

# Dothan City Schools

## COURSE DESCRIPTION GUIDE

### For Grades 9 - 12



*Graduation For All!*

# Dothan City Schools Course Description Guide

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## FOREWORD

This publication is designed as a guide for parents, students, counselors, and teachers to assist in planning high school courses and graduation. Included, you will find course requirements, graduation requirements, Diploma Pathways, and other course information. Consistent with the requirements of the Alabama State Board of Education, Dothan City Schools offers the following diploma:

- Alabama High School Diploma with the following endorsements
  - Advanced Academic Endorsement
  - Alternate Achievement Standards
  - Essentials Skills
  - General Education

Only those students earning the diploma with the Advanced Academic Endorsement will be considered for valedictorian.

**Local Board decisions, changes in State Department guidelines, and changes in State Courses of Study overrule the guidelines and course offerings listed in this book.**

Dothan City Schools will offer, in addition to the required Academic courses set forth by the State Board of Education, elective courses that will satisfy both diploma requirements as well as meet the needs of students and communities. **Many of the courses offered in Dothan City Schools are dependent on human resources, facilities, and demand.** No class will be opened with less than 15 students without the Assistant Superintendent over The Division of Instruction approval. Designated schools may participate in innovative pilot programs and offer courses that may not be described in this guide.

Because the Dothan City Board of Education wishes to meet the needs of all students, Advanced Placement (AP) classes and online learning classes have been implemented in grades 9-12 as well as Dual Enrollment classes for grades 10-12 are offered through Wallace Community College, Troy University Dothan Campus, Alabama Aviation College located at Enterprise State Community College, and University of Alabama Early College.

Careful steps should be taken in planning a student's high school courses. **All students in grades 9-12 will have a full schedule each year regardless of the amount of credits already obtained.** After a diploma option has been chosen, students and guardians still need to review progress on a yearly basis, ensuring that the student is on track to graduate and to reschedule should the student's goals change. This information is contained in the student's individual portfolio.

**Students may Drop/Add a course if the student has a 60 average or below by the first progress report, has no more than two unexcused absences and all assignments are complete.**

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## **Disability and 504 Notification**

Section 504:34 CFR 104.4(a)

Title II: 28 CFR 35.130 (a)

Guidelines IV-N

*"No qualified person with a disability is excluded from, denied benefits of, or subjected to discrimination in any course, program, service, or activity solely on the basis of disability."*

Section 504: 34 CFR 104.34(a)(b)

Title II: 28 CFR 35.130(d)

OCR Guidelines VI-A, 44FR 17167

*"Disabled secondary students with disabilities must be placed in the regular environment of any vocational, academic, or other school program or activity to the maximum extent appropriate to their needs with the use of supplementary aids and services."*

**Dothan City Schools is an equal opportunity employer and does not discriminate on the basis of race, color, religion, sex, national origin, ancestry, age, marital status, or disability in its programs and activities. Dothan City Schools provide equal access to the Boy Scouts and other designated youth groups. A disability will not bar you from employment, if you are able to perform the essential functions of the job for which you apply, with or without reasonable accommodation. The following people have been designated to handle inquiries regarding the non-discrimination policies:**

**Lee Jacobs, Titles II & VI**

**Debra Wright, Title IX**

**Alicia Hales, Section 504 Coordinator & ADA Specialist**

**1665 Honeysuckle Rd Suite 1, Dothan, AL 36305**

**(334) 793-1397**

# **ACADEMICS**

## Alternative Achievement Standards

These courses apply to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.

**01037X1001 AAS: English Language Arts-9 (1 Credit)**

**01037X1002 AAS: English Language Arts-10 (1 Credit)**

**01037X1003 AAS: English Language Arts-11 (1 Credit)**

**01037X1004 AAS: English Language Arts-12 ( 1 Credit)**

**02039X1001 AAS: Mathematics-9 (1 Credit)**

**02039X1002 AAS: Mathematics-10 (1 Credit)**

**02039X1003 AAS: Mathematics-11 ( 1 Credit)**

**02039X1004 AAS: Mathematics-12 (1 Credit)**

**03239X1001 AAS: Science-9 (1 Credit)**

**03239X1002 AAS: Science-10 (1 Credit)**

**03239X1003 AAS: Science-11 (1 Credit)**

**03239X1004 AAS: Science-12 (1 Credit)**

**04439X1001 AAS: Social Studies-9 (1 Credit)**

**04439X1002 AAS: Social Studies-10 (1 Credit)**

**04439X1003 AAS: Social Studies-11 (1 Credit)**

**04439X1004 AAS: Social Studies-12 (1 Credit)**

**08051X1001 AAS: Life Skills - Health-10th Grade (½ Credit)**

**19258X1001 AAS: Life Skills - Career Preparedness (1 Credit)**

**01049X1000 AAS: Reading Beyond - 12th Grade (1 Credit)**

**02039X1005 AAS: Mathematics Beyond - 12th Grade (1 Credit)**

**22251X1005 AAS: Community-Based Instruction Beyond - 12th Grade (1 Credit)**

**19257X1005 AAS: Life Skills Beyond - 12th Grade (1 Credit)**

**22153X1005 AAS: Vocational Beyond - 12th Grade (1 Credit)**

**22250X1005 AAS: Elective Beyond - 12th Grade (1 Credit)**

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## **Required Career Preparedness Courses** *(see Career Technical Ed. section for additional CTE courses)*

### **22153G1000 Career Preparedness (1 Credit)**

A course that is taught in Grades 9-12. The course prepares students with content knowledge and skills in the areas of career development and academic planning, computer skill application, and financial literacy. Also, this course is designed to meet the required 20-hour online experience.

## **Distance Learning through ACCESS** **Website Address: <http://accessdl.state.al.us/>**

ACCESS Distance Learning, an education initiative of the Alabama Department of Education, provides opportunities during the school day for Alabama high school students to engage in courses to which they may not otherwise have access. The web and interactive video-based courses are aligned with the Alabama Courses of Study, and Credits earned through ACCESS are accepted by Dothan City Schools. Fees/costs may apply. Interested students should speak with their school principal and counselor.

## **Drivers Education**

### **08152G1000 Driver and Traffic Safety Education (½ Credit)**

**Fee: \$ 40.00**

Safe driving theory; in-class study; driving hazards; boating safety; behind-the-wheel experience; safety practices.



