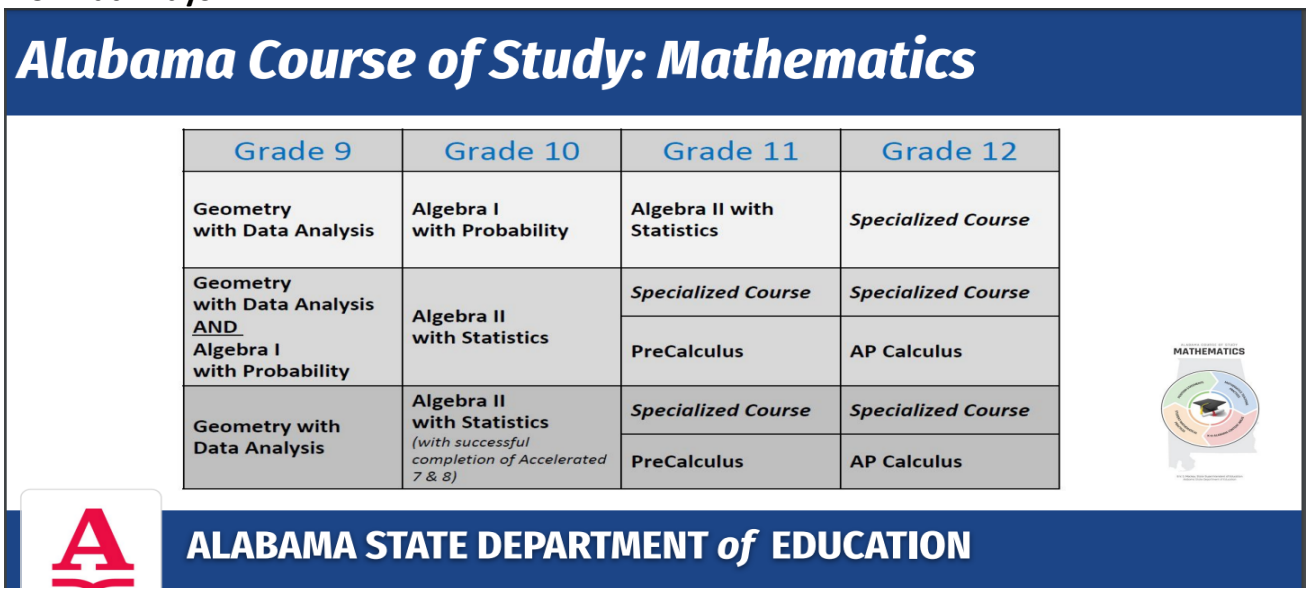
DUAL ENROLLMENT ENGLISH LITERATURE I & II, ENG 261/262 (01999C1005 & 01999C1006)
Grade: 11, 12 Credit: 1.0
Tuition Cost: +/- $550 p/course. *Students must meet the minimum GPA or ACT requirements or take the placement test prior to enrollment
English Literature I & II are a survey of English literature from the Anglo-Saxon period through the Romantic Age to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research.

MATHEMATICS

The new Mathematics Course of Study adopted by the Alabama Department of Education will begin with the incoming freshman class of 2022-2023. Students will be required to complete Geometry with Data Analysis within four total mathematics credits in order to graduate.

Students, parents, and teachers must carefully consider the appropriate course selection for the students to achieve academic success. Mathematics must be taken in sequential order so it is imperative that students and parents develop a four-year curriculum plan. Any student requesting a course other than that recommended by his teacher must have a completed parental waiver on file in the guidance office. The parents of any junior requesting a course other than that recommended must meet with the teacher to discuss curriculum options and to sign the waiver. It is our hope to help our students succeed academically and to take responsibility in planning for their futures.

Common Pathways:



NOTE: These common pathways do not reflect all possible pathways. Please see your counselor for further explanation of other pathway options.

GEOMETRY WITH DATA ANALYSIS (02073G1000)
Grade: 9 Credit: 1.0
Students build on and deepen prior understanding of transformations, congruence, similarity, and coordinate geometry concepts with an emphasis on formal and informal proofs and justification. Students will develop algebraic calculations with specific applications to geometry. Students will also focus on data analysis and creating linear models to focus on univariate and bivariate quantitative data on the real number line and the

coordinate plane. A focus on mathematical modeling and real-world statistical problem-solving is included across the course, with an emphasis on the inclusion of technology, such as graphing calculators. **This course is required for graduation.**

HONORS GEOMETRY WITH DATA ANALYSIS (02073E1000)

Grade: 9 Credit: 1.0 Prerequisite: Honors/Advanced 7th & 8th grade mathematics

Students build on and deepen prior understanding of transformations, congruence, similarity, and coordinate geometry concepts with an emphasis on formal and informal proofs and justification. Students will develop algebraic calculations with specific applications to geometry. Students will also focus on data analysis and creating linear models to focus on univariate and bivariate quantitative data on the real number line and the coordinate plane. A focus on mathematical modeling and real-world statistical problem-solving is included across the course, with an emphasis on the inclusion of technology, such as graphing calculators. **This course is required for graduation.**

ALGEBRA I WITH PROBABILITY (02052G1000)

Grade: 10 Credit: 1.0 Prerequisite: *Geometry with Data Analysis

This course builds upon algebraic concepts studied in the middle grades and is only designed for students who did not take both Advanced 7th and Advanced 8th grade math. It may be taken concurrently with Geometry with Data Analysis. Students will study absolute value, quadratic, exponential and linear functions as well as explicit and recursive functions. Properties of algebra are applied to convert between forms of expression and to solve equations (factoring, completing the square, rules of powers, and radicals). Graphing and solving systems of equations is also emphasized. Students will calculate basic and conditional probabilities and use those calculations to make informed decisions. **This course satisfies one of the requirements for graduation and is required if Algebra 1 was not taken previously. *It may be taken concurrently with Geometry with Data Analysis for incoming 9th graders who want to be placed on an advanced pathway: Teacher approval required.**

ALGEBRA II WITH STATISTICS (02056G1000)

Grade: 11 Credit: 1.0 Prerequisite: Algebra I

This course focuses on inferential statistics, which allows students to draw conclusions about populations and cause-and-effect based on random samples and controlled experiments. Students will study an expanded range of functions including polynomial, trigonometric (sine, cosine, the unit circle, and the Laws of Sine and Cosine), logarithmic, reciprocal, radical and general piecewise. They will solve equations associated with these functions and be introduced to the study of matrices. **This course is required for graduation.**

HONORS ALGEBRA II WITH STATISTICS (02056E1000)

Grade: 10, 11 Credit: 1.0 Prerequisite: Honors Geometry & Algebra I or Honors Geometry & 8th Grade Honors Math

This course focuses on inferential statistics, which allows students to draw conclusions about populations and cause-and-effect based on random samples and controlled experiments. Students will study an expanded range of functions including polynomial, trigonometric (sine, cosine, the unit circle, and the Laws of Sine and Cosine), logarithmic, reciprocal, radical and general piecewise. They will solve equations associated with these functions and be introduced to the study of matrices. This course is required for graduation. This course covers the same content as Algebra II with Statistics but is taught at a faster pace and higher level of rigor, designed to prepare advanced math students for Precalculus and beyond. **This course is required for graduation.**

MATHEMATICAL MODELING (02137G1000):

Grades: 11, 12 Credit: 1.0 Prerequisite: Algebra II with Statistics

Students explore decision-making for financial planning and management, design in three dimensions, interpreting statistical studies, and creating functions to model change in the environment and society. Measurements are taken from the real world, and technology is used extensively for computation, with an emphasis on students' interpretation and explanation of results in context. This course focuses on mathematical modeling and real-world statistical problem-solving and is appropriate for students who are entering fields involving quantitative reasoning where higher levels of statistics are required, whether or not they require calculus. This course satisfies one of the requirements for graduation.

APPLICATIONS OF FINITE MATH (02136G1000)

Grades: 11, 12 Credit: 1.0 Prerequisite: Algebra II with Statistics

Students who are interested in postsecondary programs of study that do not require calculus (such as elementary education, English, are, history, music and technical and trade certifications) would benefit from choosing this course as their fourth high school mathematics credit. It may also be a useful supplemental course for students pursuing a career in computer science. The wide range of topics include logic, counting methods, information processing, graph theory, election theory, and fair division, with an emphasis on relevance to real-world problems. This course satisfies one of the requirements for graduation.

CAREER MATH (02153G1001)

Grade: 12 Credit: 1.0 Prerequisite: Algebra II with Statistics

A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematical concepts in a career setting. Emphasis is placed on applied problems in the areas of algebra, geometry, measurement, and probability and statistics. This course is designed to be taught by mathematics teachers or career and technical teachers. **Career Mathematics satisfies the fourth math required for graduation.**

PRECALCULUS (02110G1000)

Grade: 11, 12 Credit: 1.0 Prerequisite: Algebra II with Statistics

This course is considered a prerequisite for success in calculus and college mathematics. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Precalculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions. Application-based problem solving is an integral part of the course. Instruction will include appropriate

use of technology to facilitate continued development of students' higher-order thinking skills. NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION.

ALGEBRA WITH FINANCE

Grade(s): 11, 12 Credit: 1.0

Algebra with Finance integrates foundational algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. The course includes real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting, and planning for retirement in order to equip students with the skills necessary for employment and independent living.

EXPLORING COMPUTER SCIENCE (10012G1001)

Grade(s): 11, 12 Credit: 1.0

Exploring Computer Science (ECS) is a yearlong, introductory high school course designed to engage students in computational thinking and practice. A major aim of ECS is attracting students who might not think of themselves as "typical" candidates for computer science. ECS provides a comprehensive set of inquiry-based lessons while using a variety of tools and platforms. Students will engage in several in-depth projects to demonstrate the real-world applications of computing. The course has the following units: human computer interaction, problem solving, web design, programming, computing and data analysis, and robotics. Each unit connects students' informal knowledge, technology skills, and beliefs about computing to the theoretical and foundational tenets of computer science. Students will become members of a "computing community of practice" in the classroom where they will be introduced to the behavior, language, and skills of computer scientists. **This course may satisfy 3rd or 4th science credit or 4th math credit.**

PROGRAMMING FOUNDATIONS (10152G1001

Grade(s) 10, 11, 12 Credit: 1.0

Programming Foundations focuses on the fundamentals of computer programming with an emphasis on computational thinking and problem-solving. Students will create authentic artifacts and engage with programming as a medium for creativity, communication, problem-solving, and fun. Students will be expecting to develop logical thinking skills that pertain to programming. This course extends the standards of the *Alabama Course of Study: Digital Literacy and Computer Science*. **This course may satisfy 3rd or 4th science credit or math credit.**

***AP COMPUTER SCIENCE PRINCIPLES (10019E1000)**

Grade: 11, 12 Credit: 1.0

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Students taking the course should be strong math students. This course may satisfy 3rd or 4th science credit or 4th math credit.

***AP COMPUTER SCIENCE A (10157E1000)**

Grade: 11, 12 Credit:1.0

The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. This course may satisfy 3rd or 4th science credit or 4th math credit.

***AP PRECALCULUS (02110E1001)**

Grade: 11, 12 Credit: 1.0

AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college-level mathematics courses. This course explores polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, and linear transformation functions and their applications. Throughout the course, the mathematical practices of procedural and symbolic fluency, multiple representations, and communication and reasoning are developed. Students experience the concepts and skills related to each function type through the lenses of modeling and covariation, and engage each function type through their analytical, verbal, numerical, and graphical representations.

***AP CALCULUS A/B (02124E1000)**

Grade: 11, 12 Credit: 1.0

College-level advanced math course approved by the College Board Advanced Placement (AP) program for calculus; functions, graphs, and limits; derivatives; integrals; polynomial approximations and series. Use of technology is an integral part of this course; therefore, a graphing calculator is required. NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION.

***AP STATISTICS (02203E1000)**

Grade: 11, 12 Credit: 1.0 Prerequisite: Algebra II with Statistics

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. This Advanced Placement course is accelerated in rigor and pace. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four conceptual themes: observing patterns by exploring data, deciding what and how to measure in planning study, producing models using probability theory and simulation, and making statistical inferences from models. Students should expect an intensive course requiring the use of a graphing calculator. There will be applications of concepts through written work.

DUAL ENROLLMENT PRE-CALCULUS-ALGEBRA & TRIG, MTH 112/113 (02999C1002 & 02999C1003)

Grade: 11, 12 Credit: 1.0 **Tuition Cost: +/- $550 p/course.**

Prerequisite: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score. This course is taught as a DUAL ENROLLMENT course with Calhoun Community College or UNA on campus. Cost is approximately $550.00.

MA 110, FINITE MATHEMATICS *(course may be available on-line only)*

This course is intended to give an overview of topics in finite mathematics together with their applications and is taken primarily by students who are not majoring in science, engineering, commerce, or mathematics (i.e., students who are not required to take calculus). The course includes sets, counting, permutations, combinations, basic probability (including Bayes' Theorem), an introduction to statistics including work with normal distribution, matrices and their applications to Markov chains and decision theory. Additional topics may include binomial distribution, symbolic logic, linear models, linear programming, the simplex method and applications.

MA 112, PRE-CALCULUS ALGEBRA

This course emphasizes the algebra of functions – including polynomial, rational, exponential, and logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's rule, and mathematical induction.

MA 113, PRE-CALCULUS TRIGONOMETRY

This course is a continuation of Pre-Calculus Algebra. It includes the study of trigonometric and inverse trigonometric functions and includes extensive work with trigonometric identities and trigonometric equations. The course also covers vectors, complex numbers, DeMoivre's Theorem, and polar coordinates. Additional topics may include conic sections, sequences, and using matrices to solve linear systems.

MA 115, PRE-CALCULUS ALGEBRA AND TRIGONOMETRY(*Course may be available on-line only)*

This course is a one-semester combination of Pre-Calculus Algebra and Pre-Calculus Trigonometry intended for superior students.

DUAL ENROLLMENT CALCULUS I, MTH 125 (02999C1005)

Grade: 12 Credit: 1.0 **Tuition Cost: +/- $550 p/course.**

Prerequisite: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score. This course is taught as a DUAL ENROLLMENT course with Calhoun Community College or UNA on campus. Cost is approximately $550.00. Course topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral and its basic applications to area problems.

SCIENCE

All students are required to complete Biology, Physical Science **OR** Chemistry, and two additional Science courses to meet graduation requirements for a total of at least four credit hours.

BIOLOGY (03051G1000)

Grade: 9 Credit: 1.0

NOTE: FULFILLS THE "BIOLOGY" GRADUATION REQUIREMENT. Content standards within this course are organized into 4 core ideas: Molecules to Organisms, Ecosystems (Interactions, Energy, and Dynamics) Heredity (Inheritance, and Variations of Traits), and Unity/Diversity. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations.

HONORS BIOLOGY (03051E1000)

Grade: 9 Credit: 1.0

NOTE: FULFILLS THE BIOLOGY GRADUATION REQUIREMENT. Covers advanced work in the Biology Core content standards; scientific process and application skills; cell processes; cell theory; photosynthesis and cellular respiration; genetics; classification; plants; animals; ecology; biogeochemical cycles. Course requirements may include, but may not be limited to, performing and presenting an integrated science project(s), writing research papers, and performing community service projects related to course topics. This course is in preparation for Advanced Placement (AP) science.

PHYSICAL SCIENCE (03159G1000)

Grade: 10 Credit: 1.0 Prerequisite: Biology

NOTE: FULFILLS THE "A PHYSICAL SCIENCE" GRADUATION REQUIREMENT; is a core science course designed as an inquiry-based introduction to the basic concepts and skills of chemistry and physics. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. When taken at the high-school level, Physical Science fulfills the physical science core for either diploma.

HONORS CHEMISTRY (03101G1000)

Grade: 10, 11, 12 Credit: 1.0 Prerequisite: Completion of Biology

FULFILLS THE "A PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Covers Chemistry Core content standards; scientific process and application skills; matter classification; carbon chains; periodic table; solutions; kinetic theory; stoichiometry; ideal gases; physical and chemical changes; chemical and nuclear reactions. This course will involve higher order thinking, student centered learning, and inquiry-based labs as outlined by the state curriculum. A personal scientific calculator is needed to take this course. "This course satisfies all requirements for an Advanced Academic Endorsement Diploma and National Junior Honor Society. In addition, this course is weighted."

HUMAN ANATOMY AND PHYSIOLOGY (03053G1000)

Grade: 11, 12 Credit: 1.0 Prerequisite: Completion of Biology and Honors Chemistry or Physical Science

An elective biological science with content related to the structure and function of the components of the human body. Studies include, but may not be limited to, structure and function of cells, tissues, and organs; organization of the human body; biochemistry; skeletal, muscular, nervous, endocrine, digestive, respiratory, cardiovascular, integumentary, immune, urinary, and reproductive systems. Students will be required to perform

laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. This course includes required dissections.

***AP BIOLOGY (03056E1000)**
Grade: 11, 12 Credit: 1.0 Prerequisite: One year of Biology and Honors Chemistry
College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for biology; Scientific process and application skills; molecules; cells; heredity; evolution; organisms; populations. Also included are an overview of viruses, prokaryotes and protists, basic principles of ecology, plus a survey of plant and animal diversity including their classifications, morphology, physiology and reproduction.