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## Dual Enrollment Wallace Community College

The following courses are offered on the campus of Dothan High/Dothan Tech:

### **ENG 101: English Composition I**

English Composition I provides instruction and practice in writing 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. This class satisfies the 11th or 12th grade English graduation requirement. **Prerequisite:** Successful completion of ENR 098, or a score of 5-8 or higher on the writing section of the ACCUPLACER test, or a score of 20 or better on the ACT test (or equivalent SAT score)

**Credits: 3 Lab Hours: 0 Lecture Hours: 3**

### **ENG 102: English Composition II**

English Composition II provides instruction and practice in writing at least six (6) 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. This class satisfies the 11th or 12th grade English graduation requirement.

**Prerequisite:** A grade of C or better in ENG 101 or equivalent.

**Credits: 3 Lab Hours: 0 Lecture Hours: 3**

### **HIS 201: United States History I**

This course surveys United States history during the Colonial, Revolutionary, Early National, and Antebellum periods. It concludes with the Civil War and Reconstruction. This class satisfies the 10th grade US History I graduation requirement. **Prerequisite:** Appropriate placement scores.

**Credits: 3 Lab hours: 0 Lecture Hours: 3**

### **HIS 202: United States History II**

This course is a continuation of HIS 201: it surveys United States history from the Reconstruction era to the present. This class satisfies the 11th grade US History II graduation requirement.

**Prerequisite:** Appropriate placement scores.

**Credits: 3 Lab Hours: 0 Lecture Hours: 3**

Other Dual Enrollment courses may be available on campus as demand and resources permit. Please check with your high school counselor for more information.

## Continuous Eligibility for Dual Enrollment

Students who meet the criteria for initial admission for a Dual Enrollment for Dual Credit program will maintain continuous eligibility so long as they earn a grade of C or better in all attempted college courses. Students who fail to meet this minimum grade requirement or who withdraw from a course will be suspended from the program for a minimum of one term. The one-term suspension may not be served during the summer. The student may not re-enroll until the suspension has been served. For re-entry, the student must reapply to the program and must meet the minimum grade point average requirements.

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## English/Language Arts

*The English/Language Arts Department has required courses at each grade level to ensure that each student masters the core curriculum essential to the Language Arts Program.*

### **01001G1000 English 9 (1 Credit)**

This course provides foundational instruction in English language skills, including reading, critical thinking, writing, and speaking in the content areas of literature, grammar, and vocabulary. The literary curriculum consists of world literature (novels, plays, short stories, and poetry) from a variety of eras and cultures.

### **01001H1000 Honors English 9 (1 Credit)**

This course is intended for students who have demonstrated an aptitude in the areas of reading and writing and who have mastered basic grammatical principles. The purpose of this course is to help students further develop their reading, critical thinking, speaking, and composition skills in preparation for future upper-level course work and success in college. As in the general-level course, the literary curriculum consists of world literature (novels, plays, short stories, and poetry) from a variety of eras and cultures. Students who take Honors English 9 should expect to take AP Language in the eleventh grade and AP Literature in the twelfth grade.

**Recommendation:** “C” average or higher in the previous English course and teacher recommendation.

### **01002G1000 English 10 (1 Credit)**

This course provides instruction in English language skills, including reading, critical thinking, speaking, and composition through the study of fiction and nonfiction, primarily from American works. Students will also continue to refine grammar skills, improve vocabulary, and analyze and evaluate print and non-print sources.

### **01002H1000 Honors English 10 (1 Credit)**

This course is intended for students who have demonstrated an aptitude in the areas of reading, critical thinking, and composition and who have mastered basic grammatical principles. The purpose of this course is to help students further develop their language skills in preparation for future upper-level course work and success in college. The literary curriculum in Honors English 10 consists of fiction and nonfiction texts, primarily from American authors. Students who take Honors English 10 should expect to take AP Language in the eleventh grade and AP Literature in the twelfth grade.

**Recommendation:** “C” average or higher in the previous English course and teacher recommendation.

### **01003G1000 English 11 (1 Credit)**

This course provides instruction in English language skills, including reading, critical thinking, speaking, and composition through the study of fiction and nonfiction, primarily (but not exclusively) from American works. Students will continue to refine grammar skills, improve vocabulary, as well as analyze and evaluate print and non-print sources and various forms of media.

### **01003H1000 Honors English 11 (1 Credit)**

This course is intended for students who have demonstrated an aptitude in the areas of reading, critical thinking, composition, and research and who have mastered grammatical principles. The purpose of this course is to help students further develop their language skills in preparation for future upper-level course work and success in college. The literary curriculum in Honors English 11 consists of fiction and nonfiction texts, primarily (but not exclusively) from American authors.

**Recommendation:** “C” average or higher in the previous English course and teacher recommendation.

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## **01005H1000 AP English Language and Composition 11th & 12th Grade (1 Credit)**

### **Fee: AP Exam**

This college-level course is designed to help students become skilled readers of prose as well as writers who can compose for a variety of purposes. Completion of this course, and a score of 3 or better on the AP exam, may earn the student college credit.

**Recommendation:** Placement in this course is dependent on test scores, grades, teacher recommendation, and student motivation.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Note:** This course may have a summer reading assignment. Students may be required to purchase texts.

## **01004G1000 English 12 (1 Credit)**

This course provides instruction in English language skills, including reading, critical thinking, speaking, research, and composition through the study of fiction and nonfiction, primarily (but not exclusively) from British works. Students will continue to refine grammar skills, improve vocabulary, analyze and evaluate print and non-print sources and various forms of media. Students will also explore career options and develop technical writing skills.

## **01004H1000 Honors English 12 (1 Credit)**

This course is designed for the student with more advanced skills in reading and writing. Emphasis will be placed on composition and literary interpretation through the study of British Literature, geared toward the college-bound student.

**Recommendation:** "C" average and/or teacher recommendation. This course may have a summer reading requirement. Students may be required to purchase texts.

## **01006H1000 AP English Literature and Composition 11th & 12th Grade (1 Credit)**

### **Fee: AP Exam**

This college-level course is designed to help students become analytical readers of fiction as well as skilled writers of expository, analytical, and argumentative essays. Completion of this course and a score of 3 or better on the AP exam may earn students college credit.