***AP CHEMISTRY (03106E1000)**
Grade: 11, 12 Credit: 1.0 Prerequisite: Completion of Honors Chemistry
College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for chemistry; atomic theory and structure; chemical bonding; nuclear chemistry; gases; liquids and solids; solutions; reaction types; stoichiometry; equilibrium; kinetics; thermodynamics. All AP chemistry students are required to take the first semester exam.

***AP ENVIRONMENTAL SCIENCE (03207E1000)**
Grade: 11, 12 Credit: 1.0 Prerequisite: Completion of Honors Chemistry
The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

***AP PHYSICS 1 (03165E1000)**
Grade: 11, 12 Credit: 1.0 Prerequisite: Completion of Biology, Honors Chemistry, and Algebra I
AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

***AP PHYSICS 2 (03166E1000)**
Grade: 11, 12 Credit: 1.0 Prerequisite: AP Physics I
AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics.

***AP PHYSICS C: Mechanics (03164E1000) - AUSTIN HIGH SCHOOL ONLY**
Grade: 11, 12 Credit: 1.0 Prerequisite: Pre-Calculus/Advanced Math
College-level advanced physics course following the curriculum established by the College Board Advanced Placement (AP) Program for physics; this course should provide instruction in Newton's laws of motion; work, energy and power, systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. It is strongly recommended for students who intend to major in engineering or related fields. **This class must be taken first in the AP Physics C series, and is a prerequisite for Electricity and Magnetism.**

EARTH AND SPACE SCIENCE (03008G1000)
Grade: 11, 12 Credit: 1.0 Prerequisite: Biology and Physical Science
NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Earth and Space science is an elective science course that focuses on a comprehensive application of all disciplines of science, based on our ever-changing planet and the integration of systems that constantly evolve. Content standards within this course are organized according to 2 core ideas: Earth's Place in the Universe and Earth's systems. Integrated within the disciplinary core ideas of this course are the Engineering, Technology and Applications of Science core ideas.

FIELD STUDIES (03999G1000)
Grade: 11, 12 Credit: 1.0
Prerequisite: Biology and an evaluation with a Science instructor recommendation. Students must also have a Driver's License.
This course combines a select group of students from both Decatur and Austin high schools to embark on a unique learning experience at Wetlands Edge Environmental Center (WEEC). Much of the course will be conducted in the field where activities include bioassessment of streams, wading water using nets and seines and more. Emphasis of the course will be on aquatic ecosystems but will include a variety of class and field experiences. Much of the course will be conducted in the field where activities include bioassessment of streams, wading water using nets and seines, handling organisms, specimen collecting, water testing, hiking, orienteering, wildlife inventory, and generally getting wet and dirty. Emphasis of the course will be on aquatic ecosystems but will include a variety of class and field experiences in other areas such as ichthyology, herpetology, and ornithology. Students will also need to have an appreciation for animals as they will be involved in the life support and husbandry of the many organisms displayed in the center. Class will require a strong commitment from students as it can only be taught in the 4th block and must extend beyond the regular school day (flexibility with your employer if you work). Number will be limited due to the nature of the class. Students will drive or carpool to the WEEC site or other study sites daily for class.

HUMAN BODY STRUCTURES AND FUNCTIONS (14299G1001)
Grade: 10, 11, 12 Credit: 1.0 Prerequisite: Foundations of Health Science & Medical Terminology
A one-credit course designed to help students learn care content that emphasizes the structure and functions of cells, tissues, organs, organization of the human body systems, and medical terminology. Scientific processes, problem-based learning and critical thinking are integral parts of the course. This course is equal to a science credit for 11th or 12th grade year. "This course satisfies all requirements for an Advanced Academic Endorsement Diploma and National Junior Honor Society. In addition, this course is weighted." **Course is held at the Career Academies of Decatur.**

MARINE SCIENCE (BIOLOGY) (03005G1000)
Grade: 11, 12 Credit: 1.0 Prerequisite: Biology and Physical Science
Scientific process and application skills. Designed to introduce the concepts of freshwater and marine biology. Students will learn about the physical characteristics such as salinity, pressure, and currents of the ocean as well as marine habitats—coral reefs, open ocean, estuaries, beach life, and deep ocean. An emphasis will be on key ocean animals such as sharks, whales, dolphins, sea lions, and penguins.

EXPLORING COMPUTER SCIENCE (10012G1001)
Grade(s): 11, 12 Credit: 1.0
Exploring Computer Science (ECS) is a yearlong, introductory high school course designed to engage students in computational thinking and practice. ECS provides a comprehensive set of inquiry-based lessons while using a variety of tools and platforms. Students will engage in several in-depth projects to demonstrate the real-world applications of computing. The course has the following units: human computer interaction, problem solving, web design, programming, computing and data analysis, and robotics. Each unit connects students' informal knowledge, technology skills, and beliefs about computing to the theoretical and foundational tenets of computer science. Students will become members of a "computing community of practice" in the classroom where they will be introduced to the behavior, language, and skills of computer scientists. **This course may satisfy 3rd or 4th science credit or 4th math credit.**

PROGRAMMING FOUNDATIONS (10152G1001
Grade(s) 10, 11, 12 Credit: 1.0
Programming Foundations focuses on the fundamentals of computer programming with an emphasis on computational thinking and problem-solving. Students will create authentic artifacts and engage with programming as a medium for creativity, communication, problem-solving, and fun. Students will be expecting to develop logical thinking skills that pertain to programming. This course extends the standards of the *Alabama Course of Study: Digital Literacy and Computer Science*. **This course may satisfy 3rd or 4th science credit or math credit.**

***AP COMPUTER SCIENCE PRINCIPLES (10019E1000)**
Grade: 11, 12 Credit: 1.0
College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Students taking the course should be strong math students. This course may satisfy 3rd or 4th science credit or 4th math credit.

***AP COMPUTER SCIENCE A (10157E1000)**
Grade: 11, 12 Credit: 1.0
The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. This is considered to be a first course in computer science. This course may satisfy 3rd or 4th science credit or 4th math credit.

SOCIAL STUDIES

All students must complete World History, two years of United States History, Government, and Economics to meet graduation requirements for a total of at least 4 credit hours.

WORLD HISTORY: 1500 TO PRESENT (04053G1000)
Grade: 9 Credit: 1.0
Chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present. This course continues the study of world history from 1500 to the present. Critical thinking and analysis are important in this course. The course directs students to think critically about the forces that combine to shape the world today. Students will analyze development and changes in the European, Asian, African and American civilizations and the ways in which the interactions of these cultures have influenced the formation of today's world. Geographic concepts increase learners' comprehension of global connections as they expand their knowledge and understanding of a wide variety of cultures, both historical and contemporary. Knowledge and understanding gained during the previous year's study provide the foundation for the critical analysis required in this course. This is a required social studies course for students in Alabama schools.

HONORS WORLD HISTORY: 1500 TO PRESENT (04053E1000)
Grade: 9 Credit: 1.0
Advanced work in the chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of Global War; the Cold War era; the world from 1500 to present. This course will follow the same course of study as that of grade level and honors World History. However, it will go into greater depth and detail in an attempt to find the connecting patterns in historical study. It will stress

development of historical reading comprehension skills and strategies, critical thinking, writing, listening, note-taking, and test-taking skills. The course will also include analysis of primary historical documents and an introduction to electronic scholarly research. The course is highly recommended for those students preparing for AP U.S. History.

***AP WORLD HISTORY: 1200 TO PRESENT (04057E1000)**

Grade: 9 Credit: 1.0 Prerequisite: Advanced 8th World History or Administrator Approval

Advanced work in the chronological history of the world: the global tapestry; networks of exchange; land-based empires; Trans-Oceanic interconnections; the Age of Revolutions; Consequences of Industrialization; Global Conflicts; Cold War and Decolonization; and Globalization; the world from 1200 to present. This course will follow a similar course of study as that of grade level and honors World History. However, it will begin 300 years earlier, go into greater depth and detail in an attempt to find the connecting patterns in historical study. It will stress development of historical reading comprehension skills and strategies, critical thinking, writing, listening, note-taking, and test taking skills. The course will also include analysis of primary historical documents and an introduction to electronic scholarly research. The course is highly recommended for those students preparing for AP U.S. History in 10th grade.

UNITED STATES HISTORY TO 1877 (04102G1000)

Grade: 10 Credit: 1.0 Prerequisite: Sophomore Status

Chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; concepts related to Alabama history and geography. The U.S. History to 1877 is a comprehensive two-year sequence beginning in the 10th grade with beginnings to 1877 and 1877 to present. Students will begin with the earliest discoveries on the North American continent and follow a chronological study of the major events, issues, movements, leaders and groups of people of the United States through the Reconstruction period from a national and Alabama perspective. This course will build upon the foundation of knowledge gained in the 5th and 6th grades as well as the 8th and 9th grades in World History. This course will follow the state course of study and emphasize the competencies needed to pass the Social Studies section of the graduation exam.

HONORS UNITED STATES HISTORY 10 (04102E1000)

Grade: 10 Credit: 1.0 Prerequisite: Honors or AP World History

This course is a survey course in American history and is designed to provide students with a solid foundation for understanding and analyzing the history of the United States from colonization through Industrialization. This course is rigorous and is intended to prepare students for AP US History and the AP Exam. This course requires students to develop skills in note-taking, organization, logic, analysis, synthesis, evaluation, critical thinking, reading and writing. Students will complete advanced work in the chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; concepts related to Alabama. This course is an above grade-level class equivalent to an introductory college course in early United States history through Reconstruction. Students will analyze the political, social, economic, literary and cultural history of the United States. Students will learn to interpret and apply data from original documents, compare and contrast change over time, and be able to support or refute an argument or position. Students in this class are on track to take AP US History. A considerable amount of self-directed study will be required of students who expect to do well on the AP exam.

UNITED STATES HISTORY FROM 1877 TO PRESENT (04103G1000)

Grade: 11 Credit: 1.0

Chronological survey of major events and issues: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States, concepts related to Alabama history and geography. This course continues the study of United States History from the tenth grade and follows the current course standards. It studies the economic, geographic, social, and political development of the United States after the Reconstruction era. This course is built upon the previous knowledge foundation obtained in the tenth-grade course. It will show how America grew into an international power after Reconstruction. This course is a critical analysis of the United State decision and actions on major domestic issues as well as international affairs.

***AP UNITED STATES HISTORY FROM 1491 TO PRESENT (04104E1000)**

Grade: 10, 11 Credit: 1.0 Prerequisite: Honors 10 US History or AP World History if taking it in 10th Grade

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. This is an above grade-level class equivalent to an introductory college course in United States history.

DUAL ENROLLMENT UNITED STATES HISTORY, HIS 201/202 (04999C1009/04999C1010)

Grade: 10, 11 Credit: 1.0 Tuition Cost: +/- $550 p/course.

US History 201 surveys United States history during colonial, Revolutionary, early national, and antebellum periods. It concludes with the Civil War. US History 202 is a continuation of US History 201. It surveys United States history from the Reconstruction era to the present.

ECONOMICS (04201G0500)

Grade: 12 Credit: .50

A one-semester course required of all seniors paired with the US Government includes the basic concept of how our economic system works as compared to other systems, what the unique qualities of the free enterprise system are, and how the individual operates within the system. The

study emphasizes the cause and effect of economic actions, consumer planning and participation, consumer problems, and world activities. The course incorporates a study of comparative economics, economic theory, and consumer economics; therefore, a broad conceptual approach is mandated. Also incorporated are basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve bank. The study of man's efforts to satisfy his unlimited wants through the use of his scarce and limited resources. **This is a ½ credit course.**

UNITED STATES GOVERNMENT (04151G0500)

Grade: 12 Credit: .50

A one-semester course required of all seniors and is paired with Economics. Government is a study of the origins, development, and principles of the United States political system. It includes comparisons of democracy and other political systems while emphasizing the basic civil rights inherent to the American political system. The course also includes a review of the foundations of American government from the point of view of the practical day-to-day workings of the government, political parties, and a detailed study of the legislative, executive, and judicial branches of government. Also incorporated are origins, functions, and branches of the U.S. government; representative democracy; federalism; political/civic life; analysis of the Constitution, Bill of Rights, and other relevant documents; foreign policy. **This is a ½ credit course**

*AP UNITED STATES GOVERNMENT AND POLITICS (04157E1000)

Grade: 11, 12 Credit: 1.0 Prerequisite: Approval of the Advanced Placement Teacher

A year long, College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for U. S. government and politics. A two-semester course designed to provide the student with a learning experience obtained in most college introductory American government and politics courses. The course is designed to give students a critical perspective on government and politics in the United States through application of topics and concepts learned in class to current events. The course involves the study of general concepts used to interpret American politics and the analysis of scientific case studies, interpretation of acclaimed readings on American government and politics, and thorough analysis of political current events. It also requires familiarity with the various institutions, groups, practices, beliefs and ideas that make up the American political reality. Topics to be explored are the Constitutional underpinnings of American government, American political beliefs and behaviors, linkage institutions, policy-making institutions, different types of policy, civil liberties, and civil rights. The course is taught on the freshman college level and is designed to prepare students for the AP exam in the spring.

*AP MACROECONOMICS (04202E1000) - DECATUR HIGH SCHOOL ONLY

Grade: 11, 12 Credit: 1.0

Year long, College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for macroeconomics; basic economic concepts; measurement of economic performance; national income and price determination; financial sector; inflation, unemployment, and stabilization policies; economic growth and productivity; open economy; international trade and finance. A one-semester course for which college credit may be earned. The content will help students develop critical thinking skills through the understanding, application, and analysis of fundamental economic concepts. In this course, students will learn to apply quantitative and mathematical skills to the discipline of Economics. The course teaches the students to test economic propositions empirically, improve their decision-making skills, and apply economic logic to a wide variety of real and hypothetical situations. The course is taught on the freshman college level and is designed to prepare the students for the advanced placement exam in the spring.

FOREIGN LANGUAGES

TWO SEQUENTIAL FOREIGN LANGUAGE COURSES REQUIRED FOR NATIONAL HONOR SOCIETY AND ADVANCED ACADEMIC ENDORSEMENT WITH HONORS DIPLOMA.

FRENCH 1 (24102G1000)

Grade: 9, 10, 11, 12 Credit: 1.0

Students study basic grammar, common expressions, vocabulary, and sentence structure. Comprehension and proper pronunciation are emphasized. Each lesson includes oral drills, written practice, reading, and listening exercises. Oral presentations and tests will be assigned. French culture and geography are also explored. It is recommended that students maintain a "C" or above average in previous English/Language Art courses.

FRENCH 2 (24103G1000)

Grade: 10, 11, 12 Credit: 1.0 Prerequisite: French 1

Students focus on listening, speaking, reading, and writing skills in greater depth. A major emphasis is the oral use of the language in everyday situations. Oral presentations and tests will be assigned. Reading skills are expanded through the use of short stories, and dialogues. Students will also be required to write paragraphs in the target language. It is recommended that students complete French 1 with at least a "C" average.

FRENCH 3 (24104G1000)

Grade: 10, 11, 12 Credit: 1.0 Prerequisite: French 2

Students continue to build communicative skills, review grammar, read and write creatively, and gain more insight into French culture, including art and history. Intermediate-level conversation will be an important component of the class, as well as readings from Francophone literature and a French current events magazine. Oral presentations and tests will be assigned. Students will be required to write short compositions in the target language. Little English will be spoken in the class. It is recommended that students complete French 2 with at least a "C" average.

FRENCH 4 (24105G1000)

Grade: 11, 12 Credit: 1.0 Prerequisite: French 3

Students will review all French grammar encountered in the first three years of study. Students will become highly proficient. Students will improve their communicative competence through the study of French history, art, literature, and culture. Students will be required to write compositions and discuss readings in the target language. Little English will be spoken in class. Oral presentations and tests will be assigned. It is

recommended that students complete French 3 with at least a "C" average.

SPANISH 1 (24052G1000)
Grade: 8, 9, 10, 11, 12 Credit:1.0
Students will be introduced to the Spanish language and the cultures of Spanish-speaking nations. Basic skills are stressed in the areas of listening, speaking, reading, and writing in Spanish. The acquisition of vocabulary is especially emphasized. Students will be expected to speak Spanish and to participate in activities with other students. Oral presentations and written exercises are required.

SPANISH 2 (24053G1000)
Grade: 9,10,11,12 Credit: 1.0 Prerequisite: Spanish 1
Students will build upon the vocabulary and basic grammar taught in Spanish 1 to become more proficient. Students will become more adept at creating with language through speaking, listening, reading, and writing activities with comprehension. Students will further their understanding of Spanish-speaking cultures.

SPANISH 3 (24054G1000)
Grade: 10,11,12 Credit: 1.0 Prerequisite: Spanish 2
Students will continue to build communicative skills, review grammar, read and write creatively, and gain more insight into Spanish cultures and civilizations. Students will further their listening and speaking skills, including understanding and responding to factual and interpretive questions, paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts.

SPANISH 4 (24055G1000)
Grade: 11,12 Credit: 1.0 Prerequisite: Spanish 3
Students will continue honing skills of listening and speaking, including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; creating compositions. Emphasis is on communication in the target language through the use of the four skills of reading, writing, listening, and speaking. Culture and language will be studied extensively through authentic texts.