**Recommendation:** Placement in this course is dependent on test scores, grades, teacher recommendation, and student motivation.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Note:** This course may have a summer reading assignment. Students may be required to purchase texts.

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## English Language Arts Electives

### **01059G1000 Bible as Literature (1 Credit - Elective Credit Only)**

Study of the Old Testament; New Testament; heroes; prophecies; poetry and prose style. (Grades 11–12).

### **01104G1000 Creative Writing (1 Credit - Elective Credit Only)**

**NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.**

Composing poetry, short stories, and critical responses

### **01099G1000 English Lab (1 Credit)**

**NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.**

Courses developed locally; an English elective not described in this listing of English elective courses.

**Prerequisite:** Required for students whose final English grade was less than 60. Highly recommended for students whose final English grade was 60-69.

### **01104G0500 Creative Writing ( ½ Credit - Elective Credit Only)**

Composing poetry, short stories, and critical responses

**NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.**

### **01008G1000 English for Speakers Other Lang 7-12 (1 Credit - Elective Credit Only)**

**NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.**

The purpose of the Newcomers English Language Development course is to enable speakers of languages other than English to develop proficiency in listening, speaking, reading, and writing skills in the English language. The class will provide instructional opportunities for secondary-level recent immigrant students with little or no English proficiency. The development of communicative competence occurs through targeted lessons based on students' needs.

### **22110E1000 AP RESEARCH 12th Grade (1 Credit)**

**Fee: AP Exam**

This course requires students to design, plan, and conduct a year-long research-based investigation to address a research question on an academic topic, problem, or issue of individual interest. Students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** AP Seminar

### **22110E1000 AP SEMINAR 11th & 12th Grade (1 Credit)**

**Fee: AP Exam**

A 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 a cross-curricular lens; considers multiple points of view to develop a deep understanding of complex issues and topics as connections are made between issues and students' own lives.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** Approval of the Instructor or School Counselor

## Essential Skills

This pathway is limited to a student with an Individualized Education Program (IEP). A student with an IEP who takes four or more Essentials core classes must complete all requirements of the pathway, including the work component. This pathway is designed to allow a student to participate in career/competitive employment. Since the content of the Essentials courses is not fully aligned to the Alabama Courses of Study, this diploma will be accepted by most state community colleges, but may not be accepted by most four-year institutions and will not be accepted by the National Collegiate Athletic Association (NCAA) for eligibility purposes.

### **22151X1000      Transition Services (1 Credit)**

This course teaches beginning transition skills to junior high/high school students. This course will prepare students to become self-advocates, participate in postsecondary education and/or training to gain meaningful employment, and support community participation as they plan for life after high school. This course meets the requirement for the Essentials Pathway. Teachers for this course do not have to meet the highly qualified teacher status.

### **01001X1001      English Essentials-9 (1 Credit)**

This ninth-grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing, and speaking skills. It is designed to prepare students for Post-secondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.

### **01002X1002      English Essentials-10 (1 Credit)**

This tenth-grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing, and speaking skills. It is designed to prepare students for Post-secondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.

### **01003X1003      English Essentials-11 (1 Credit)**

This eleventh-grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing, and speaking skills. It is designed to prepare students for Post-secondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.

### **01004X1004      English Essentials-12 (1 Credit)**

This twelfth-grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing, and speaking skills. It is designed to prepare students for Post-secondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.

### **02052X1000      Algebra I with Probability Essentials (1 Credit)**

Essentials Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Essentials Algebra I with Probability is the second of three courses required for students on the Essentials Pathway. Students may enroll in this course after completing Essentials Geometry with Data Analysis.

### **02073X1000      Geometry with Data Analysis Essentials (1 Credit)**

Essentials Geometry with Data Analysis is the first of three required courses in high school mathematics for students on the Essentials Pathway. In Essentials Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. The prerequisite for Essentials Geometry with Data Analysis is Grade 8 Mathematics.

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## **02056X1001 Algebra II with Statistics Essentials (1 Credit)**

Essentials Algebra II with Statistics builds on the students' experiences in previous mathematics in Essentials Geometry with Data Analysis and Essentials Algebra I with Probability. It is the third of three required courses for students on the Essentials Pathway, and it is to be taken following the successful completion of Essentials Geometry with Data Analysis and Essentials Algebra I with Probability. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Essentials Algebra II with Statistics is the prerequisite for Essentials Algebra with Finance and Essentials Mathematical Modeling.

## **02155X1000 Essentials Algebra with Finance (1 Credit)**

The Curriculum Guide to the Standards: Algebra with Finance contains the course content for students following the Essentials pathway. This course integrates foundational algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. These skills are identified in the general education Algebra with Finance course. 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. Teachers must meet highly qualified teacher status for the appropriate course and grade.

## **02137X1000 Mathematical Modeling Essentials (1 Credit)**

Essentials Mathematical Modeling is developed to expand on and reinforce the concepts introduced in Essentials Geometry with Data Analysis, Essentials Algebra I with Probability, and Essentials Algebra II with Statistics by applying them in the context of mathematical modeling to represent and analyze data and make predictions regarding real-world phenomena. Essentials Mathematical Modeling is designed to engage students in doing, thinking about, and discussing mathematics, statistics, and modeling in everyday life. It allows students to experience mathematics and its applications in a variety of ways that promote financial literacy and data-based decision-making skills. The prerequisite for Essentials Mathematical Modeling is Essentials Algebra II with Statistics. Note: Students may not receive credit for both Essentials Mathematical Modeling and Essentials Algebra with Finance, as Essentials Mathematical Modeling includes mathematics content that also appears in the Essentials Algebra with Finance course.

## **04051X1000 Essentials I: World History (1 Credit)**

This course is a study of world history from 1500 to the present. Students are able to apply and utilize their knowledge to develop informed opinions about issues such as the quest for peace, human rights, trade, global ecology, and the impact each has on everyday life situations. Teachers must meet highly qualified teacher status for the appropriate course and grade.

## **04102X1011 Essentials II: U.S. History to 1877 (1 Credit)**

This course follows a chronological study of major events, issues, movements, leaders, and groups of people of the United States through Reconstruction from a national and Alabama perspective. Teachers must meet highly qualified teacher status for the appropriate course and grade.