***AP SPANISH (24064E1000) - AUSTIN HIGH SCHOOL ONLY**
Grade: 11,12 Credit: 1.0 Prerequisite: Spanish 3 or 4, or Instructor approval
College level advanced language course following the curriculum established by the College Board Advanced Placement (AP) program for Spanish. This course work is conducted primarily in Spanish. Content includes extensive reading of Spanish literature in Spanish, in depth study of Spanish and Hispanic culture and history, as well as composition of essays in Spanish. The student will exhibit skill levels of reading, writing, listening, and speaking consistent with those in sophomore level college classes by the completion of this course.

ARMY JROTC

The mission of JROTC is to "Motivate young people to be better citizens." JROTC is a progressive development program that teaches citizenship and provides high school students the opportunity to learn and practice leadership. The curriculum is designed to help high school cadets to develop the following core capabilities: Build capacity for lifelong learning, communication skills, personal responsibility, citizenship, teamwork, leadership, fitness, and critical reasoning & decision-making. To gain maximum benefit, cadets are encouraged to enroll their freshman year and remain in the program through their senior year. The JROTC program is flexible to accommodate new students to enroll at any time.

ARMY JROTC LEADERSHIP EDUCATION AND TRAINING (LET I) (09051G1001)
Grade: 8, 9 Credit: 1.0 (8th AJHS ONLY)
A one-credit course designed for first-year cadets. The class is both classroom and laboratory instruction about the history, customs, traditions and purpose of Army JROTC. Emphasis is placed on basic leadership principles, values, teamwork, and personal responsibility.

ARMY JROTC LEADERSHIP EDUCATION AND TRAINING (LET II) (09052G1001)
Grade: 9, 10 Credit: 1.0 Prerequisite: 1st year, JROTC Leadership Education & Training (LET 1)
A one-credit course designed to build on LET 1 first year JROTC classes. The course provides cadets intermediate instruction on leadership theories, methods and practical application in the classroom and during labs and JROTC unit activities outside the classroom. Emphasis is placed on communication techniques, citizenship, fitness and map reading/orienteering skills.

ARMY JROTC LEADERSHIP EDUCATION AND TRAINING (LET III) (09053G1001)
Grade: 11 Credit: 1.0 Prerequisite: 1st & 2nd Years, JROTC Leadership Education & Training LET ½
A one-credit course designed to provide advanced instruction in leadership, communication, and problem-solving. Students will have hands-on experiences as leaders in the unit and assist in the integration, training and team building of (LET 1 and LET 2) less experienced cadets. Emphasis is placed on negotiation skills, communication, fitness and management principles.

ARMY JROTC LEADERSHIP EDUCATION AND TRAINING (LET IV) (09054G1001)
Grade: 12 Credit: 1.0 Prerequisite: 1st, 2nd and 3rd Years, JROTC Leadership Education & Training LET 1/2
A one-credit course provides leadership opportunities for students to develop as leaders in assigned command, staff and project leadership positions. Students are assigned leadership positions within the JROTC unit organization and fulfill responsibilities for planning according to their position, assigned projects and specialty teams that they choose to join. Emphasis is placed on improving communication techniques, planning and executing training, decision making and life skills after high school.

ARMY JROTC SPECIALTY TEAMS (09990G1005)
Grade: 9 - 12 Credit: 1.0 Prerequisite: Approval from instructor

FINE ARTS

VISUAL ARTS

INTRODUCTION TO VISUAL ARTS (05154G1001)

GRADES: 9, 10, 11, 12 CREDIT: 1.0

Create; produce; elements and principles of design; two-and three- dimensional techniques and media; art history; art vocabulary; aesthetics; criticism; solution of art problems to communicate ideas; safety issues with handling and storage of materials. This course is a study of the basic fundamentals of art and is a prerequisite for advanced art courses. It provides students with an overview introduction to media and to various techniques in the areas of drawing, painting, sculpture, ceramics, printmaking, crafts, art history, and critique. This course is offered to all students.

PAINTING I (05999C1010)

GRADES: 9, 10, 11, 12 CREDIT: 1.0

For everyone who wants to learn artistic painting! This is a one-credit course where you will learn two-dimensional design; problem-solving using a variety of painting media and techniques; elements and principles of design; aesthetics; criticism and art history; evaluation of artwork. Drawing required.

VISUAL ART II/PAINTING II (05157G1002)

Grade: 10, 11, 12 Credit: 1.0 Prerequisite: Introduction to Visual Art

Create; visual relationships; problem solve using a variety of media and techniques; elements and principles of design; aesthetics; criticism; art history; art vocabulary; evaluation of artwork; interdisciplinary connections. Visual Arts II is a review of various art media, techniques, skills, and art appreciation. Emphasis is on observational drawing skills and the creative process. Students will learn to think conceptually while increasing their skills in the following areas: composition, drawing, painting, and printmaking.

VISUAL ART III/PAINTING III (05157F1003)

Grade: 11, 12 Credit: 1.0 Prerequisite: Introduction to Visual Art and Visual Art /Painting II

Create; problem solve; utilize a variety of media and techniques; communicate concepts, emotions, intentions; elements and principles of design; technology; independent research; self-directed sketchbook; critical analysis; aesthetics; art history; interdisciplinary connections. Visual Arts III gives students the opportunity to work in areas of special interest in regard to media and themes. This course is primarily geared toward, but not limited to, students preparing for the AP Art courses. Primary emphasis will be on producing portfolio quality pieces for the breadth and quality sections of the AP art portfolio.

VISUAL ART IV/PAINTING IV (05157G1004)

GRADES: 9, 10, 11, 12 CREDIT: 1.0 PREREQUISITE: INTRODUCTION TO VISUAL ART AND VISUAL ART III/PAINTING III

Prerequisite: Painting III Create; problem solve; utilize a variety of media and techniques; communicate concepts, emotions, intentions; elements and principles of design; technology; independent research; self-directed sketchbook; critical analysis; aesthetics; art history; interdisciplinary connections.

CERAMICS I (05165G1001)

Grades: 10, 11, 12 Credit: 1.0

This class is an introduction to clay, fine crafts, and 3-D design with an emphasis on hand building and throwing techniques. Applied (functional) art techniques will also be taught. Students are encouraged to explore creative expression by solving problems of three-dimensional form and utilizing surface embellishment. Other techniques may include but are not limited to jewelry, stained glass, textiles, and mixed-media.

CERAMICS II (05159G1002), CERAMICS III (05159G1003), CERAMICS IV (05159G1004)

Grades: 11, 12 Credit: 1.0 Prerequisite: Previous Year(s) Course(s)

A continuation of the previous course with an emphasis on building a body of work and preparing the student's portfolio for college and scholarship applications.

DRAWING I (05999C1005)

Grades: (9th DHS Only), 10, 11, 12 Credit: 1.0

If you love to draw, or don't know how and want to learn, this is the class for you! This is a one-credit course where you will learn two-dimensional design; problem-solving using a variety of drawing media and techniques; elements and principles of design; aesthetics; criticism and art history; evaluation of artwork.

DRAWING II (05156G1002), DRAWING III (05156G1003), DRAWING IV (05156G1004)

Grades: 10, 11, 12 Credit: 1.0 Prerequisite: Previous Year(s) Course(s)

A continuation of the previous course with an emphasis on building a body of work and preparing the student's portfolio for college and scholarship applications.

DIGITAL PHOTOGRAPHY I (05167G10D1)

Grades: 10, 11, 12 Credit: 1.0
Document the world around you and tell your story through photographs. This is a one-credit course where you will learn the elements and principles of design; aesthetics; criticism; art/photography history; evaluation of artwork; proper care and storage of photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; use of technology. **DIGITAL CAMERA WITH MANUAL SETTING REQUIRED; NO CELL PHONE CAMERAS.**

DIGITAL PHOTOGRAPHY II (05167G10D2)
Grades: 11, 12 Credit: 1.0 Prerequisite: Digital Photography I
A continuation of the previous course with an emphasis on building a body of work and preparing the student's portfolio for college and scholarship applications.

GRAPHIC ARTS (05162G1001)
Grades: 9, 10, 11, 12 Credit: 1.0
Elements and principles of design; problem-solving using appropriate media, techniques, or processes; integration of technology; aesthetics; criticism; art history; evaluation of artwork. This class incorporates the use of a computer along with various software programs to produce professional imagery that could be used in the advertising and promotional field. Art skills are beneficial but not required. Creativity, imagination, and a good work ethic are vital to be successful in this class.

VIDEO GAME DESIGN I (05253G1001)
Grades: 10, 11, 12 Credit: 1.0
Video games are a multibillion-dollar industry, and you can get a head start in the field while still in high school. Sequential art introduces you to video game design, animation, and comics and then allows you to focus on developing your skills as a videogame designer. This is a one-credit course where you will learn two-dimensional design; problem-solving as it relates to storytelling; art as communication; elements and principles of design; aesthetics; the history of sequential art; evaluation of artwork.

VIDEO GAME DESIGN II (05253G1002), VIDEO GAME DESIGN III (05253G1003)
Grades: 11, 12 Credit: 1.0 Prerequisite: Previous Year(s) Course(s)
A continuation of the previous course with an emphasis preparing the student's portfolio for college and scholarship applications.

SEQUENTIAL ART I (05255G1001)
Grades: 10, 11, 12 Credit: 1.0
This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing moving and sequential images for the variety of cinematic, film/video, static sequential, and multimedia presentations including: fictional dramas, documentaries, music videos, artistic and experimental presentations and/or installations, interactive, immersive and performance media, traditional and digital comics, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of moving imagery; all processes of development including: storytelling, pre-production planning and organization, production and post-production methods, tools and processes; moving image presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.

SEQUENTIAL ART II (05255G1002)
Grades: 11, 12 Credit: 1.0
This course topics include: aesthetic meaning, appreciation and analysis of moving imagery; all processes of development including: storytelling, pre-production planning and organization, production and post-production methods, tools and processes; moving image presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.

GUITAR I (05108G10G1) @ DECATUR HIGH SCHOOL ONLY
Grade: 9, 10, 11, 12 Credit: 1.0
This is a one credit course, novice level designed for beginning music students to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.

BAND

MARCHING BAND (05102G1001)
Grade: 9, 10, 11, 12 Credit: 1.0 Prerequisite: Approval of band director
Perform; compose; analysis; criticism; history; characteristic tone in all registers; intonation; balance; notate, sight-read Grade IV literature; scales and rudiments required in Level IV music standards. Designed for students in the 9th through 12th grades with previous instrumental music experience. It includes participation in the concert band, and other small ensembles. The concert band presents a Spring concert and participates in State Band Assessment. This course will count as a Fine Arts credit or PE credit.

CONCERT/SYMPHONY BAND
Grade: 9, 10, 11, 12 Credit: 1.0 Prerequisite: Approval of band director
Perform; compose; analysis; criticism; history; characteristic tone in all registers; intonation; balance; notate, sight-read Grade IV literature; scales and rudiments required in Level IV music standards. Designed for students in the 9th through 12th grades with previous instrumental music experience. It includes participation in the marching and concert bands. This class is required for all members of the

marching band and color guard. The marching band performs at football games, local parades. The concert band presents a Christmas concert. This course will count as a Fine Arts credit.

COLOR GUARD (05149G10I2)
Grade: 9, 10, 11, 12 Credit: 1.0 Prerequisite: Audition and approval of band director
This class is designed for members of the DHS band color guard only. It allows this auxiliary group a chance for structured daily rehearsal. It is required to register for this class for both 1st and 2nd semester to be a member of the color guard. This course will count as either a Fine Arts or P.E. credit.

PERCUSSION (05109G10P1)
Grade: 9, 10, 11, 12 Credit: 1.0 Prerequisite: Approval of band director
Playing instruments; elements of music; perform; compose; criticism; producing sounds; demonstrating components essential to the production of characteristic tones, sight-reading unison literature and rhythms; developing full spectrum of scales; developing mastery of rudiments; history. This class is designed to instruct band students on how to play an instrument and become a better musician. This course will count as a Fine Arts credit.

INSTRUMENTAL MUSIC (05149G10I1)
Grade: 9, 10, 11, 12 Credit: 1.0 Prerequisite: Approval of band director
Small groups of students scheduled through the day in instrumental music classes. Instruction is on an individual basis, with individual practice required and private lessons given at least once or twice a week to each student by the band director. Music Theory is taught as a part of the class when the makeup of the class lends itself to being a productive activity for the students. Students are expected to audition and participate in All-State and Solo and Ensemble Festival.

CHORUS

INTERMEDIATE MIXED CHOIR (05110G1003)
Grade: 9 Credit: 1.0 Fee: $55.00
This is a one credit course for 8th or 9th graders designed to extend students' vocal music knowledge and skills as well as provide students with a deeper understanding and appreciation of the study of music. Student's sight read three- and four-part literature and demonstrate technical expertise in producing a characteristic vocal sound individually and in groups. They perform a varied repertoire of music in various languages and are proficient in evaluation performances.

MEN'S CHOIR (VOCAL I) (05111G10M1)
Grade: 9, 10, 11, 12 Credit: 1.0 Fee: $55.00
This course offers beginning or intermediate singers the opportunity to develop skills which will allow them to be successful in more advanced mixed ensembles. Level I Vocal Music is designed to address the needs of young musicians who are eager to explore vocal music instruction regardless of grade level. Content standards for Level I emphasize the fundamentals of singing, sight-reading, listening and beginning theory. Students have the opportunity to perform a varied repertoire of literature from various stylistic periods and composers, compare music of various cultures, and learn how concepts in music relate to concepts in other disciplines.

WOMEN'S CHOIR (VOCAL I) (05111G10W1)
Grade: 9, 10, 11, 12 Credit: 1.0 Fee: $55.00
This course offers beginning or intermediate singers the opportunity to develop skills which will allow them to be successful in more advanced mixed ensembles. Level I Vocal Music is designed to address the needs of young musicians who are eager to explore vocal music instruction regardless of grade level. Content standards for Level I emphasize the fundamentals of singing, sight-reading, listening and beginning theory. Students have the opportunity to perform a varied repertoire of literature from various stylistic periods and composers, compare music of various cultures, and learn how concepts in music relate to concepts in other disciplines.

CONCERT CHOIR (VOCAL II) (05110G1003)
Grade: 10, 11, 12 Credit: 1.0 Fee: $55.00 Prerequisite: Vocal I
Course designed to extend students' vocal music knowledge and skills and provide students with a deeper understanding and appreciation of the study of music. The level of students' technical skills and artistry increase as students strive to perfect their voices. Students sight-read three and four-part literature and demonstrate technical expertise in producing a characteristic vocal sound individually and in groups. They perform a varied repertoire of music in various languages and are proficient in evaluation performances.

SHOW CHOIR (VOCAL III) (05121G1001)
Grade: 10, 11, 12 Credit: 1.0 Fee: $55.00 Prerequisite: Vocal I and Audition
This is an advanced, auditioned/selected vocal ensemble that performs using accompanied music from the 20th century – present, choreography, and costumes. However, music from other eras is also used throughout the course of the year. Emphasis is placed upon quality singing and tone production, choreography, responsibility to an organizational effort, independence of thought, critical thinking, and analysis of one's' own and ensembles' performance, and attention to detail and high expectations in performance and comprehension of the subject matter. An audition process is required.

CHAMBER CHOIR (VOCAL IV) (05111G10C1)
Grade: 10, 11, 12 Credit: 1.0 Fee: $55.00 Prerequisite: Vocal I and Audition

Course is designed to extend students' vocal music knowledge and skills and provide students with a deeper understanding and appreciation of the study of music. The level of students' technical skills and artistry increase as students strive to perfect their voices. Students fluently sight read multipart literature and demonstrate technical expertise in producing a characteristic vocal sound individually and in groups. They perform a varied repertoire of music in various languages and are proficient in evaluation performances. Level IV standards are appropriate for the school's most successful vocal musical ensembles. An audition process is required.

AP MUSIC THEORY (05114E1000)
Grade: 10, 11, 12 Credit: 1.0 Prerequisite: Teacher approval
This course corresponds to one or two semesters of a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Students understand basic concepts and terminology by listening to and performing a wide variety of music.

THEATRE

THEATRE I (05052G1001)
Grade: 9, 10, 11, 12 Credit: 1.0
Theatre I is an introductory course designed to give an overview of the world of theatre. Students will gain acting experience through monologues, scene work, pantomime, improvisation, classical performance, musical theatre, and play performance. Students will learn about the origins of theatre through a history unit. Students will explore their senses and emotions through class exercises.

THEATRE II (05052G1002)
Grade: 10, 11, 12 Credit: 1.0 Prerequisite: Drama I
This course is a continuation of Theatre I on a more advanced and technical level. Participation in school productions, theatre competitions, and workshops is highly encouraged.

THEATRE III (05052G1003)
Grade: 11, 12 Credit:1.0 Prerequisite: Drama I and Drama II
Theatre III is designed primarily for the serious theatre student who wants to continue to improve his/her performing abilities. Students will focus primarily on auditioning skills and methods of acting and directing. Participation in school productions, district competitions, and workshops is required.

TECHNICAL THEATRE PRODUCTION I (05056G1001)
Grade: 10, 11, 12 Credit: 1.0
Technical theatre is an introductory course designed to teach students the production aspects of Theatre. Students will be certified in tools and safety procedures, learn basic carpentry, painting, sound engineering and light board operation. Students are required to participate as crew members for all Theatre productions. Students will also learn to run school events such as band, choir, and orchestra concerts in addition to other specialized events.