## **04103X1011 Essentials III: U.S. History from 1877 (1 Credit)**

This course begins with the post-Reconstruction United States and its shift into a more industrialized society and continues through the twentieth century to the present. Teachers must meet highly qualified teacher status for the appropriate course and grade.

## **04201X0511 Essentials IV: Economics (½ Credit)**

This course is a one-semester course that focuses on the functions and institutions of modern-day economic systems and theory. Students gain skills that will enable them to anticipate changes in economic conditions and how to adjust to the changes to improve their lives and their communities. Teachers must meet highly qualified teacher status for the appropriate course and grade.



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## **04151X0511      Essentials IV: U. S. Government (½ Credit)**

This course is a one-semester course that focuses on the origins, structure, and functions of government at all levels. It also includes a detailed study of the constitution of the United States and its provisions. Teachers must meet highly qualified teacher status for the appropriate course and grade.

## **03159X1000      Essentials: Physical Science (1 Credit)**

This course is designed to provide students with practical knowledge of Physical Science, including scientific process and application skills; periodic table; solutions; bonding; chemical formulas; physical and chemical change; gravitational, electromagnetic, and nuclear forces; motion; energy; energy transformation; electricity and magnetism; nuclear science; metric units. Teachers must meet highly qualified teacher status for the appropriate course and grade.

## **03051X1000      Essentials: Biology (1 Credit)**

This course is designed to provide students with practical knowledge of Biology including process and application skills; cell processes; cell theory; photosynthesis and cellular respiration; genetics; classification; plants; animals; ecology; biogeochemical cycles. Teachers must meet highly qualified teacher status for the appropriate course and grade.

## **03008X1000      Essentials: Earth and Space Science (1 Credit)**

This course is designed to provide students with practical knowledge of Earth and Space Science, including scientific process and application skills; energy in the Earth system; weather; seasons; theories for the origin and age of the universe; stars, pulsars, quasars, black holes, and galaxies; Earth and space scientists; space exploration. Teachers must meet highly qualified teacher status for the appropriate course and grade.

## **03003X1000      Essentials: Environmental Science (1 Credit)**

This course is designed to provide students with a practical knowledge of Environmental Science, including scientific process and application skills; natural and human impacts; carrying capacity; renewable and nonrenewable energy resources; properties and importance of water; land-use practices; composition and erosion of soil. Teachers must meet highly qualified teacher status for the appropriate course and grade.

## **19258X1000      Essentials Career Preparation (1 Credit)**

This code applies to teachers teaching work-based experience to high school students. Work-based experiences can be an apprenticeship (paid) or an internship (unpaid). The student should have a minimum of 140 successful hours under the supervision of a workplace mentor and the special education teacher and/or a representative of vocational rehabilitation services. This course meets the requirement of the Essentials/Life Skills Pathway. Teachers for this course do not have to meet the highly qualified teacher status.

## Fine Arts

### Art

#### **05153E1000 AP ART HISTORY 11th & 12th Grade (1 Credit)**

**Fee: \$40.00 and AP Exam**

This course is designed to provide the same benefits to secondary school students as those provided by an introductory college course in art history. Students examine major forms of artistic expression from the ancient world to the present and from a variety of cultures.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** Visual Arts, Introduction to Visual Arts I.

#### **05172E1000 AP STUDIO ART, DRAWING 11th & 12th Grade (1 Credit)**

**Fee: \$40.00 and AP Exam**

Studio art courses are designed for students who are seriously interested in the practice of art. Those who plan to continue their education in the visual arts at an art institute, college, or university may wish to take this course.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

#### **05174E1000 AP Studio Art, 2-D Design 11th & 12th Grade (1 Credit)**

**Fee: \$40.00 and AP Exam**

AP 2D is an introductory college-level two-dimensional design course. Students refine and apply skills and ideas they develop through the course. The framework is composed of course skills, big ideas, essential questions and enduring understandings, learning objectives, and essential knowledge. AP Art and Design skills categories delineate overarching understandings central to the study and practice of art and design. Each of the three skill categories consists of skills that encompass foundational to advanced learning over the span of the course. Students need to develop, practice, and apply these skills in a variety of contexts. The AP 2-D Art and Design course framework is made up of three big ideas. Big Idea 1: Investigate materials, processes, and ideas. Big Idea 2: Make art and design. Big Idea 3: Present art and design.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

#### **05151G1000 Visual Arts, Elements of Arts Literacy (½ Credit)**

**Fee: \$16.00**

This course will provide instruction on the basic elements of art and design principles of visual arts. Students will explore how to create and produce visual arts products, relating and connecting them to historical, current, and personal events. Students will have an introduction to the history of visual arts and appropriate use of the visual arts medium.

#### **05167G10P1 Visual Arts, Photography I (1 Credit)**

**Fee: \$20.00**

This novice-level course is the first of a sequential high school course focusing on photography. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how photography communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation of analog photography, elements, and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of analog photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of digital photography may be incorporated.

#### **05154G1001 Visual Arts, Visual Arts I (1 Credit)**

**Fee: \$25.00**

This novice-level course is the first of a sequential high school course. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how visual arts communicate ideas and allow for self-expression. Through exploration and experimentation, this course provides students with a general foundation in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively



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applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.

## **05156G1002 Visual Arts, Drawing (II) (1 Credit)**

**Fee: \$40.00**

This intermediate-level course is the second of a sequential high school courses focusing on the medium of drawing. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to further understand how drawing communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more formal foundation in the drawing studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary drawing processes, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment, and materials are emphasized.

## **05156G1003 Visual Arts, Drawing (III) (1 Credit)**

**Fee: \$20.00**

This accomplished-level course is the third of sequential high school courses focusing on the medium of drawing. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production and assessment to understand how drawing communicates ideas and allows for self-expression. Through continuous exploration and experimentation, this course provides students with a comprehensive study in the drawing studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary drawing processes, while effectively applying the elements of art and principles of design to provide a deeper understanding and appreciation of drawing. Safe practices and proper use of tools, equipment and materials are emphasized.

**Prerequisite:** Introduction to Visual Arts and Drawing Level II or approval of the Instructor.

## **05157G1002 Visual Arts, Painting (II) (1 Credit)**

**Fee: \$20.00**

This intermediate-level course is the second of sequential high school courses focusing on the medium of painting. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how painting communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more formal foundation in the painting studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary painting processes, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment, and materials are emphasized.

**Prerequisite:** Introduction to Visual Arts or approval of the Instructor.

## **05157G1003 Visual Arts, Painting (III) (1 Credit)**

**Fee: \$20.00**

This accomplished-level course is the third of a sequential high school courses focusing on the mediums used for painting. Creating, presenting, responding and connective drive critical thinking, meaning, reflection, production and assessment of understanding how painting communicates ideas and allows for self-expression. Students apply the elements and principles of design in an on-going process of creating a portfolio of accomplished works. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary painting processes. This course prepares students who wish to continue in the arts for AP level 2D. Safe practices and proper use of tools, equipment, and materials are emphasized.

**Prerequisite:** Introduction to Visual Arts and Painting Level II or approval of the Instructor.

## **05159G1002 Visual Arts, Ceramics (II) (1 Credit)**

**Fee: \$20.00**

This intermediate-level course is the second of sequential high school courses focusing on the medium of ceramics. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how ceramics communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more in-depth foundation in the ceramic studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and

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express ideas using a variety of traditional and contemporary ceramic processes, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.

**Prerequisite:** Introduction to Visual Arts or approval of the Instructor.

## **05159G1003 Visual Arts, Ceramics (III) (1 Credit)**

**Fee: \$20.00**

This accomplished-level course is the third of a sequential high school courses focusing on the medium of ceramics. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how ceramics communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in the ceramic studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary ceramic processes, while effectively applying the elements of art and principles of design to provide a deeper understanding and appreciation of ceramics. Safe practices and proper use of tools, equipment and materials are emphasized.

**Prerequisite:** Introduction to Visual Arts and Ceramics Level II or approval of the Instructor.

## **Music**

### **05114E1000 AP Music Theory 11th & 12th Grade (1 Credit)**

**Fee: AP Exam**

Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. This course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit. College-level advanced course approved by the College Board Advanced Placement (AP) Program for music; musical structure; analysis of composition; notational systems; arrangement for instruments and/or voices; improvisational accompaniment on piano or other instruments.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

### **05119G1000 Music, Elements of Arts Literacy (½ Credit)**

This course will provide basic instruction in music. Students will explore how to create and produce music, responding and connecting them to historical, current and personal events. Students will have an introduction to the history of music, and the ethical and appropriate use of the medium.

### **05103G1001 Marching Band I (1 Credit)**

**Fee: \$20.00**

This novice-level course is designed for students to experience instrumental music in a marching band setting. 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 timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

### **05103G1002 Marching Band II (1 Credit)**

**Fee: \$20.00**

This intermediate-level course is designed for students with at least one year of experience to experience instrumental music in a marching band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

**Prerequisite:** Marching Band I or Approval of the Instructor

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## **05103G1003 Marching Band III (1 Credit)**

**Fee: \$20.00**

This proficient-level course is designed for students to increase artistry through reinforced experiences in an instrumental music marching band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

**Prerequisite:** Marching Band II or Approval of the Instructor

## **05103G1004 Marching Band IV (1 Credit)**

**Fee: \$20.00**

This accomplished-level course is designed for students with multiple years of high school study to experience instrumental music in a marching band setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

**Prerequisite:** Marching Band III or Approval of the Instructor

## **05109G10P1 Percussion (1 Credit)**

**Fee: \$20.00**

This novice-level course is designed for students to experience instrumental music in a setting of only percussion instruments. 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 timbre, rhythm, melody, harmony, form, and expression. Students will study works of quality literature, and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

## **05109G10P2 Percussion II (1 Credit)**

**Fee: \$20.00**

This novice-level course is designed for students to experience instrumental music in a setting of only percussion instruments. 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 timbre, rhythm, melody, harmony, form, and expression. Students will study works of quality literature, and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

**Prerequisite:** Percussion I or Approval of the Instructor

## **05109G10P3 Percussion III (1 Credit)**

**Fee: \$20.00**

This proficient-level course is designed for students to increase artistry through reinforced experiences in an instrumental music setting of only percussion instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

**Prerequisite:** Percussion II or Approval of the Instructor

## **05109G10P4 Percussion IV (1 Credit)**

**Fee: \$20.00**

This accomplished-level course is designed for students with multiple years of high school study to experience instrumental music in a setting of only percussion instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and

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expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

**Prerequisite:** Percussion III or Approval of the Instructor

## **05105G1001 Jazz Band I (1 Credit)**

This novice level course is designed for beginning music students to experience instrumental music in a jazz band or jazz ensemble setting. 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 timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

## **05105G1002 Jazz Band II (1 Credit)**

This intermediate level is designed for students with at least one year of experience to experience instrumental music in a jazz band or jazz ensemble setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

**Prerequisite:** Jazz Band I or Approval of the Instructor

## **05105G1003 Jazz Band III (1 Credit)**

This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music jazz band or jazz ensemble setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

**Prerequisite:** Jazz Band II or Approval of the Instructor

## **05105G1004 Jazz Band IV (1 Credit)**

This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a jazz band or jazz ensemble setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

**Prerequisite:** Jazz Band III or Approval of the Instructor

## **05110G1001 Mixed Chorus I (1 Credit)**

**Fee: \$20 and \$15 T-shirt**

This novice level course is designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

## **05110G1002 Mixed Chorus II (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This intermediate level course is designed for students with at least one year of experience to continue to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques.

**Prerequisite:** Mixed Chorus I or Approval of the Instructor

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## **05110G1003 Mixed Chorus III (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This proficient level course is designed for students to increase artistry by exploring choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

**Prerequisite:** Mixed Chorus II or Approval of the Instructor

## **05110G1004 Mixed Chorus IV (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This accomplished level course is designed for students with multiple years of high school study to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. This level is designed to extend students' choral skills and artistry and to provide a deeper understanding and appreciation of the study of music. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

**Prerequisite:** Mixed Chorus III or Approval of the Instructor

## **05111G10W1 Women's Chorus I (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This novice level course is designed for students to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

## **05111G10W2 Women's Chorus II (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This intermediate level course is designed for students with at least one year of experience to continue to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

**Prerequisite:** Women's Chorus I or Approval of the Instructor

## **05111G10W3 Women's Chorus III (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This proficient level course is designed for students to increase artistry by exploring treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

**Prerequisite:** Women's Chorus II or Approval of the Instructor



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## **05111G10W4 Women's Chorus IV (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This accomplished level course is designed for students to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

**Prerequisite:** Women's Chorus III or Approval of the Instructor

## **05111G10M1 Men's Chorus I (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This novice level course is designed for beginning music students to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

## **05111G10C1 Chamber Chorus I (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This novice level course is designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.