TECHNICAL THEATRE PRODUCTION II (05056G10T2)
Grade: 11, 12 Credit: 1.0 Prerequisite: TECHNICAL THEATRE PRODUCTION I
This course is designed for students who want to continue training in the behind-the-scenes skills of theatre and to take on leadership positions. Students in this course will lead crews in building and painting sets, fabricating props, designing and running theatrical lights, microphones and sound systems for school plays and musicals.

THEATRICAL MAKEUP/COSTUME DESIGN (05056G10M2)
Grade: 11, 12 Credit: 1.0 Fee: $25
This course is to expose you to the various aspects of theatrical makeup and costume design. You will learn about products, tools and techniques of makeup application for the stage including basic highlight and shadow, character make-up, and costumes.

PHYSICAL EDUCATION, HEALTH, AND ATHLETICS

Beginning Kinesiology FOR BOYS (08017G1000)
Grade: 9, 10, 11, 12 Credit: 1.0
This course consists of instruction in and knowledge of a variety of activities such as individual and conditioning exercises, rhythms, tumbling, gymnastics, team sports, and individual sports. The high school required course, LIFE (Lifetime Individualized Fitness Education) provides a blueprint for a lifetime of healthy living.

Beginning Kinesiology FOR GIRLS (08017G1000)
Grade: 9, 10, 11, 12 Credit: 1.0
This course consists of instruction in and knowledge of a variety of activities such as individual and conditioning exercises, rhythms, tumbling, gymnastics, team sports, and individual sports. The high school required course, LIFE (Lifetime Individualized Fitness Education) provides a blueprint for a lifetime of healthy living.

BODY CONDITIONING FOR GIRLS (08005G1000)
Grade: 10, 11, 12 Credit: 1.0 Prerequisite: LIFE Physical Education
This course is focused on developing a healthy body composition through aerobic training and body sculpting. Activities included will be floor aerobics, tae bo, walking, step aerobics and body sculpting.

STRENGTH TRAINING/CONDITIONING FOR BOYS (08005G1000)

Grade: 10, 11, 12 Credit: 1.0 Prerequisite: LIFE Physical Education
This course is focused on improving all five (5) components of fitness through strength training and aerobic activities.

ADV. SPORTS CONDITIONING FOR BOYS
ADV. SPORTS CONDITIONING FOR GIRLS
Grade: 9, 10, 11, 12 Credit: 1.0 Prerequisite: Coach's approval
The Advanced Sports Conditioning courses are designed to provide weight training and conditioning for all athletes.

HEALTH (08051G0500)
Grade: 10 Credit: 0.5
It is a diversified course covering many contemporary topics. The units covered will include, but not be limited to: mental wellness, personal fitness, nutrition, parenting, CPR, first aid, and sexually transmitted diseases. This course satisfies the Health requirement and is recommended to be taken in the 10th grade.

SPORTS OFFICIATING (08019G1000)
Grade: 9, 10, 11, 12 Credit: 1.0
This course does not fulfill the Physical Education requirement. This course is an elective.

ATHLETICS
Grade: 9, 10, 11, 12 Credit: 1.0 Prerequisite: Coach's approval
The sports listed below may meet on both A and B days.
BASEBALL *(08013G10BA)*
BASKETBALL – BOYS *(08013G10BK)*
BASKETBALL – GIRLS *(08013G10BK)*
CHEERLEADING *(08006G10CH)*
FOOTBALL *(08013G10FB)*
CROSS COUNTRY *(08013G10CC)*
GOLF *(08013G10GO)*
SOCCER-BOYS *(08013G10SC)*
SOCCER-GIRLS *(08013G10SC)*
SOFTBALL *(08013G10SB)*
TENNIS *(08011G10TN)*
TRACK *(08013G10TF)*
VOLLEYBALL *(08013G10VB)*
WRESTLING (Need Course Code)

ADDITIONAL ELECTIVES

DRIVER AND TRAFFIC SAFETY EDUCATION (08152G1000)
Grades: 10 Credit: 0.5 Prerequisite: A valid learner's permit
Safe driving theory; in class study; driving hazards; boating safety; behind the wheel experience, safety practices and a practical application of traffic laws.

MATHEMATICS SUPPLEMENTAL LAB (02996G1000) - DECATUR HIGH SCHOOL ONLY
Grades: 9, 10, 11, 12 Credit: 1.0
This course does not satisfy a mathematics requirement for graduation. Students will receive instructional support to enrich their mathematics courses.

E-SPORTS
Grades: 10, 11, 12 Credit: 1.0 Fee: $100.00
Students will learn to play AHSAA approved video games in eSports. Students will learn about sportsmanship, teamwork, cooperation, and will play multiple legends competitively after school.

ACT PREP (22001G0500)
Grades: 9, 10, 11, 12 Credit: 1.0
This is a class for students that wish to improve their test taking abilities and better prepare for the ACT. Students will be required to sit for one non-state mandated ACT.

AUSTIN AMBASSADOR (22994X1002) AUSTIN HIGH SCHOOL ONLY
Grade: 10, 11, 12 Credit: 1.0 Prerequisite: Teacher Approval
Students will travel to elementary schools daily and mentor students in grades K-5. In addition, students will enhance and utilize their leadership skills.

RENAISSANCE TEAM/STUDENT COUNCIL (22994X1002) DECATUR HIGH SCHOOL ONLY
Grade: 9, 10, 11, 12 Credit: 1.0 Prerequisite: Teacher Approval
Students must complete an application packet and be selected to remain in this course. The DHS Renaissance Team/Student Council will work on improving school climate and culture for both students and educators. Service hours outside of the regular school day will be required by this team.

OFFICE ASSISTANT / STUDENT AIDES (22051X1000)
Grade: 10, 11, 12 Credit: 1.0 Prerequisite: Administrator approval; completed application submitted to Guidance

ACADEMIC TUTOR (22107X1000)
Grade: 11, 12 Credit: 1.0 Prerequisite: Administrator approval
Supervised tutoring services offered by students. Students will work in academic areas with individual students and small groups of students. A student applying for this course must have his/her own means of transportation.

YEARBOOK (11104X1000)
Grades: 9 - 12 Credit: 1.0
This course exposes students to the principles of layout design, copywriting, editing, photography (basics), photo preparation, and caption writing. By meeting deadlines, students will learn to work under time pressure. Their main responsibility will be to prepare the school yearbook for publication. This includes duties involving photo scheduling, yearbook sales, and fundraising activities. This course is an elective credit and not an English credit.

HISTORY THROUGH AMERICAN FILM (04099G1000)
Grades: 11, 12 Credit: 1.0
The History of American Film is a chronological survey course on movies and their cultural significance to the nation. Students will study the development of the film industry and consider the place of Hollywood in American popular culture. Films will be studied both in and out of class and students will learn to make critical judgments on how films both reflect and shape the lives of Americans. Students will also learn to see how movies influence pop culture and vice versa. Class discussion on films will ultimately lead to higher thinking skills as students decide if Hollywood is producing great works of art or merely entertainment. This course is an elective course and does not fulfill the requirement for a social studies credit.

***AP PSYCHOLOGY (04256E1000)**
Grade: 10, 11, 12 Credit: 1.0
The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

***AP HUMAN GEOGRAPHY (04004E1000) - DECATUR HIGH SCHOOLS ONLY**
Grade: 10, 11, 12 Credit: 1.0
The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

AFRICAN AMERICAN HISTORY (04099G1000) AUSTIN HIGH SCHOOL ONLY
Grades: 11, 12 Credit: 1.0
This course is an elective course and does not fulfill the requirement for a social studies credit.

CONTEMPORARY WORLD ISSUES (04064G0500)
Grade: Grades 10, 11, 12 Credit: .5
This course is an elective course and does not fulfill the requirement for a social studies credit. This course will involve students with current affair issues, cultures, and events in our world today. State, local, national, artistic expression, pop culture idioms, and international affairs will be highlighted on a continuing basis with a heavy emphasis on competition with various games to enhance the learning environment. Prominence will be placed on the inter-relationship of concepts from the various social sciences and how they relate to the culture of today and items mentioned above. Students will develop skills in rigorous conversations and various competitions that highlight their knowledge as well as welcome educational debates between peers.

JOURNALISM (11101G1013)
Grade: 9, 10, 11, 12 Credit: 1.0
This course is for students considering a career in the publication/writing industry considered first. The first year (or semester) students would learn the structure and ethics of journalism, practice writing and research skills, and maintain the DHS Raider Press website.

PUBLIC SPEAKING (01151G1000)
Grades: 10, 11, 12 Credit: 1.0
NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Extemporaneous, demonstrative, persuasive, informative oral communication; videotape; speech writing and delivery.

Advanced Manufacturing & Process Technology Technician Academy

In the Advanced Manufacturing & Process Technology Technician Academy, sequential courses require students to complete prerequisites in a particular order.

Hands-on training is especially important for Advanced Manufacturing & Process Technology Technician Academy. Students gain knowledge and skills through an active, structured, and stimulating classroom environment which is augmented by actual and simulated workplace learning experiences, including on-site visits and job shadowing. Classrooms and laboratories of programs within the Manufacturing cluster provide safe and appropriate settings where students can learn and practice their skills. Also, students can be assessed in meaningful ways in these simulated workplace settings.

Students in Grade 9-12 possess varying learning styles and levels of maturity. Their backgrounds include diverse family structures and varying social and emotional environments. Throughout these grades, students are adjusting to personal, physical, and emotional changes as well as to social changes taking place in the world around them while they tackle challenging academic requirements and opportunities. Courses in programs within the Manufacturing cluster provide options for them to consider as they determine their academic and professional pathways; the courses also teach skills and competencies which will serve students well as they progress from educational settings to careers.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Transportation, Distribution and Logistics career cluster affiliate with SkillsUSA.
*Students must apply and be accepted into the Academy.

MARKETING PRINCIPLES *(12164G1001)* ***– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***
Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues
Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.

Introduction to Manufacturing *(13001G1000) First Semester*
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s): MARKETING PRINCIPLES RECOMMENDED**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Introduction to Manufacturing focuses on the fundamental knowledge and skills needed in the manufacturing industry. Emphasis is placed on job safety, use of manufacturing materials, primary manufacturing processes, secondary manufacturing processes, and manufacturing systems. Upon successful completion of this course, students perform basic tasks related to the manufacturing industry. This entry-level course may be taken in any program within the Manufacturing cluster.

Industrial Maintenance Mechanical I *(13303G1004) Second Semester*
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s): Introduction to Manufacturing**
Industrial Maintenance Mechanical I provides an overview of the basics of an industrial technician's responsibilities and skills. Topics include safety, measurement, basic employability skills, material handling, rigging, construction mathematics, and construction drawings. Educators may choose to incorporate additional standards to build upon those which are required.

Industrial Maintenance Mechanical II *(13303G1005) First Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): Industrial Maintenance Mechanical I**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Industrial Maintenance Mechanical II builds on Industrial Maintenance I to provide a detailed look into the skills and knowledge required to be an industrial technician. Topics include tools of the trade, fasteners and connections, oxy-fuel cutting, gaskets and packing, pumps, valves, and lubricants. Educators may choose to incorporate additional standards to build upon those which are required.

Industrial Maint Electrical and Instr I *(20104G1013) Second Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): Industrial Maintenance Mechanical II**
Industrial Maintenance: Electrical and Instrumentation I provides an overview of the basic skills and concepts needed by an E and I technician. Topics include orientation, work environment, industrial safety, gaskets and packing, construction drawings, test instruments, and craft-related mathematics. Educators may choose to incorporate additional standards to build upon those which are required.

Industrial Maint Elect and Instr II *(13303G1002) First Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): Industrial Maint Electrical and Instr I**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Industrial Maintenance Electrical and Instrumentation II elaborates on the overview of skills presented in Industrial Maintenance Electrical and Instrumentation I. Topics include basics of electricity, alternating current, magnetism, fasteners and anchors, grounding, and sensors and sensing. Educators may choose to incorporate additional standards to build upon those which are required.

Career Pathway Project in Manufacturing *(13997G1003) Second Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): *Industrial Maint Elect and Instr II***
Career Pathway Project (CPP) in Manufacturing is a capstone course designed for career and technical education students who have completed two or more courses in the Manufacturing career cluster. This course allows students to utilize their secondary coursework through an experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. This course may be taken in any program within the Manufacturing cluster.

*Students also have the opportunity to earn dual enrollment credit with Calhoun Community College.

Automotive Technology Academy

Automotive Technology courses collectively meet the requirements for the ASE Education Foundation MLR accreditation and prepare students for the Automotive Service Excellence (ASE) student credential. Content standards are written to meet Automotive Service Excellence (ASE) Education Foundation requirements, which also specify task lists, program hours, and safety standards.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Transportation, Distribution and Logistics career cluster affiliate with SkillsUSA.

*Students must apply and be accepted into the Academy.

MARKETING PRINCIPLES *(12164G1001)* ***– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***
Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues
Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.

AUTOMOTIVE TECHNOLOGY FOUNDATIONS *(20104G1011) First Semester*
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s): MARKETING PRINCIPLES RECOMMENDED**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Automotive Technology Foundations is designed to equip students with basic knowledge and skills regarding safety, engine repair, automatic transmissions, and manual drive trains. A major focus of this course is system and component operations. Standards are designed to equip students to diagnose and repair engine performance related systems. Because it is the foundation for all other automotive technology courses, Automotive Technology Foundations is a prerequisite or corequisite for Level I courses. This course incorporates personal and environmental safety practices associated with clothing and eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

SAFETY AND HEALTH REGULATIONS *(17049G1000) Second Semester*
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s): AUTOMOTIVE TECHNOLOGY FOUNDATIONS**
Safety and Health Regulations are designed to provide students with information on the importance of government and industry regulations as well as individual responsibilities for performing activities safely. Students identify common safety hazards found in the workplace and examine their own roles in minimizing and avoiding unsafe practices. Specific topics include flammable and combustible liquids, emergency egress and fire protection, electrical safety, environmental control, machine guarding, tool safety, first aid, hazard communication, personal protective equipment, walking and working surfaces, and material handling and storage. This entry-level course may be taken in any program within the Manufacturing cluster.

AUTOMOTIVE BRAKE, SUSPENSION, AND STEERING I *(20104G1012) First Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): SAFETY AND HEALTH REGULATIONS**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Automotive Brake, Suspension, and Steering Repair I is designed to equip students with foundational knowledge and skills regarding automotive suspension, steering, and brake systems. Strong emphasis is placed on system and component operations. Standards are designed to equip students to diagnose and repair engine performance related systems. This course incorporates personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and material and chemical handling. Local, state, and federal safety and environmental regulations will be followed.

AUTOMOTIVE ELECTRICAL COMPONENTS I *(20104G1013) Second Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): AUTOMOTIVE BRAKE, SUSPENSION, AND STEERING I**
Automotive Electrical Components I is designed to equip students with foundational knowledge and skills regarding safety, electrical, and electronics systems. Standards are designed to equip students to diagnose and repair engine performance related electrical systems. This course incorporates personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

AUTOMOTIVE ENGINE REPAIR AND PERFORMANCE I *(20104G1014) First Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): AUTOMOTIVE ELECTRICAL COMPONENTS I**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Automotive Engine Repair and Performance I is designed to equip students with foundational knowledge and skills regarding safety, engines, and engine performance. Standards are designed to equip students to diagnose and repair engine performance related systems. This course incorporates personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

AUTOMOTIVE ELECTRICAL COMPONENTS II *(20104G1016) Second Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): AUTOMOTIVE ENGINE REPAIR AND PERFORMANCE I**
Automotive Electrical Components II is designed to equip students with service knowledge and skills regarding safety, electrical, and electronics systems. Standards are designed to equip students to diagnose and repair electrical systems related to engine performance. This course incorporates personal and environmental safety practices associated with clothing and eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

Students enrolled in the Automotive Technology Academy have the opportunity to earn certification in the following areas:

- ASE Student Maintenance and Light Repair
- ASE Automobile Service Technology
- ASE Student Suspension and Steering
- ASE Student Brakes
- ASE Student Electrical/Electronic Systems
- ASE Student Engine Performance
- ASE Student Engine Repair
- ASE Student Automatic Transmission/Transaxle
- ASE Student Manual Drive Train and Axles
- ASE Student Heating and Air Conditioning

*Students also have the opportunity to earn dual enrollment credit with Calhoun Community College.

Barbering Academy

The Barbering Academy provides students with the opportunity to participate in programs that prepare students for careers in the Barbering and/or Cosmetology pathway. This academy aims to prepare students for the workforce, offering them a curriculum that provides hands-on experience and certification opportunities in Cosmetology.

Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Cosmetology and Barbering program affiliate with SkillsUSA.

*Students must apply and be accepted into the Academy.

MARKETING PRINCIPLES *(12164G1001)* ***– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***
Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues
Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.

BARBERING FUNDAMENTALS *(ALSDE CODE NEEDED) First Semester*
Grade: 11 **Credit:** 1.0 **Prerequisite(s): MARKETING PRINCIPLES RECOMMENDED**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Barbering Fundamentals is the prerequisite for all other courses in the barbering pathway. It presents the knowledge and skills needed for a career in barbering, including basic procedures of shampooing, hair shaping, hair styling, shaving, manicures, and pedicures. Safety and sanitation are stressed in all areas. Specific topics include barbering history, infection control principles and practices, hair and facial services, principles of hair design and haircutting, and manicure and pedicure services.