## **05111G10C2 Chamber Chorus II (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This Intermediate level course is designed for students with at least one year of experience to continue to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.

**Prerequisite:** Chamber Chorus I or Approval of the Instructor

## **05111G10C3 Chamber Chorus III (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This proficient level course is designed for students to increase artistry by exploring choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.

**Prerequisite:** Chamber Chorus II or Approval of the Instructor

## **05111G10C4 Chamber Chorus IV (1 Credit)**

**Fee: \$20.00 and \$15 T-shirt**

This accomplished level course is designed for students with multiple years of high school study to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. This level is designed to extend students' choral skills and artistry and to provide a deeper understanding and appreciation of the study of music. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance,

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contemporary issues, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.

**Prerequisite:** Chamber Chorus III or Approval of the Instructor

## **05121G1001 Show Choir I (1 Credit)**

**Fee: \$20.00 and Costume Fee approximately \$200**

This novice level course is designed for students to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issues, and self-reflection.

## **05121G1002 Show Choir II (1 Credit)**

**Fee: \$20.00 and Costume Fee approximately \$200**

This intermediate level course is designed for students with at least one year of experience to continue to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issues, and self-reflection.

**Prerequisite:** Show Choir I or Approval of the Instructor

## **05121G1003 Show Choir III (1 Credit)**

**Fee: \$20.00 and Costume Fee approximately \$200**

This proficient level course is designed for students to increase artistry by exploring popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issues, and self-reflection.

**Prerequisite:** Show Choir II or Approval of the Instructor

## **05121G1004 Show Choir IV (1 Credit)**

**Fee: \$20.00 and Costume Fee approximately \$200**

This accomplished level course is designed for students with multiple years of high school study to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills, choreography and movement and sight-reading techniques. This level is designed to extend students' choral skills and artistry and to provide a deeper understanding and appreciation of the study of music. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issues, and self-reflection.

**Prerequisite:** Show Choir III or Approval of the Instructor

## **05119G1000 Music, Elements of Arts Literacy (½ Credit)**

This course will provide basic instruction in music. Students will explore how to create and produce music, responding and connecting them to historical, current and personal events. Students will have an introduction to the history of music, and the ethical and appropriate use of the medium.

## Theatre

### **05051G1000 Theatre, Elements of Arts Literacy (½ Credit)**

**Fee: \$10**

This course will explore arts literacy through theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, performing and assessment to understand how theatre communicates ideas and allows for self-expression. Students will explore how to create and perform informal and formal theatrical works, relating and connecting them to historical, current and personal events. Students will have an introduction to play structure and analysis. Students will be introduced to the technical elements of theatre production. Students will have an introduction to the history of theatre, and appropriate etiquette for theatre.

### **05052G1001 Theatre I (Acting) (1 Credit)**

**Fee: \$10**

This proficient level course explores beginning theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will also be introduced to basic history of theater and technical theatre.

### **05060G1001 Musical Theatre (1 Credit)**

**Fee: \$10**

This proficient level course explores beginning theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how theatre communicates ideas and allows for self-expression. Students will use their beginning acting and musical talent to explore musical theatre technique. Students will study the history of musical theatre and perform solo, duo and group musical theatre works.

### **05056G1001 Technical Theatre Production (1 Credit)**

**Fee: \$20**

This proficient level course explores beginning technical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand theater through a technical theatre experience. Students will learn beginning design principles, scenery, lighting, costuming and sound design for theatre productions. Students will study the history of theatre and an emphasis will be placed on the safe practices and proper use of tools, equipment and materials.

### **05052G1002 Theatre II (1 Credit)**

**Fee: \$15**

This accomplished level course continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will use their acting to refine their theatre and technical technique. Students will study the history of theatre and perform solo, duo and group theatre works.

**Prerequisite:** Theatre I or Approval of the Instructor

### **05053G1002 Acting Technique II (1 Credit)**

**Fee: \$15**

This accomplished level course focuses on specific acting techniques. Creating, performing, and connecting drive critical thinking, meaning, reflection, production and assessment through specific acting techniques. Self-expression and an understanding of how methods of acting may be used to communicate artistic ideas. Students will study, write and/or perform scenes and monologues, use text analysis as well as character analysis to perform informal and formal productions.

**Prerequisite:** Theatre I, Musical Theatre I or approval of the Instructor.



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## Foreign Language

The study of a foreign language enables the student to develop abilities and skills which will be functional in daily living. Foreign language study can enable the student to make a genuine contribution toward the development of good citizenship in the best and broadest sense. The course fosters international understanding, tolerance, good will, and appreciation of other peoples and their cultures, including their language. **Students are encouraged to complete Foreign Language courses in sequence.**

### **24052G1000 Spanish I (1 Credit Honors Weight)**

Designed to give a speaking knowledge of the language, as well as an introduction to Spanish culture. Emphasis is placed on listening and speaking.

**Highly Recommended:** "C" average or higher in the last English course.

### **24053G1000 Spanish II (1 Credit Honors Weight)**

Provides more advanced study of Spanish with emphasis on the development of reading and writing skills.

**Prerequisite:** "C" or higher in Spanish I.

### **24054G1000 Spanish III (1 Credit Honors Weight)**

Advanced study of Spanish grammar and usage with emphasis on literature and writers in Spanish.

**Prerequisite:** "C" or higher in Spanish II.

### **24055G1000 Spanish IV (1 Credit Honors Weight)**

Advanced study of Spanish grammar and usage with emphasis on literature and writers in Spanish.

**Prerequisite:** "C" or higher in Spanish III.

### **24064E1000 Spanish AP 11th & 12th Grade (1 Credit)**

**Fee: AP Exam**

Advanced study of Spanish grammar and usage with emphasis on literature and writers in Spanish.