SALON PRACTICES AND MANAGEMENT *(ALSDE CODE NEEDED) Second Semester*
Grade: 11 **Credit:** 1.0 **Prerequisite(s):** BARBERING FUNDAMENTALS
Salon Practices and Management focuses on the process of opening a business, maintaining the business, and preparing future employees who might be a part of that business. It is designed to equip students with entry-level management skills for the hair care industry, including planning and managing inventory; creating and maintaining budgets; recruiting, selecting, and retaining quality personnel; understanding tax laws for payroll and sales; and demonstrating professional ethics and communication skills. Topics include legal requirements, business plans, salon business practices, and entrepreneurship.

CTE LAB IN BARBERING I *(ALSDE CODE NEEDED) First Semester*
Grade: 12 **Credit:** 1.0 **Prerequisite(s):** SALON PRACTICES AND MANAGEMENT
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
CTE Lab in Cosmetology and Barbering is designed to enhance the student's general understanding and mastery of the Cosmetology and Barbering program. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.

CAREER PATHWAY PROJECT - BARBERING *(ALSDE CODE NEEDED) Second Semester*
Grade: 12 **Credit:** 1.0 **Prerequisite(s):** CTE LAB IN BARBERING I
Career Pathway Project (CPP) in Cosmetology and Barbering is a capstone course which allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

Students enrolled in the Barbering Academy have the opportunity to earn certification in the following areas:
- Barbering Licensure

*Students also have the opportunity to earn dual enrollment credit with J.F. Drake State Technical College.

Business Academy (@ Decatur and Austin)

This career academy provides students with the opportunity to improve skills with self-paced, interactive, and engaging online training. It will provide students with the 21st century technology skills necessary to acquire certification and be competitive in today's rapidly evolving workplace.
*Students must apply and be accepted into the Academy.

COURSE PROGRESSION: Business Information Technology
BUSINESS SOFTWARE APPLICATIONS I *(10005G1001)* ***– CTE FOUNDATION COURSE***
Grade: 9 **Credit:** 1.0 **Prerequisite(s):** None
Fee(s): $20 FBLA dues
Business Software Applications I emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use

of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.

BUSINESS SOFTWARE APPLICATIONS II *(10005G1002)*
Grade: 10, 11, 12 **Credit:** 1.0 **Prerequisite(s):** BUSINESS SOFTWARE APPLICATIONS I (10005G1001)
Fee(s): $20 FBLA dues
Business Software Applications II focuses on advanced word processing and spreadsheet and database management skills using current and emerging integrated technology. These skills include a variety of input technologies in the production of professional quality business documents and reports. Performance and production skills for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are embedded in this course. Students will also have the opportunity to gain industry-recognized credentials to document advanced computer skills needed for future education or employment plans.

BUSINESS and LEGAL CONCEPTS *(12054G1001)*
Grade: 10, 11, 12 **Credit:** 1.0 **Prerequisite(s):** BUSINESS SOFTWARE APPLICATIONS I (10005G1001)
Fee(s): $20 FBLA dues
Business and Legal Concepts emphasizes the ethical and legal dimensions of conducting business. The course focuses on application of ethical concepts, historical events that have shaped business law in the United States, the U.S. court systems, contracts, insurance, and various areas of law that impact business operations.

ENTREPRENEURSHIP *(12053G1000)*
Grade: 10, 11, 12 **Credit:** 1.0 **Prerequisite(s):** BUSINESS SOFTWARE APPLICATIONS I (10005G1001)
Fee(s): $20 FBLA dues
Entrepreneurship focuses on the skills needed to organize, develop, create, and manage a business in a variety of environments. Course standards are designed to foster an entrepreneurial mindset; encourage innovation, critical thinking, and problem-solving in a fast-paced professional setting; and build basic knowledge of various entrepreneurial ventures.

COURSE PROGRESSION: Finance Pathway

BUSINESS SOFTWARE APPLICATIONS I *(10005G1001)* ***– CTE FOUNDATION COURSE***
Grade: 9 **Credit:** 1.0 **Prerequisite(s):** None
Fee(s): $20 FBLA dues
Business Software Applications I emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.

ACCOUNTING *(12104G1012)*
Grade: 10, 11, 12 **Credit:** 1.0 **Fee(s):** $20 FBLA dues
Accounting is designed to help students understand the basic principles of the accounting cycle. Whether students aspire to be future business owners or work in finance with other companies, accounting skills are fundamental to success and applicable in many different fields. This course provides a comprehensive introduction to basic financial accounting, including analyzing and recording business transactions, preparing and interpreting financial statements, demonstrating generally-accepted accounting principles, and performing banking and payroll activities. Additionally, students receive exposure to the ethical considerations that accounting professionals must face and the standards of practice governing their work.

PERSONAL FINANCE *(19262G1001)*
Grade: 10, 11, 12 **Credit:** 1.0 **Fee(s):** $20 FBLA dues
Personal Finance is a foundational course that introduces students to the principles of financial literacy for achieving personal goals. This course is designed to inform students about how the choices they make directly influence their occupational goals, future earning potential, and long-term financial well-being. Content provides opportunities for students to explore consumer behavior, legislation, consumer protection, consumer rights and responsibilities, financial decision-making, advertising and promotional techniques, individual and family money management, banking services, use of credit, income tax, and technology.

ADVANCED ACCOUNTING *(12104G1022)*
Grade: 10, 11, 12 **Credit:** 1.0 **Prerequisite(s):** ACCOUNTING **Fee(s):** $20 FBLA dues
Advanced Accounting builds on the foundational knowledge students acquired in Accounting. Standards are designed for students to apply their skills and knowledge in various business situations by performing accounting activities following generally-accepted accounting principles (GAAP). Uncollectible accounts, plant assets, inventory, notes payable and receivable, prepaid and accrued expenses, and unearned and accrued revenues are analyzed, and related adjustments are calculated, and application of managerial accounting techniques are encouraged. Various forms of technology will be used to expose students to the resources and application of accounting principles. Employability skills are incorporated throughout the course standards to meet the needs of business and industry.

CAREER PATHWAY PROJECT FINANCE *(12147G1003)* - Redstone Federal Credit Union Branch Operations
Credit: 1.0 **Fee(s):** $20 FBLA dues

Career Pathway Project (CPP) in Finance is a capstone course designed for students who have earned two or more credits from the same pathway in the Finance Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

COURSE PROGRESSION: Marketing Pathway

MARKETING PRINCIPLES *(12164G1001)* ***– CTE FOUNDATION COURSE***

Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues

Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.

DIGITAL MARKETING *(12162G1001)*

Grade: 10, 11, 12 **Credit:** 1.0 **Prerequisite(s):** MARKETING PRINCIPLES **Fee(s):** $20 DECA dues

Digital Marketing introduces students to digital marketing techniques, tools, and methods, including email, websites, applications, social media, and other electronic means. This course focuses on how to develop and conduct digital marketing campaigns. Emphasis is placed on creating, implementing, and critiquing online advertising, email marketing, websites, social media, mobile marketing, search-engine optimization, video and images, podcasts, webcasts, and creating and repurposing content for use in digital environments.

SPORTS AND ENTERTAINMENT MARKETING *(12163G1003)*

Grade: 10, 11, 12 **Credit:** 1.0 **Prerequisite(s):** MARKETING PRINCIPLES **Fee(s):** $20 DECA dues

Sports and Entertainment Marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. This course introduces the student to the major segments of the industry and the social and economic impact the industry has on local, state, national, and global economies. Although no prerequisite is listed, it is suggested that students complete an introductory marketing course prior to taking Sports and Entertainment Marketing.

Students enrolled in the Business Academy have the opportunity to earn certification in the following areas:

- Guest Services Professional
- Microsoft Office – Excel 2016 Expert
- Microsoft Office – Word 2016 Expert
- Microsoft Office Specialist 2016 (MOS) (Two of the following areas REQUIRED)
    - Access, Excel, Outlook, PowerPoint, SharePoint, Word

Construction Technology Academy

The Building Science Academy is designed for the student interested in pursuing a career in the construction field, with a focus on residential construction. The program offers students a wide introduction to all areas of the construction trades. Students will learn safety procedures, blueprint comprehension, tool usage, and carpentry knowledge.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Architecture and Construction career cluster affiliate with SkillsUSA.

*Students must apply and be accepted into the Academy.

MARKETING PRINCIPLES *(12164G1001)* ***– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***

Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues

Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information

management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.

ARCHITECTURE AND CONSTRUCTION FOUNDATIONS-CONSTRUCTION TECHNOLOGY *(17002G1002) First Semester*
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s):** None
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Architecture and Construction Foundations is the foundational course for the Architecture and Construction career cluster. It is the first step in any of the three pathways (Construction, Design and Preconstruction, or Maintenance and Operations). Topics include construction mathematics; hand and power tools; construction drawings, specifications, and layout; communication; and material handling.

SAFETY AND HEALTH REGULATIONS *(17049G1000) Second Semester*
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s): ARCHITECTURE AND CONSTRUCTION FOUNDATIONS**
Safety and Health Regulations are designed to provide students with information on the importance of government and industry regulations as well as individual responsibilities for performing activities safely. Students identify common safety hazards found in the workplace and examine their own roles in minimizing and avoiding unsafe practices. Specific topics include flammable and combustible liquids, emergency egress and fire protection, electrical safety, environmental control, machine guarding, tool safety, first aid, hazard communication, personal protective equipment, walking and working surfaces, and material handling and storage. This entry-level course may be taken in any program within the Manufacturing cluster.

CONSTRUCTION BUILDING SYSTEMS (17002G1003) *First Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): SAFETY AND HEALTH REGULATIONS**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Construction Building Systems is designed to provide knowledge and skills used with mechanical systems in the finishing phase of a structure. Topics include safety, plumbing, electrical wiring, and HVAC.

RESIDENTIAL BUILDING *(17002G1010) Second Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): CONSTRUCTION BUILDING SYSTEMS**
Residential Building is designed to familiarize students with the framing phase of building a structure and with framing components. Topics include floor systems, wall systems, ceiling joist and roof framing, roofing applications, and building envelope systems.

CONSTRUCTION FOUNDATIONS LAYOUT *(17002G1011) First Semester*
Grade: 12 **Credit:** 1.0 **Prerequisite(s): RESIDENTIAL BUILDING**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Construction Foundation Layout is designed to familiarize students with the site preparation phase of construction and the methods and materials used in constructing foundations. The course covers site and foundation plans and how to utilize plans to complete the beginning phases of construction. Topics include concrete properties, placing concrete, masonry terms, and light equipment.

CONSTRUCTION FINISHING *(17011G1001) Second Semester*
Grade: 12 **Credit:** 1.0 **Prerequisite(s): CONSTRUCTION FOUNDATIONS LAYOUT**
Construction Finishing is designed to provide knowledge and skills used in applying a structure's exterior and interior finishes. Topics include exterior finishing, thermal and moisture protection, drywall, trim, stair layout, and cabinetry.

Students enrolled in the Building Science Academy have the opportunity to earn certification in the following areas:
NCCER Core (all modules), NCCER Carpentry Level 1, NCCER Carpentry Level 1, Forklift Operators Certification, Skid Steer Certification

*Students also have the opportunity to earn dual enrollment credit with Calhoun Community College.

Cosmetology Academy

This career academy provides students with the opportunity to participate in programs that prepare students for careers in the Cosmetology pathway. This academy aims to prepare students for the workforce, offering them a curriculum that provides hands-on experience and certification opportunities in Cosmetology.

Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Cosmetology and Barbering program affiliate with SkillsUSA.

*Students must apply and be accepted into the Academy.

MARKETING PRINCIPLES *(12164G1001)* ***– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***
Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues

Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.

COSMETOLOGY FUNDAMENTALS *(ALSDE CODE NEEDED) - First Semester*
Grade: 11 **Credit:** 1.0 **Prerequisite(s): MARKETING PRINCIPLES RECOMMENDED**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Cosmetology Fundamentals is the prerequisite for all other courses in the cosmetology pathway. This course is designed to provide students with an overview of the history and development of the cosmetology industry and basic information regarding principles and practices of infection control, diseases and disorders, essential practices of hair care, concepts of hair designing, and fundamentals of hair cutting. The information presented in this course is enhanced by hands-on practice performed in a controlled lab environment. The standards require students to apply safety rules, regulations, and procedures for basic skills identified in this course.

HAIR STYLING *(ALSDE CODE NEEDED) - Second Semester*
Grade: 11 **Credit:** 1.0 **Prerequisite(s): COSMETOLOGY FUNDAMENTALS**
Natural Hairstyling presents the knowledge and skills needed to provide natural hairstyling services. The course content includes natural hairstyling history, safety and sanitation, human anatomy and physiology, basic chemistry of hairstyling products, natural haircare services, materials and tools, and natural hairstyling procedures.

HAIR COLORING *(ALSDE CODE NEEDED) - First Semester*
Grade: 12 **Credit:** 1.0 **Prerequisite(s): HAIR STYLING**
Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA
Hair Coloring presents techniques for coloring and lightening hair. Emphasis is placed on color application, laws of color, levels and classifications of color, and problem-solving. The course is designed to enable students to identify all classifications of hair color and their effects on the hair. Topics include safety and sanitation, properties of hair and scalp, principles of hair coloring, concepts of hair lightening, color and lightening applications, and color correction. It is strongly suggested that students complete Chemical Services before taking Hair Coloring.

SPA TECHNIQUES I *(ALSDE CODE NEEDED) - Second Semester*
Grade: 12 **Credit:** 1.0 **Prerequisite(s): HAIR COLORING**
Spa Techniques I focuses on anatomy and physiology as they relate to the cosmetology industry, basic facials, and facial makeup. This course is designed to provide an understanding of cosmetic color theory and knowledge of cells, tissues, and essential body systems, including the structure, growth, and nutrition of skin. Standards require students to follow product application procedures for basic facials and basic makeup, conduct client consultations, and demonstrate facial massage movements. Sanitary precautions and safety are emphasized in the performance of these services.

Students enrolled in the Cosmetology Academy have the opportunity to earn certification in the following areas:

- Cosmetology Licensure
- Natural Hair Styling Licensure
- Nail Care Licensure
- Esthetics Licensure
-

*Students also have the opportunity to earn dual enrollment credit with J.F. Drake State Technical College.

Culinary Arts Academy

The Culinary Arts Academy will prepare students for a variety of careers in culinary arts and the hospitality industry. The required school-based laboratory for the Culinary Arts pathway is a food service kitchen with a food serving and dining area. Formal presentations and portfolios are developed to showcase students' work.

Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Hospitality and Tourism cluster affiliate with FCCLA.

*Students must apply and be accepted into the Academy.

INTRODUCTION TO HOSPITALITY AND TOURISM *(16001G1001) - First Semester* ***– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***

Grade: 9-10 **Credit:** 1.0 **Prerequisite(s):** *Apply and be accepted into Culinary Arts Academy*
Fee(s): $35 - Covers Fees for the academic year and Includes FCCLA fees
Introduction to Hospitality and Tourism is the prerequisite for all other courses in the cluster. Major topics include sports, recreation, and attractions; management of hotels, resorts, and lodgings; travel and tourism; restaurants and food and beverage services; and customer relations and quality services. Although a full kitchen is not required for this course, students should have access to small appliances to prepare foods in various ways.

CULINARY ARTS I *(16053G1012) - Second Semester*
Grade: 9-10 **Credit:** 1.0 **Prerequisite(s): INTRODUCTION TO HOSPITALITY AND TOURISM**
Culinary Arts I introduces students to basic food production, management, and service activities in both the back and front of the house. Emphasis is placed on sanitation, safety, and basic food preparation. Skills in mathematics, science, and communication are reinforced in this course. This course requires a fully-equipped, school-based commercial kitchen with food service and dining areas.

CULINARY ARTS II *(16053G1022) - First Semester*
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s): CULINARY ARTS I**
Fee(s): $35 - Covers Fees for the academic year and Includes FCCLA fees
Culinary Arts II builds on concepts presented in Culinary Arts I to provide expanded experiences in food production, management, and service. Topics include food safety and sanitation, foodservice operations, advanced food production, and international, regional, and cultural cuisine. Skills in mathematics, communication, creative thinking, and entrepreneurship are reinforced in this course. This course requires a fully-equipped, school-based commercial kitchen with food service and dining areas.

FOOD SAFETY AND MICROBIOLOGY *(19254G1000) - Second Semester – **EMBEDDED CREDIT FOR SCIENCE***
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s): CULINARY ARTS II**
Food Safety and Microbiology is a specialized area of study focusing on pathogens and spoilage microorganisms in foods, the conditions under which they grow, and conditions under which they are commonly inactivated, killed, or made harmless; principles involved in food fermentation; the role of food in immunology; effective sanitation practices to control pathogen and microbial growth in food; principles involved in food preservation; grade classifications of meat and produce; and microbial analysis to determine food quality.

BAKING & PASTRY ARTS *(16057G1000) - First Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): FOOD SAFETY AND MICROBIOLOGY**
Fee(s): $35 - Covers Fees for the academic year and Includes FCCLA fees
Baking and Pastry Arts is designed to equip students with the principles and techniques of baking and pastry-making from fundamentals to the latest trends. The course includes baking technologies, equipment, preparation procedures, production methods, pastry methods, science of bread baking, confections and desserts, showpieces, cost control, food safety, and presentation techniques. This course requires a fully-equipped, school-based commercial kitchen with food service and dining areas.

CTE LAB IN HOSPITALITY & TOURISM *(16097G1002) - Second Semester*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): BAKING & PASTRY ARTS**
CTE Lab in Hospitality and Tourism is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.

Students enrolled in the Culinary Academy have the opportunity to earn certification in the following areas:
- ServSafe Manager
- Guest Services Professional

Cyber Security Academy

The Cyber Security Academy, introduces students to the broad field of Cyber Security. Students learn multiple numbering systems, become familiar with Microsoft Windows, and LINUX operating systems. They learn networking, vulnerability assessment, and cyber forensics. Students participate in the national CyberPatriot competition. Opportunities also exist for student internships and industry recognized certifications. Cyber Security is designed to be a college preparatory high school program and thus, should provide a rigorous, but accessible, introduction to cyber security.

*Students must apply and be accepted into the Academy.

Classes will be held at TBA times after the regular school day (AP Excluding Computer Science Principles).

INFORMATION TECHNOLOGY FUNDAMENTALS *(10001G1000) – **CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***

Grade: 9 **Credit:** 1.0
Fee(s): $35 – CyberPatriot Fees and SkillsUSA Fees
Information Technology Fundamentals introduces the knowledge base and technical skills for information technology careers. The course presents the basics of computer technology and the functions of information systems. Topics include applications and software, infrastructure, database fundamentals, security, and software development. Emphasis is placed on maintaining a safe working environment and on building technology skills needed for working in the information technology environment. This course is weighted 10 points on a 100-point scale.

CYBER SECURITY I *(10020G1011)*
Grade: 10 **Credit:** 1.0 **Prerequisite(s): INFORMATION TECHNOLOGY FUNDAMENTALS**
Fee(s): $35 - SkillsUSA and CyberPatriot
Cybersecurity I is designed to provide an entry into the quickly growing field of cybersecurity. It focuses on building key concepts and exploring the range and scope of the cybersecurity field. The course also looks at best practices, the importance of maintaining a high level of ethical behavior, the provisions and rationale for government regulations and laws, and the consequences of failure to abide by these rules. The course builds on students' basic knowledge of computers and networks to create a deeper understanding of how computer systems, devices, and other networks are interconnected through secure data networks. This course will continue to help prepare students for industry-level exams. This course is weighted 10 points on a 100-point scale.

***AP COMPUTER SCIENCE PRINCIPLES (10019E1000)**
Grade: 11, 12 Credit: 1.0
College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Students taking the course should be strong math students. This course may satisfy 3rd or 4th science credit or 4th math credit.

CYBER SECURITY II *(10020G1012)*
Grade: 11 **Credit:** 1.0 **Prerequisite(s): CYBER SECURITY I**
Fee(s): $35 - SkillsUSA and CyberPatriot
Cybersecurity II is aimed at providing students with an in-depth look into what it means to be a cybersecurity professional. Emphasis is placed on best practices for secure networking and computing, along with other practical exercises for developing security standards that govern organizational compliance, risk management, access control, and identity management. Students will have the opportunity to prepare for a core industry standard certification exam related to security and can use these techniques, tools, and methodologies to prepare for a career within the cybersecurity field. This course is weighted 10 points on a 100-point scale.

CYBER SECURITY III *(10020G1013)*
Grade: 12 **Credit:** 1.0 **Prerequisite(s): CYBER SECURITY II**
Fee(s): $35 - SkillsUSA and CyberPatriot
Cybersecurity III is designed to prepare students to enter into the specialized professions of cybersecurity analysis, network penetration testing, cybersecurity forensics, and related careers, including law enforcement support at the local, state, and federal levels. This course highlights the required technical training and aims to prepare students for the appropriate industry certification exams. The course focuses on the frameworks, tools, regulations, and techniques involved in this field along with emphasis on both offensive and defensive security. This course is weighted 10 points on a 100-point scale.

Students enrolled in the Cyber Security Academy have the opportunity to earn certification in the following areas:

- CompTIA A+
- CompTIA Network+
- CompTIA Security+
- CompTIA IT Fundamentals
- CompTIA Linux+ Powered by LPI
- Certified Ethical Hacker

Educator Training Academy

This program provides students with knowledge and skills needed for teaching and professional training consultant careers. Courses provide an overview of teaching and learning theories; curriculum development; teaching techniques; instructional resources and the use of technology; types of assessments; classroom management strategies; and ethics and professionalism. This new academy will be located on the campus of the Career Academies of Decatur.

*Students must apply and be accepted into the Academy.

MARKETING PRINCIPLES *(12164G1001)* ***– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***
Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues

Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.

FOUNDATIONS IN EDUCATION *(19151G1001) – First Semester*
Grade: 10, 11 **Credit:** 1.0 **Prerequisite(s): MARKETING PRINCIPLES RECOMMENDED**
Fee(s): $35 - Covers Fees for the academic year and Includes FCCLA fees
Foundations in Education is the foundational course for both the Educators in Training and the Early Childhood Education programs. It presents a broad overview of the work of education professionals, the history of education, the roles and responsibilities of educators, strategies for creating and presenting engaging lessons and activities, methods of measuring student progress, and the domains of development. Foundations in Education is the gateway to specialized courses and internship opportunities in the Education and Training cluster. Observation opportunities are strongly encouraged.

PRACTICES IN EDUCATION *(19152G1001)* OR **EARLY CHILDHOOD EDUCATION** *(19153G1030) – Second Semester*
Grade: 10, 11 **Credit:** 1.0 **Prerequisite(s): FOUNDATIONS IN EDUCATION**
Practices in Education is designed to equip students with the skills and strategies necessary for providing effective classroom instruction. This course explores the following key topics: community partners and resources, teaching standards, characteristics of professionalism, professional organizations, instructional strategies, and planning and delivery of instruction. The course content is intended to give students a deeper understanding of the practice of teaching and to provide skills they can apply across many fields.
OR
Early Childhood Education is designed to introduce students to the concepts and skills needed to pursue a career educating children from birth through age five. It focuses on seven key topics vital to early childhood education: human development, health and safety, learning environment, classroom practices, observation and assessment, professionalism, and program management. Within each of these topics, the course presents the science of child development and provides opportunities for students to apply skills that will prepare them for working with young children.

METHODS IN EDUCATION *(19152G1002) – First Semester*
Grade: 12 **Credit:** 1.0 **Prerequisite(s): PRACTICES IN EDUCATION** or **EARLY CHILDHOOD EDUCATION**
Fee(s): $35 - Covers Fees for the academic year and Includes FCCLA fees
Methods in Education focuses on the role of educators as facilitators of learning. Students will explore the methods and strategies that enhance learning, as well as current trends in education and instructional technology. This course strongly emphasizes the sciences of literacy and numeracy. Students will apply their learning in the classroom and create research-based lessons and activities for a variety of populations.

EDUCATION TRAINING AND INTERNSHIP *(19198G1000) – Second Semester*
Grade: 12 **Credit:** 1.0 **Prerequisite(s): METHODS IN EDUCATION**
Education and Training Internship provides students with the opportunity to experience classroom teaching firsthand through an internship with a cooperating teacher. Standards require students to create and demonstrate lessons, collaborate with education professionals, and provide instruction and support students in their internship classroom. This course is designed to provide future education professionals with valuable hands-on
experience in the field.

Students enrolled in the Educator Training Academy have the opportunity to earn certification in the following areas:
- Child Development Associate (CDA)
- Teaching Strategies Gold

Engineering Design and Advanced Manufacturing Academy

Engineering Design & Advanced Manufacturing is designed for students interested in engineering and related advanced manufacturing fields. Students will gain valuable knowledge and develop marketable skills that will greatly benefit them in a future engineering or manufacturing profession. Students are taught how to design, build, and test the designs in real-world situations. These courses require higher-level thinking skills to solve open-ended design and manufacturing problems. Emphasis is placed on mechanical and 3D design.

*Students must apply and be accepted into the Academy.

FOUNDATIONS OF ENGINEERING AND TECHNOLOGY *(21005G1000)* ***– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***
Grade: 9-10 **Credit:** 1.0 **Prerequisite(s):** None

Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA fees

Foundations of Engineering and Technology offers students an exploratory view of the engineering profession and the fundamental skills utilized in the field. Students investigate various engineering disciplines and related career paths. Students will develop leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles used in problem-solving as they use the engineering design process. Upon completion of this course students may be ready to earn a credential in a Computer-Aided Design (CAD) software such as Autodesk Inventor, SolidWorks, or SolidEdge.

APPLICATIONS OF ENGINEERING AND TECHNOLOGY *(21002G1000)* – ***EMBEDDED MATH CREDIT***

Grade: 9-10 **Credit:** 1.0 **Prerequisite(s): FOUNDATIONS OF ENGINEERING AND TECHNOLOGY**

Applications of Engineering and Technology offers students an investigative view of the engineering profession and the fundamental skills utilized in the field. Students continue investigating engineering disciplines and related career paths. Students will expand leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles used in problem-solving through the engineering design process. Students also work to create an F24 racecar utilizing advanced manufacturing technologies and compete at GreenpowerUSA events.

ENVIRONMENTAL ENGINEERING *(21014G1000)* **–** ***EMBEDDED SCIENCE CREDIT***

Grade: 10-11 **Credit:** 1.0 **Prerequisite(s): APPLICATIONS OF ENGINEERING AND TECHNOLOGY**

Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA fees

This course builds on the skills introduced through Environmental Engineering and is designed to offer students an overview of environmental sustainability. It allows students to explore training, education, and career opportunities related to environmental engineering. Students will investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these real-life challenges. Students also work to create a more advanced F24 race car utilizing additive manufacturing technologies and compete at GreenpowerUSA events. And finally, students will describe the careers associated with environmental engineering and what roles they play in society.

CTE LAB IN STEM *(21997G1000)*

Grade: 10-11 **Credit:** 1.0 **Prerequisite(s): ENVIRONMENTAL ENGINEERING**

CTE Lab in STEM enhances the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment. Students work to create a more advanced F24 racecar utilizing advanced manufacturing technologies and compete at GreenpowerUSA events.

CAREER PATHWAY PROJECT IN STEM *(21047G1001)*

Grade: 12 **Credit:** 1.0 **Prerequisite(s): CTE LAB IN STEM**

Fee(s): $35 - Covers Fees for the academic year and Includes SkillsUSA fees

Career Pathway Project (CPP) for STEM is a capstone course designed for students who have completed two or more career and technical education courses in Science, Technology, Engineering, and Mathematics. This course allows students to utilize their secondary coursework through an experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

Students work to create a customized F24 racecar utilizing advanced manufacturing technologies and compete at GreenpowerUSA events. **THIS COURSE INCLUDES THE LOCKHEED MARTIN PRE-APPRENTICESHIP PROGRAM.**

CAPSTONE OF ENGINEERING *(21047G1000)*

Grade: 12 **Credit:** 1.0 **Prerequisite(s): CAREER PATHWAY PROJECT IN STEM**

Capstone of Engineering and Technology allows students to expand and apply previous knowledge to solve engineering problems. In this course, students will conduct research and develop solutions to complete a capstone project in the engineering field. Project-based learning reinforces the application of science, technology, engineering, and mathematics (STEM) concepts and skills. Technology applications are utilized in this course to enable students to visualize, model, prototype, solve, and report on comprehensive design problems. Collaboration and teamwork are vital components of producing the capstone project. **THIS COURSE INCLUDES THE LOCKHEED MARTIN PRE-APPRENTICESHIP PROGRAM.**

Students enrolled in the Engineering Design & Advanced Manufacturing Academy have the opportunity to earn certification in the following areas:

- SolidWorks Certified Associate

EVENT PLANNING, MARKETING, & MANAGEMENT – REACH & TEACH

Reach and Teach is an educational program geared toward business, marketing, and career tech students in grades 9-12. The Reach and Teach program is the ultimate project-based learning experience. Through Reach and Teach, students not only gain content knowledge, but also essential life skills, such as communication and teamwork. High school students learn entrepreneurship, business & marketing by planning, promoting, and executing a real concert.

MARKETING PRINCIPLES (12164G1001) **– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A**

Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues

Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.

HOSPITALITY MANAGEMENT AND MARKETING (12159G1001) **– First Course-Year Long**
Grade: 10-12 **Credit:** 1.0 **Prerequisite(s): MARKETING PRINCIPLES RECOMMENDED**
Fee(s): $20 DECA dues
Hospitality Management and Marketing emphasizes skills needed for ownership, management, or employment in the growing hospitality and tourism industry. Standards are designed to develop a leadership perspective about social, environmental, economic, legal, human resource, customer relations, and consumer factors impacting the hospitality industry. The course also focuses on the marketing aspect of hospitality and tourism, including sales, promotions, advertising, and public relations.

CTE LAB IN MARKETING-CONCERT AND EVENT PLANNING (12197G1002) **– Second Course-Year Long**
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s): HOSPITALITY MANAGEMENT AND MARKETING**
Fee(s): $20 DECA dues
CTE Lab in Marketing is designed to enhance the student's general understanding and mastery of content in the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.

CAREER PATHWAY PROJECT IN MARKETING-CONCERT AND EVENT PLANNING (12197G1003) **– Third Course-Year Long**
Grade: 12 **Credit:** 1.0 **Prerequisite(s): CTE LAB IN MARKETING-CONCERT AND EVENT PLANNING**
Fee(s): $20 DECA dues
CTE Lab in Marketing is designed to enhance the student's general understanding and mastery of content in the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.

*****Students will meet every other day on the alternating block schedule.

Fashion @ AHS

This program is for students who are interested in pursuing careers in the fashion and retail industry. Courses provide students with knowledge of fashion, fashion design, apparel and textile design technology, and fashion business operations, media, and merchandising.

*Students must apply and be accepted into the Academy.

FAMILY AND CONSUMER SCIENCES *(19251G1000)* ***– CTE FOUNDATION COURSE***
Grade: 9 **Credit:** 1.0 **Prerequisite(s):** None
Fee(s): $30, includes FCCLA fee

A one-credit course that provides students with core knowledge and skills in the areas of marriage and family, parenting and caregiving, consumer sciences, apparel, housing, food and nutrition, and technology. A school-based laboratory is required for this course.

FASHION *(05190G1001)*
Grade: 10 **Credit:** 1.0 **Prerequisite(s):** Family and Consumer Sciences
Fee(s): $30, includes FCCLA fee
A one-credit course designed to introduce students to the selection and care of clothing and accessories for individuals and families throughout the life span. A school-based laboratory is required for this course.

FASHION DESIGN *(05190G1002)*
Grade: 11 **Credit:** 1.0 **Prerequisite(s):** Fashion
Fee(s): $30, includes FCCLA fee
A one-credit course designed for students interested in pursuing a career in fashion design. It provides students with knowledge and skills for application of artistic expression related to textiles, apparel, and fashion design. A fashion design studio is the required school-based laboratory for this course.

Students enrolled in the Fashion Academy have the opportunity to earn certification in the following areas:

- ASK Institute – Concepts of Entrepreneurship and Management
- ServSafe- Manager

Food, Wellness, and Dietetics (@ Decatur & Austin Campuses)

This program is for students who are interested in pursuing careers in nutrition, wellness, and health and disease prevention. Courses provide students with knowledge in event planning, photographic styling applications, social media and design techniques, developing and adapting food products for marketing and specific nutrition needs, meal planning, food safety, and the scientific investigation of production, processing, preparation, evaluation, and utilization of food.

**Students must apply and be accepted into the Academy.*

FAMILY AND CONSUMER SCIENCES *(19251G1000)* ***– CTE FOUNDATION COURSE***
Grade: 9 **Credit:** 1.0 **Prerequisite(s):** None
Fee(s): $30 class fee, includes FCCLA fee
A one-credit course that provides students with core knowledge and skills in the areas of marriage and family, parenting and caregiving, consumer sciences, apparel, housing, food and nutrition, and technology. A school-based laboratory is required for this course.

COOKING AND NUTRITION *(19252G1000)*
Grade: 10 **Credit:** 1.0 **Prerequisite(s):** Family and Consumer Sciences
Fee(s): $30 class fee, includes FCCLA fee
A one-credit course designed to enable students to explore the relationship between food, nutrition, fitness, and wellness. Students learn how to select and prepare nutritious foods. A school-based laboratory is required for this course.

FOOD SCIENCE *(19254G1001)*
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s):** Family and Consumer Sciences
Fee(s): $30 class fee, includes FCCLA fee
Food Science is a one-credit course that can be used as a **science credit or career tech credit**. It is a specialized area of study that provides an in-depth study of the application of science principles to scientific investigation of the production, processing, preparation, evaluation, and utilization of food. Students apply the scientific method to study scientific concepts and theories in the context of nutrition and foods. While achieving academic standards and competencies in the area of chemistry, biochemistry, biology, and physics at the analysis, synthesis, and evaluation levels. Students develop critical-reasoning and mathematics and writing skills through a variety of higher-level learning strategies and laboratory experiments that require measuring, recording, graphing, and analyzing data; predicting and evaluating laboratory results; and writing laboratory reports. The course highlights nutrition concepts and explores the various relationships between food science and nutrition.

FOOD INNOVATIONS AND MEDIA *(19999G1000)*
Grade: 11 **Credit:** 1.0 **Prerequisite(s):** COOKING AND NUTRITION
Fee(s): $30 class fee, includes FCCLA fee
Course content provides opportunities for students to explore global food systems; examine trends in food processing and food innovations; research influences on purchasing behavior of consumers; develop and analyze recipes for new food products through experimental food labs; apply social media and digital design techniques, photographic styling applications, and journalism skills; and explore career options in this specific food industry.