**Prerequisite:** "C" or higher in Spanish II.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Foreign Languages offered through ACCESS Distance Learning are:**

**NOTE: These classes will not be awarded honors weight.**

French I

French II

French III

Latin I

Latin II

Latin III

German I

German II

German III

Mandarin Chinese I

Mandarin Chinese II

## Health Education

### **08051G0500 Health Education (½ Credit)**

Designed to provide opportunities for students to acquire knowledge and form attitudes which will result in living a quality life. Concepts and practices are covered which will enable students to make wise decisions regarding such topics as nutrition, drugs, ecology, consumer health, and parenting. First Aid and CPR are also included. A required course for graduation and recommended for 10<sup>th</sup> graders.

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## Mathematics

The mathematics program is designed to provide sufficient mathematical background for students planning a technical career or who plan a career in mathematics or science. Both applied mathematics and a sequential program of pure mathematics is offered. The student's math teacher will be integral to the registration of students in the next course. Post-secondary schools are expecting stronger math preparation than in the past. All students will complete at least Algebra II. To be best prepared, students should complete Trigonometry/Pre-Calculus. Four years of high school mathematics is required. At least one class must be taken each year.

### **02110G1000 Pre-Calculus (1 Credit)**

This course is designed for students who have successfully completed the Algebra II with Statistics course. This course is considered to be 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 should include appropriate use of technology to facilitate continued development of students' higher-order thinking skills.

**Prerequisite:** "C" or higher in Honors Algebra II with Statistics.

### **02121G1000 Calculus (1 Credit)**

**NOTE: THIS COURSE MAY BE USED FOR ONE OF THE FOUR REQUIRED MATHEMATICS CREDITS ONLY IF THE LOCAL SYSTEM HAS SUBMITTED AND RECEIVED APPROVAL FOR COURSE STANDARDS.**

Advanced math course; differential and integral calculus; analytic geometry topics; and functions.

### **02124E1000 AP Calculus AB 11th & 12th Grade (1 Credit)**

**Fee: AP Exam**

This course offers the advanced student an opportunity to participate in a college level course. Topics will include functions, graphs, limits, derivatives, integrals, polynomial approximations and series. Completion of the course and a score of 3 or better on the AP Exam may earn college credit.

**Recommendation:** Placement is dependent on test scores, grades, teacher recommendation and student motivation.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** "C" or higher in Pre-Calculus.

### **02125E1000 AP Calculus BC 11th & 12th Grade (1 Credit)**

**Fee: AP Exam**

This course offers the advanced student an opportunity to participate in a college level course. Topics will include functions, graphs, limits, derivatives, integrals, polynomial approximations and series. Completion of the course and a score of 3 or better on the AP Exam may earn college credit.

**Recommendation:** Placement is dependent on test scores, grades, teacher recommendation and student motivation.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** Approval of AP Calculus Teacher

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## **02203E1000 AP Statistics 11th & 12th Grade (1 Credit)**

**Fee: AP Exam**

This Advanced Placement class is a college level advanced math course following the curriculum established by the College Board Advanced Placement (AP) Program for statistics. This course will be an introductory, non-calculus based course to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Completion of the course and a score of 3 or better on the AP Exam may earn college credit.

**Recommendation:** Placement is dependent on test scores, grades, teacher recommendation and student motivation.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** "C or higher in Honors Algebra II with Statistics.

## **02999G1000 Mathematics Electives, Grades 9-12 (1 Credit)**

This course may not be used for one of the four required mathematics credits for graduation. This course includes additional or specialized mathematical concepts.

## **02073G1000 Geometry with Data Analysis (1 Credit)**

**This is the first of three required courses in high school mathematics.** In Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study.

**Prerequisite:** Grade 8 Mathematics or Grade 8 Accelerated Mathematics. **For students who opt to accelerate their mathematical pathways in the 9th grade, Geometry with Data Analysis may also be taken concurrently with Algebra I with Probability.**

## **02073H1000 Honors Geometry with Data Analysis (1 Credit)**

**This is the first of three required courses in high school mathematics.** In Honors Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study.

**Prerequisite:** Grade 8 Mathematics or Grade 8 Accelerated Mathematics. **For students who opt to accelerate their mathematical pathways in the 9th grade, Honors Geometry with Data Analysis may also be taken concurrently with Honors Algebra I with Probability.**

## **02052G1000 Algebra I with Probability (1 Credit)**

**This is the second of three required courses in high school mathematics.** It builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in a subsequent study of mathematics. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. **Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.**

## **02052H1000 Honors Algebra I with Probability (1 Credit)**

**This is the second of three required courses in high school mathematics.** Honors Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in a subsequent study of mathematics. Honors Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. **Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Honors Algebra I with Probability concurrently with Honors Geometry with Data Analysis in the 9th grade.**

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## **02056G1000 Algebra II with Statistics (1 Credit)**

**It is the third of three required courses.** Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. **Algebra II with Statistics is the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.**

## **2056H1000 Honors Algebra II with Statistics (1 Credit)**

**It is the third of three required courses.** Honors Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. **Algebra II with Statistics courses are the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.**

## **02996G1000 Math Elective Lab Course (1 Credit)**

School systems should provide instructional support (labs or intervention periods) for students in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics. Student assignment to this class period and the length of this class period are at the LEA's discretion.

**Note:** Credit for this class period would count as elective credit, not mathematics credit.

**Prerequisite:** Required for students whose final math grade was less than 60. Highly recommended for students whose final math grade was 60-69.

## **02136G1000 Applications of Finite Mathematics (1 Credit)**

This course was developed as a fourth-year course that extends beyond the three years of essential content that is required for all high school students. Applications of Finite Mathematics provides students with the opportunity to explore mathematics concepts related to discrete mathematics and their application to computer science and other fields and includes areas of study that are critical to the fast-paced growth of a technologically advancing world. The wide range of topics in Applications of Finite Mathematics includes logic, counting methods, information processing, graph theory, election theory, and fair division, with an emphasis on relevance to real-world problems. Logic includes recognizing and developing logical arguments and using principles of logic to solve problems. Students are encouraged to use a variety of approaches and representations to make sense of advanced counting problems, then develop formulas that can be used to explain patterns. Applications in graph theory allow students to use mathematical structures to represent real world problems and make informed decisions. Election theory and fair division applications also engage students in democratic decision-making so that they recognize the power of mathematics in shaping society.