SPORTS NUTRITION *(19253G1001)*
Grade: 12 **Credit:** 1.0 **Prerequisite(s):** FOOD INNOVATIONS AND MEDIA
Fee(s): $30 class fee, includes FCCLA fee
This course examines the relationship between nutrition, physical performance, and overall wellness. Students will learn how to choose nutritious foods for healthy lifestyles and peak performance. Health and disease prevention through nutrition, physical activity, and wellness practices are essential components of the course. This course emphasizes the metabolic process and management of food choices for optimal health and physical performance. Students are challenged to develop personal fitness and nutrition plans.

Students enrolled in the Food, wellness, and Dietetics Academy have the opportunity to earn certification in the following areas:

- Guest Service Professional
- ServSafe- Manager

Medical Career Academy – Update 2/23/2023

The Health Science Program instructional content incorporates project- and problem-based healthcare practices and procedures to demonstrate knowledge and skills fundamental to a variety of healthcare careers.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science career cluster affiliate with HOSA.

*Students must apply and be accepted into the Academy.

FOUNDATIONS OF HEALTH SCIENCE (14002G1001) – **CTE FOUNDATION COURSE**
Grade: 9 **Credit:** 1.0 **Prerequisite(s):** None
Fee(s): $35 class fee, includes $20 HOSA dues
Foundations of Health Science can be substituted for the required health credit for graduation.
A one-credit foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills. This course is a prerequisite to all courses in the Health Science cluster.

MEDICAL TERMINOLOGY (14154G1000)
Grade: 10, 11 **Credit:** 1.0 **Prerequisite(s):** FOUNDATIONS OF HEALTH SCIENCE
Fee(s): $35 class fee, includes $20 HOSA dues
A one-credit course designed for students to develop health care-specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language by incorporating medical terminology with anatomy and physiology and the disease process.

THERAPEUTIC SERVICES (14099G1000)
Grade: 11, 12 **Credit:** 1.0 **Prerequisite(s):** FOUNDATIONS OF HEALTH SCIENCE
Fee(s): $35 class fee, includes $20 HOSA dues
A one-credit course that introduces students to occupations and functions in the therapeutic services pathways. Careers in this area include nursing, medicine, physical therapy, surgical technology, respiratory therapy, emergency medical technician, and more.

HUMAN BODY STRUCTURES AND FUNCTIONS (14299G1001) - **SCIENCE CREDIT ELIGIBLE**
Grade: 11, 12 **Credit:** 1.0 **Prerequisite(s):** FOUNDATIONS OF HEALTH SCIENCE
Fee(s): $35 class fee, includes $20 HOSA dues ($15 Fee if 2nd Medical Career Academy Class)
A one-credit course designed to help students learn care content that emphasizes the structure and functions of cells, tissues, organs, organization of the human body systems, and medical terminology. Scientific processes, problem-based learning and critical thinking are integral parts of the course. This course is equal to a science credit for 11th or 12th grade year. Course is held at the Career Academies of Decatur. ***"This course satisfies all requirements for an Advanced Academic Endorsement Diploma and National Junior Honor Society. In addition, this course is weighted."***

HEALTH SCIENCE INTERNSHIP (14298G2000)
Grade: 12 **Credit:** 2.0 **Prerequisite(s):** INSTRUCTOR APPROVAL
Fee(s): $30 class fee, $15 malpractice insurance, $20 HOSA dues, school scrub uniform, white shoes, and watch with a second hand
A two-credit course focusing on basic knowledge and skills necessary for beginning health care workers. Health Science Internship reinforces and applies knowledge learned in classroom and laboratory settings.

Students enrolled in the Medical Career Academy have the opportunity to earn certification in the following areas:

- Certified Patient Care Technician (CPCT)
- Certified EKG Technician (CET)
- Certified Pharmacy Technician (CPhT)

Precision Machining Academy

Precision machinists set up and operate a variety of machine tools to produce precision parts and instruments. The precision machining curriculum includes necessary skills for students to fabricate, modify, or repair mechanical instruments.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Manufacturing cluster affiliate with SkillsUSA.

*Students must apply and be accepted into the Academy.

MARKETING PRINCIPLES *(12164G1001)* ***– CTE FOUNDATION COURSE: EMBEDDED CREDIT-CAREER PREP A***
Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues
Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.

INTRODUCTION TO PRECISION MACHINING (13203G1001) – First Semester
Grade: 10 **Credit:** 1.0 **Prerequisite(s):** None
Fee(s): $35 - Includes SkillsUSA $20
Introduction to Precision Machining provides an introduction to high-skills manufacturing processes and job opportunities for students who are considering careers in manufacturing. Topics include print reading, drill press, power saws, and benchwork. Safety is also strongly emphasized.

INTRODUCTION TO LATHE (13204G1002) – Second Semester
Grade: 10 **Credit:** 1.0 **Prerequisite(s):** INTRODUCTION TO PRECISION MACHINING
Fee(s): $10
Introduction to Lathe emphasizes skills and techniques for using a lathe to perform cutting, center drilling, threading, knurling, and turning operations. Safety is a prime consideration in this course.

MILLING AND SURFACE GRINDER I (13203G1008) – First Semester
Grade: 11 **Credit:** 1.0 **Prerequisite(s):** INTRODUCTION TO LATHE
Fee(s): $35 - Includes SkillsUSA $20
Milling and Surface Grinder I provides an introduction to the skills needed to operate milling machines and surface grinders. Topics include milling and grinding safety, operation, and techniques. Student instruction in manufacturing reflects the national skills standards of the National Tooling and Machining Association (NTMA) and the National Institute for Metalworking Skills (NIMS).

INTERMEDIATE LATHE AND BENCHWORK (13204G1004) – Second Semester
Grade: 11 **Credit:** 1.0 **Prerequisite(s):** MILLING AND SURFACE GRINDER
Fee(s): $10
Intermediate Lathe and Benchwork is designed to further the development of critical thinking and skills for lathe and bench work. Topics include lathe maintenance, lathe operations, and benchwork operations. Student instruction in manufacturing reflects national skill standards of the National Tooling and Machining Association (NTMA) and the National Institute for Metalworking Skills (NIMS).

COMPUTER NUMERICAL CONTROL I (13203G1006) – First Semester
Grade: 12 **Credit:** 1.0 **Prerequisite(s):** INTERMEDIATE LATHE AND BENCHWORK
Fee(s): $35 - Includes SkillsUSA $20
Computer Numerical Control (CNC) I provides an introduction to the operation of Computer Numerical Control machinery used in manufacturing. Topics include CNC programming and CNC operations. Standards are based on the National Institute for Metalworking Skills (NIMS) Level I CNC Mill and NIMS Level I CNC Lathe.

COMPUTER NUMERICAL CONTROL II (13203G1007) – Second Semester
Grade: 12 **Credit:** 1.0 **Prerequisite(s):** COMPUTER NUMERICAL CONTROL
Fee(s): $10
Computer Numerical Control (CNC) II i s designed to further develop students' skills using Computer Numerical Control machinery, with application of critical-thinking skills coupled with principles of science, mathematics, and safety. Topics include advanced CNC programming, setup, and proper operations. Skills from the National Tooling and Machining Association (NTMA) and National Institute for Metalworking Skills (NIMS) are incorporated into the standards. This course may be taken in the Modern Manufacturing program.

*Students enrolled in the Precision Machining Academy have the opportunity to earn certification in the following areas:

- NIMS Level 1 Measurement, Materials & Safety
- NIMS Level 1 Job Planning, Benchwork & Layout
- NIMS Level 1 Manual Milling Skills I
- NIMS Level 1 Turning Operations: Turning Between Centers
- NIMS Level 1 Turning Operations: Turning Chucking Skills
- NIMS Level 1 Grinding Skills I
- NIMS Level 1 Drill Press Skills I
- NIMS Level 1 CNC Turning: Programming Setup & Operations
- NIMS Level 1 CNC Milling: Programming Setup & Operations
- NIMS Level 1 CNC Turning: Operations
- NIMS Level 1 CNC Milling: Operations

Sports Medicine Academy

The Sports Medicine Academy is designed for students interested in fields such as athletic training, physical therapy, medicine, fitness, exercise physiology, kinesiology, nutrition and other sports medicine related fields.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science career cluster affiliate with HOSA.

*Students must apply and be accepted into the Academy.

FOUNDATIONS OF HEALTH SCIENCE *(14002G1001) – **CTE FOUNDATION COURSE***
Grade: 9 **Credit:** 1.0 **Prerequisite(s):** None
Fee(s): $35 class fee, includes $20 HOSA dues
Foundations of Health Science can be substituted for the required health credit for graduation.
A one-credit foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills. This course is a prerequisite to all courses in the Health Science cluster.

SPORTS MEDICINE I (*14062G1010*)
Grade: 10 **Credit:** 1.0 **Prerequisite(s):** INTRO TO MEDICAL CAREER PATHWAYS
Fee(s): $35 class fee, includes $20 HOSA dues
Sports Medicine Intermediate is a one-credit course that teaches fundamental skills to include therapeutic exercise regimens within the field of sports medicine. Students will explore the study of sports medicine and the relationship to risk management and injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The importance of health promotion, wellness, injury and disease prevention will be emphasized. Students will examine sports medicine facilities, policies, procedures, and protocols utilized in patient care.

SPORTS MEDICINE II (*14062G1011*)
Grade: 11 **Credit:** 1.0 **Prerequisite(s):** SPORTS MEDICINE I
Fee(s): $35 class fee, includes $20 HOSA dues
Sports Medicine Advanced is a one-credit course with strong emphasis on musculoskeletal injuries as well as the psychological and sociological responses to injuries and illnesses. Students will demonstrate critical thinking skills, patient care skills related to prevention, rehabilitation, and management, and communicate appropriate outcomes through oral and written communication. Course content will include an understanding of basic pathophysiology, kinesiology, and principles of treatment. An analysis of a variety of health situations involved in the sports medicine pathway will be conducted through project-based learning, laboratory, simulation, and clinical experiences.

SPORTS MED INTERNSHIP (14298G2000)
Grade: 12 **Credit:** 2.0 **Prerequisite(s):** SPORTS MEDICINE II and Instructor Approval
Fee(s): $30 class fee, $15 malpractice insurance, $20 HOSA dues, school scrub uniform, white shoes, and a watch with a second hand
A two-credit course focusing on basic knowledge and skills necessary for beginning health care workers. Health Science Internship reinforces and applies knowledge learned in classroom and laboratory settings

Students enrolled in the Medical Career Academy have the opportunity to earn certification in the following areas:
- Certified Patient Care Technician (CPCT)
- Certified EKG Technician (CET)

Welding Academy

Welding is a highly skilled industry that can take you places all over the world. From ladders to aircraft carriers, from NASCAR to national defense, and from the laboratory to sales and repair, the varied welding industry impacts virtually every industry. Technology is creating more uses for welding in the workplace. For example, new ways are being developed to bond dissimilar materials and non-metallic materials, such as plastics, composites, and new alloys. Also, advances in laser beam and electron beam welding, new fluxes, and other new technologies and techniques all point to an increasing need for highly trained and skilled workers. This program aligns with NCCER's four-level curriculum covering topics such as Oxy Fuel Cutting, Welding Symbols, and Stainless-Steel Groove Welds. NCCER's curriculum also correlates to the AWS standards and guidelines for an Entry Welder.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Architecture and Construction career cluster affiliate with SkillsUSA.

*Students must apply and be accepted into the Academy.

MARKETING PRINCIPLES (12164G1001) **– CTE FOUNDATION COURSE**
Grade: 9 **Credit:** 1.0 **Fee(s):** $20 DECA dues
A one-credit course designed to provide students with an overview of in-depth marketing concepts. Students develop a foundational knowledge of marketing and its functions, including marketing information management, pricing, product and service management, entrepreneurship, and promotion and selling.

ARCHITECTURE AND CONSTRUCTION FOUNDATIONS - WELDING (17002G1002) – First Semester **Replaces- NCCER WELDING 1 (13207G1014)
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s):** CTE FOUNDATION COURSE
Fee(s): $35 - Includes SkillsUSA $20
Architecture and Construction Foundations is the foundational course for the Architecture and Construction career cluster. It is the first step in any of the three pathways (Construction, Design and Preconstruction, or Maintenance and Operations). Topics include construction mathematics; hand and power tools; construction drawings, specifications, and layout; communication; and material handling.

SAFETY AND HEALTH REGULATIONS (17049G1000) – Second Semester **Replaces-NCCER WELDING 2 (13207G1024)
Grade: 10-11 **Credit:** 1.0 **Prerequisite(s):** ARCHITECTURE AND CONSTRUCTION FOUNDATIONS - WELDING
Fee(s): $10
Safety and Health Regulations are designed to provide students with information on the importance of government and industry regulations as well as individual responsibilities for performing activities safely. Students identify common safety hazards found in the workplace and examine their own roles in minimizing and avoiding unsafe practices. Specific topics include flammable and combustible liquids, emergency egress and fire protection, electrical safety, environmental control, machine guarding, tool safety, first aid, hazard communication, personal protective equipment, walking and working surfaces, and material handling and storage. This entry-level course may be taken in any program within the Manufacturing cluster.

WELDING: SMAW I (13207G1001) – First Semester **Replaces-NCCER WELDING 3 (13207G1024)
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s):** ARCHITECTURE AND CONSTRUCTION FOUNDATIONS-WELDING
Fee(s): $35 - Includes SkillsUSA $20
Welding: SMAW I is designed to provide a fundamental understanding of welding safety and basic shielded metal arc welding (SMAW) equipment and procedures. Standards are designed to equip students with knowledge and skills for setting up equipment, preparing surfaces, and performing safe oxy-fuel cutting and welding. Personal protective clothing is required for this course.

WELDING: SMAW II (13207G1002) – Second Semester **Replaces-NCCER WELDING 4 (13207G1034)
Grade: 11-12 **Credit:** 1.0 **Prerequisite(s):** WELDING: SMAW I
Fee(s): $10
Welding: SMAW II presents information and skills needed to weld pipes and plates of various kinds. Topics include SMAW open-root pipe welds, plate welding, and stainless steel and carbon steel welding. The course also incorporates information about gas tungsten arc (tungsten inert gas) welding. Personal protective clothing is required for this course.

WELDING: GMAW AND FCAW (13207G1003) – First Semester
Grade: 12 **Credit:** 1.0 **Prerequisite(s):** WELDING: SMAW II
Fee(s): $35 - Includes SkillsUSA $20
Welding: GMAW and FCAW introduce metal arc and flux-cored arc welding processes. Emphasis is placed on safe operating practices, handling, and storage of compressed gasses. Process principles, component identification, various welding techniques, and base and filler metal identification are introduced. This course aims to prepare students to perform GMAW and FCAW welds in various positions. Personal protective clothing is required for this course.

CAREER PATHWAY PROJECT IN ARCHITECTURE AND CONSTRUCTION – WELDING (17017G1000)
Grade: 12 **Credit:** 1.0 **Prerequisite(s):** WELDING: GMAW AND FCAW
Fee(s): $10
Career Pathway Project in Architecture and Construction is a capstone course designed for students who have completed two or more Career and Technical Education credits in the Architecture and Construction Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

During the CPP, the student works with his or her coordinating teacher, academic teachers, and a product or process mentor who has expertise in the student's field of study. At the conclusion of the CPP, the student presents or demonstrates the knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the mentor, peers, and community and business representatives.

Students enrolled in the Welding Career Academy have the opportunity to earn certification in the following areas:

- AWS Certifications (one or more areas)
- OSHA 30
- NCCER Core & NCCER Welding 1
- Skid Steer – Skills for Success

Work-Based Learning

Work-Based Learning is a structured component of the Career and Technical Education (CTE) curriculum that integrates classroom instruction with productive, progressive, supervised, work-based experiences/apprenticeships (paid) and internships (unpaid) that may be related to the student's career objectives. Content is planned for students through a cooperative arrangement between the school and employer as a component of work-based learning.

Work-Based Experiences/Apprenticeships are paid work experiences and Work-Based Experiences/Internships are unpaid work experience for eligible 11th and 12th grade students. Student work hours and wages earned are monitored and documented by the student, employer, and the coordinator. Students may earn one or more credits; 140 hours is required for each credit earned.

Students must apply to participate in Work-Based Learning. The requirements for participating are listed below.

Requirements:

- Eligible 11th and 12th grade students.
- Earned College and Career Ready Status.
- **Work-Based Learning will not be placed on a student's schedule until the application process is complete and the student is approved by the Work-Based Learning Coordinator.**
- Student is at least 16 years of age.
- It is recommended, but not required, that a student obtain concentrator status, (two courses within a CTE program) prior to enrollment in cooperative education. Students who have not obtained concentrator status must have successfully completed a minimum of one CTE credit or a career preparedness course.
- Students must have a clearly defined career objective.
- Students have an acceptable attendance, grade, and discipline record as validated by the Coordinator (Minimum 2.0 GPA).
- Possesses the knowledge, skills, behavioral qualities, and abilities required for successful employment.
- Have three educator recommendations that may include the teacher of the career cluster course, if applicable.

COOPERATIVE EDUCATION WORK-BASED EXPERIENCE – FIRST CREDIT *(22998G1014)*
Grade: 11-12 **Credit:** 1.0
A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.

COOPERATIVE EDUCATION WORK-BASED EXPERIENCE – SECOND CREDIT *(22998G1024)*
Grade: 11-12 **Credit:** 1.0
A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.

COOPERATIVE EDUCATION WORK-BASED EXPERIENCE – THIRD CREDIT *(22998G1034)*
Grade: 11-12 **Credit:** 1.0
A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.

COOPERATIVE EDUCATION WORK-BASED EXPERIENCE – FOURTH CREDIT *(22998G1044)*
Grade: 11-12 **Credit:** 1.0
A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.

TECHNICAL DUAL ENROLLMENT

Technical Dual Enrollment options are available through Calhoun Community College and J.F. Drake State Technical College. Both universities offer a wide range of courses. All Dual Enrollment courses come with a tuition requirement. Please see the Career Tech Guidance Counselor for more information if you are interested in pursuing these options.

Dual Enrollment Opportunities are offered in the following Career Academies:

- Automotive Technology
- Barbering
- Construction Technology
- Cosmetology
- Engineering Design & Advanced Manufacturing
- Precision Machining
- Welding

ACADEMY OF CRAFT TRAINING OF NORTH ALABAMA

Academy of Craft Training (ACT) constructs thriving futures for the next generation of skilled trade workers. Provided with personalized mentorship from industry experts and safe hands-on experience, our students gain the skills and confidence they need to succeed.

We represent the commercial construction industry, and partner with the State of Alabama's K-12 Career and Technical Education System to form a uniquely blended private/public program equipped to jumpstart students' careers with local internship followed by job placement opportunities.

At the Academy of Craft Training (ACT), high school students learn valuable trades directly from industry professionals, securing their futures in construction with hands-on experience and job placement opportunities upon graduation.

Decatur City Schools students may Craft Academy for one of the following academies. The students must complete an application for admission and acceptance. A limited number of students are selected to attend Craft Academy from Decatur City Schools and surrounding districts. Transportation is provided for accepted students.

COMMERCIAL CONSTRUCTION
Grades - 10, 11, 12 Credits: 1.0
Physical labor tasks at construction sites May operate hand and power tools of all types—air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, etc.

COMMERCIAL ELECTRICAL CONSTRUCTION
Grades - 10, 11, 12 Credits: 1.0
Installation and maintenance of electrical systems and wiring in businesses, factories, and homes. Use of blueprints to determine locations of circuits, outlets, and load centers, and panel boards. Use of ohmmeters, ammeters, voltmeters, etc. to test connections and ensure components' compatibility and safety.

HVACR & MECHANICAL SYSTEMS
Grades - 10, 11, 12 Credits: 1.0
Installation, service, and repair of heating and air conditioning systems in commercial buildings.

2025-2026 ACT Student Application

CALHOUN EPIC – PROCESS TECHNOLOGY DUAL ENROLLMENT

This dual enrollment academy will be offered beginning fall semester 2024. Students will be able to earn dual enrollment credit through Calhoun Community College's EPIC – Process Technology Program. The course will be taught by a Calhoun instructor at the Career Academies of Decatur on the "B" Schedule.

ADVANCED PLACEMENT INFORMATION (AP DESCRIPTOR)

AP courses are college-level courses endorsed by the College Board in which TIMED ASSESSMENTS ARE ADMINISTERED. All Advanced Placement courses carry the cost of an exam in the spring.

In order to receive weighted credit (10 points) for the AP course students must demonstrate the following:

- Take the AP test administered in May 2025.
- Attend at least 3 supplementary sessions for each AP exam he/she is taking. A minimum of four per course will be offered.
- Commit to completing the requirements of the class.
- Maintain an average of "C" (70%) or above in the AP course.
- Students and parents must sign a contract committing to course completion.
- **Please see AP Contract Below:**

AP CONTRACT 2024-2025

Student Name: _____Class: _____

Description of the Advanced Placement Program:

I. The Advanced Placement program is a nationally recognized program sponsored by the College Board which enables students to complete college-level studies while still in high school, and to obtain college placement or credit on the basis of their performance on Advanced Placement examinations. All Advanced Placement courses carry the cost of an exam in the spring, which is $96 per exam. There will be a reduced charge for students who receive free/reduced lunch.

II. In order to receive weighted credit for the course an AP student will demonstrate the following criteria:

- **a.** Take the AP test administered in May 2025.
- **b.** Attend three teacher led study sessions before or after school at his or her High School.
- **c.** Take the course midterm at the end of the first semester.
- **d.** Commit to completing the requirements of the class.
  Maintain an average of "C" (70%) or above in the AP course.

Return this signed form to your AP teacher by August 17 or 18 (depending on class meeting date). You must fill out a form for each AP course in which you are enrolled.

Student Agreement

My signature below confirms that I understand the expectations of the AP program and accept its academic challenges. I agree to devote my best efforts to complete the course successfully. I understand that my success in the AP course is primarily my responsibility.

Initial beside the option that applies to you

_____I will take the AP exam for this course in May 2025

_____I will not take the AP exam for this course in May 2025, and understand I will not be receiving weighted credit for the course.

_____ _____ _____

Student Signature Printed Name Date Signed

Parent/Legal Guardian Agreement

My signature below confirms that I have read the Advanced Placement Student Expectations. I understand that the course requires increased rigor and challenge and I agree to support and encourage my student to successfully complete all Advanced Placement courses in which he/she is enrolled. I will notify the teacher immediately of any concerns I have relating to the course or my student's progress.

_____ _____ _____

Parent/Legal Guardian Signature Printed Name Date Signed

High School Grading Policy
(Grades 9-12)

ADVANCED	GENERAL ED
70% - (i.e. assessments, projects, research papers/essays, etc.)	**60%** - (i.e. assessments, projects, research papers/essays, etc.)
30% - (classwork, quizzes, etc.)	**40%** - (i.e. classwork, quizzes, etc.)
-or-	{no homework}
70% - (i.e. assessments, projects, research papers/essays, etc.)	-or-
20% - (classwork, quizzes, etc.)	**60%** - (i.e. assessments, projects, research papers/essays, etc.)
10% - (homework)	**30%** - (classwork, quizzes, etc.)
	10% - (homework)
Assessments Teachers are required to give a minimum of three (3) assessments and one (1) Common Assessment per nine weeks. ***Grade Entry*** Teachers should enter grades by Mondays of each week.	

Common Assessments

As of 2020-21, Decatur City Schools will administer district-wide Common Assessments *(9^{th}-11^{th} grades)* to ensure all Alabama Course of Study standards are taught to fidelity. Student data derived from common assessments will further gauge how successful students are in mastering standards. In addition, Common Assessments will be given each 9-weeks and averaged with additional assessments/projects grades. All assessments will be weighted based on the course level (advanced or general).

Academic Dual Enrollment /Dual Credit

Decatur City Schools has established a Memorandum of Understanding with Calhoun Community College, Auburn University (Auburn First) and University of Alabama (Early College) to afford students an opportunity to earn course credit. ***Dual Enrollment / Dual Credit*** is a program which allows eligible high school students, **grades 10 -12**, to enroll in college classes concurrently with high school classes, either at the college campus or at the high school, and receive both high school and college credit.

Parents and students are encouraged to contact the school guidance counselor and visit the links below for more information on Dual Enrollment/Dual Credit options.

- **Calhoun Community College -Calhoun Community College Dual Enrollment**
- **Auburn University (Auburn First) - Auburn University Auburn First Dual Enrollment**
- **University of Alabama (UA Early College) -University of Alabama Early College Dual Enrollment**
- **University of North Alabama**
- **University of Alabama Birmingham**
- **University of Alabama in Huntsville**
- **Alabama State University**
- **Jacksonville State**
- **Wallace State**

Eligibility for Dual Enrollment/Dual Credit

Described in Procedure 801.01: Admission: General, with the exception of proof of high school graduation or GED completion.

A. In the absence of an Alabama driver's license or state-issued ID card, a student receives a certified copy of their birth certificate to establish U.S. citizenship and a printout of the student information profile sheet from iNow signed and dated by their high school principal to establish current residency and identification. The profile sheet must show the student's home address and include the student's photo.
B. Students must be in grade 10, 11, or 12. An exception may be granted by the Chancellor for students documented as gifted and talented in accordance with Alabama Administrative Code §290-8-9.12.
C. Students seeking enrollment in Dual Enrollment for Dual Credit coursework must have a minimum cumulative (unweighted) high school grade point average of 3.0 on a 4.0 scale. Students must have written approval of the appropriate principal or career and technical education program representative (if applicable) and counselor. Dual Enrollment for Dual Credit eligibility for students enrolled in private, homeschool/private tutor, parochial, or church/religious secondary educational entities must be documented in writing by an appropriate school official. Approval from secondary school officials indicates that the student has demonstrated both academic readiness and social maturity.
D. The ACCS institution has the right to restrict a student's enrollment on the basis of academic readiness, social maturity, health and safety concerns, course availability, and/or local institutional policy.

RECLASSIFICATION OF HIGH SCHOOL STUDENTS

HIGH SCHOOL STUDENTS ARE ELIGIBLE FOR RECLASSIFICATION AT THE CONCLUSION OF THE FIRST SEMESTER, SECOND SEMESTER, AND SUMMER SCHOOL OF EACH SCHOOL YEAR.

- ***A STUDENT MAY BE CLASSIFIED AS A SOPHOMORE IF THE STUDENT HAS EARNED SIX (6) CREDITS OVERALL, THREE (3) OF WHICH ARE CORE CURRICULUM CREDITS.****
- ***A STUDENT MAY BE CLASSIFIED AS A JUNIOR IF THE STUDENT HAS EARNED TWELVE (12) CREDITS, SEVEN (7) OF WHICH ARE CORE CURRICULUM CREDITS.****
- ***A STUDENT MAY BE CLASSIFIED AS A SENIOR IF THE STUDENT HAS EARNED EIGHTEEN (18) CREDITS, ELEVEN (11) OF WHICH ARE CORE CURRICULUM CREDITS.****
- ****THE CORE CURRICULUM SUBJECT AREAS ARE: MATH, ENGLISH, SCIENCE, AND SOCIAL STUDIES AS MANDATED BY THE STATE FOR THE ALABAMA HIGH SCHOOL DIPLOMA.***

ALABAMA HIGH SCHOOL DIPLOMA

Language Arts (4 Credits)	***Mathematics (4 Credits)****	***Science (4 Credits)***	***Social Studies (4 Credits)***
English 9 *English 10* *English 11* *English 12*	Click here for information about math requirements under the new Math Course of Study.	*Biology* *A Physical Science* *(2) Additional Sciences*	*World History 9* *U.S. History 10* *U.S. History 11* *Government/Economics*
Physical Education (1 Credit)	***Health Education (0.5 Credit)***	***Career Preparedness (1 Credit)***	**Career and Technical Education (CTE) and/or Foreign Language and/or Arts Education (3 Credits)**
LIFE (Personal Fitness) *One JROTC, Marching Band, or Athletics credit may be used to meet this requirement.*		**Beginning with the incoming 2018-2019 Freshman class Career Preparedness will be substituted by any of the Freshman Career Academy Foundation courses*	Students are encouraged to complete two courses in sequence
Electives (2.5 Credits)		Total Credits Required for Graduation = 24	

DIPLOMA ENDORSEMENT OPTIONS

In order to receive the following endorsements to the Alabama High School Diploma, a student must complete the standard coursework and follow the guidelines for that endorsement.

Advanced Academic Endorsement w/ Honors

- In order to receive this diploma endorsement, a student must complete the academic requirements below and maintain a cumulative numerical average of 90.0 or above in the four core subject areas.
- Language Arts: 4 credits must be advanced level courses taken in the 9th and 10th grades and must be AP or Dual Enrollment courses taken in 11th and 12th grades.
- Mathematics: 4 credits to include the equivalent of: Algebra I with Probabilities, Geometry with Data Analysis, Algebra II w/Statistics, One other Math (Pre-Calculus, AP Calculus, and Dual Enrollment) credit above Algebra II w/Statistics.
- Science: 4 credits must be advanced level courses taken in the 9th and 10th grades and must be AP or Dual Enrollment courses (to include Human Body Structures at the Career Academies of Decatur) taken in 11th and 12th grades.
- Social Studies: 4 credits must be advanced level courses taken in the 9th and 10th grades and must be AP or Dual Enrollment courses taken in 11th and 12th grades.
- CTE Foundation Course: 1 credit
- Physical Education: 1 credit – One JROTC credit may be used to meet this requirement
- Health Education: (½) credit
- CTE and/or Art Education: 1 credit- Students choosing CTE, Arts Education, and or Foreign Language are encouraged to complete two courses in sequence.
- Foreign Language: 2 credits- must be completed in a sequence
- Electives: 3.5 credits

Advanced Academic Endorsement

- In order to receive this diploma endorsement, a student must complete the academic requirements below.
- Language Arts: 4 credits, 2 of the 4 credits must be AP or Dual Enrollment courses taken in the 11th and 12th grades. It is recommended that students take 9th and 10th grade advanced classes.
- Mathematics: 4 credits to include the equivalent of: Algebra I with Probabilities, Geometry with Data Analysis, Algebra II w/Statistics, One other Math credit.
- Science: 4 credits to include the equivalent of: Biology, Chemistry and two additional science credits to include at least one AP or Dual Enrollment course (to include Human Body Structures at the Career Academies of Decatur).
- Social Studies: 4 credits, 2 of the 4 must be AP or Dual Enrollment courses taken in the 10th, 11th or 12th grade.
- CTE Foundation Course: 1 credit
- Physical Education: 1 credit – One JROTC credit may be used to meet this requirement
- Health Education: (½) credit
- CTE and/or Art Education: 1 credit- Students choosing CTE, Arts Education, and or Foreign Language are encouraged to complete two courses in sequence.
- Foreign Language: 2 credits- must be completed in a sequence
- Electives: 3.5 credits

Career/Tech Endorsement with Credential

- To receive this endorsement, the student must complete the same curriculum as the Standard diploma along with the following requirements: Career Tech Academy completer and pass the credential test for subject area.

National Honor Society Membership Information

The aims and requirements of the Austin/Decatur High chapter of the National Honor Society are: **SCHOLARSHIP**: To create an enthusiasm for learning and high standards of scholarship, **LEADERSHIP**: To encourage the development of trustworthy and responsible leadership, **CHARACTER**: To instill exemplary qualities of good character, **SERVICE**: To develop loyalty to school, community, and country through volunteer service efforts

REQUIREMENTS FOR INDUCTION:

1. The faculty council is responsible for the selection of honor society members based on the areas of scholarship, leadership, character, and service.
    a. The students must have a cumulative average of 90.00 or above.
    b. The student must have good conduct as determined by the faculty council.
        i. For all candidates, in consideration of the National Honor Society's character component, the faculty council will examine all high school disciplinary records. Some disciplinary infractions, such as cheating or unauthorized absence from class may result in non-selection. Repeated disciplinary referrals may be considered defiance of authority and may result in non-selection.
        ii. During the council's review of student discipline, the faculty will look at improvement from previous years as a sign of maturity.
    c. The student must exhibit characteristics of good character, but he/she may not be considered if: a. He/she exhibits poor behavior at school in the halls, gymnasium, library, cafeteria, or at any school related or school sponsored activities.
        i. He/she is caught cheating and this instance is documented according to school policy. c. He/she exhibits a disrespectful attitude toward teachers, administrators, other staff members, or the items set forth in the Code of Conduct for the Decatur City Schools.
        ii. He/she has been arrested or ejected from a school function
    d. Students must take grade level or above courses to be considered for membership. Students must have taken or currently be enrolled in Algebra II with Statistics. Students must have taken two years of the same Foreign Language or be currently enrolled in the second year.

REQUIREMENTS FOR MAINTAINING MEMBERSHIP:
The member must:

- Maintain a cumulative grade point percentage of 90.00 or above;
- Maintain a record of good conduct;
- Participate in the chapter projects;
- Attend meetings and complete a minimum of 15 community service hours per year. Pay dues for each year of membership.

PROBATION/ EXPULSION:

- Students who drop below 90.00 will be placed on probation and given one grading period to bring the cumulative grade percentage back to the acceptable level.
- Disciplinary referrals for disrespect, other unacceptable conduct, or Honor Code violations will result in probation or consideration of dismissal (as determined by the faculty council).
- Students placed on probation for either grade deficiency or conduct violations will receive only one warning. Subsequent warnings may result in consideration of dismissal.
- Students who are arrested or ejected from a school function are subject to immediate consideration of dismissal from the NHS.
- In all cases of pending dismissal, a member has a right to a hearing with the faculty council.
- Students who fail to meet requirements during the last grading period of the senior year will not wear the gold stole and tassel at graduation.
- Students who are removed from the NHS will not be reinstated.

NCAA ELIGIBILITY

If you have the desire to compete in sports after high school at the Division I, II, III or not sure which level, you will need to register in the NCAA Eligibility Center at this link https://web3.ncaa.org/ecwr3/ . The eligibility center registration ensures you meet amateur status and are prepared for college-level coursework. There is a registration fee, which can be waived at your request. In addition, you will be required to submit your ACT score directly to the Eligibility Center using your ACT account for a small fee. Finally, your transcript is uploaded by the school counselor at the end of your junior year and during senior year.