**Prerequisite:** Algebra II with Statistics.

**Note:** Students may not receive credit for both Applications of Finite Mathematics and Discrete Mathematics, as Applications of Finite Mathematics includes mathematics content that also appears in the Discrete Mathematics course.

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## **02136H1000 Honors Applications of Finite Mathematics (1 credit)**

This course was developed as a fourth-year course that extends beyond the three years of essential content that is required for all high school students. Honors Applications of Finite Mathematics provides students with the opportunity to explore mathematics concepts related to discrete mathematics and their application to computer science and other fields and includes areas of study that are critical to the fast-paced growth of a technologically advancing world. The wide range of topics in Applications of Finite Mathematics includes logic, counting methods, information processing, graph theory, election theory, and fair division, with an emphasis on relevance to real-world problems. Logic includes recognizing and developing logical arguments and using principles of logic to solve problems. Students are encouraged to use a variety of approaches and representations to make sense of advanced counting problems, then develop formulas that can be used to explain patterns. Applications in graph theory allow students to use mathematical structures to represent real world problems and make informed decisions. Election theory and fair division applications also engage students in democratic decision-making so that they recognize the power of mathematics in shaping society.

**Prerequisite:** Honors Algebra II with Statistics.

**Note:** Students may not receive credit for both Applications of Finite Mathematics and Discrete Mathematics, as Applications of Finite Mathematics includes mathematics content that also appears in the Discrete Mathematics course.

## **02137G1000 Mathematical Modeling (1 Credit)**

This course is developed to expand on and reinforce the concepts introduced in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics by applying them in the context of mathematical modeling to represent and analyze data and make predictions regarding real-world phenomena. Mathematical Modeling is designed to engage students in doing, thinking about, and discussing mathematics, statistics, and modeling in everyday life. It allows students to experience mathematics and its applications in a variety of ways that promote financial literacy and data-based decision-making skills. This course also provides a solid foundation for students who are entering a range of fields involving quantitative reasoning, whether or not they require calculus.

**Prerequisite:** Algebra II with Statistics.

**Note:** Students may not receive credit for both Mathematical Modeling and Algebra with Finance, as Mathematical Modeling includes mathematics content that also appears in the Algebra with Finance course.

## **02137H1000 Honors Mathematical Modeling (1 Credit)**

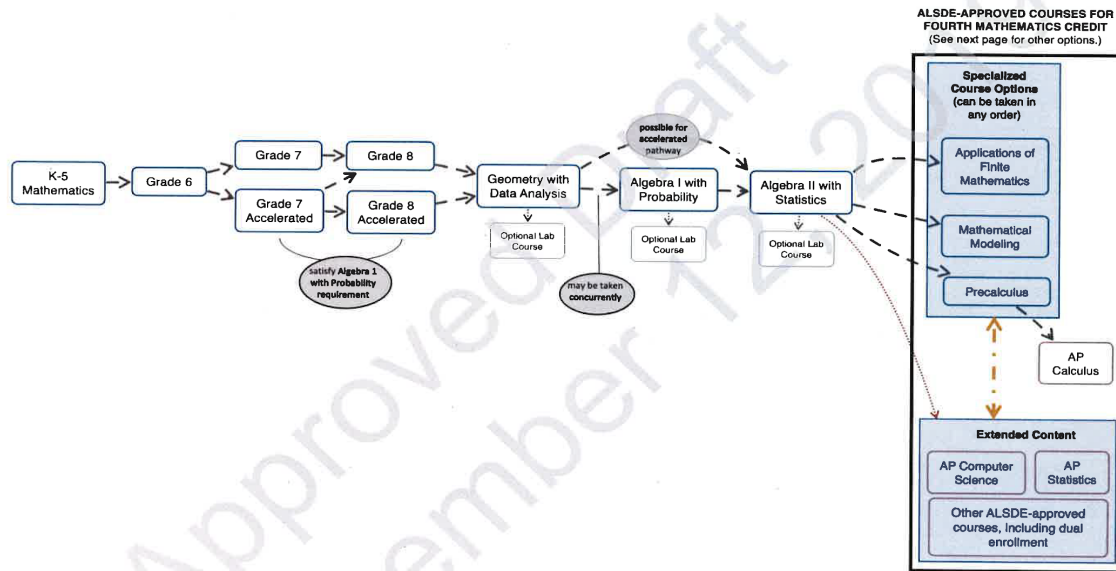
This course is developed to expand on and reinforce the concepts introduced in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics by applying them in the context of mathematical modeling to represent and analyze data and make predictions regarding real-world phenomena. Honors Mathematical Modeling is designed to engage students in doing, thinking about, and discussing mathematics, statistics, and modeling in everyday life. It allows students to experience mathematics and its applications in a variety of ways that promote financial literacy and data-based decision-making skills. This course also provides a solid foundation for students who are entering a range of fields involving quantitative reasoning, whether or not they require calculus.

**Prerequisite:** Honors Algebra II with Statistics. **Note:** Students may not receive credit for both Mathematical Modeling and Algebra with Finance, as Mathematical Modeling includes mathematics content that also appears in the Algebra with Finance course.

**The State Department has adopted a new math pathway. The following chart applies to graduating classes 2024 and beyond.**

## Appendix B

### Chart 1: Pathways through K-12 Mathematics





## Physical Education

The Physical Education Division strives to provide students with the knowledge and skills that can be used for leisure time activities later in life.

Physical education is an essential element in the educational preparation of Alabama students. The purpose of the physical education curriculum is to reinforce the need for students to become better informed regarding health issues and to become more physically active. Individuals who are physically active and who practice healthy life choices are better prepared to meet personal health and physical fitness challenges throughout their lives.

**Note: Students must receive one full year of Beginning Kinesiology curriculum. Waivers are offered through one year of JROTC (grades 10, 11, 12), Varsity Athletics, or 2 years of marching band. Students participating in athletics will be scheduled by their respective coach.**

### **08019G1000 Sports Officiating Certification (1 Credit)**

This course is an elective course that focuses on the professional philosophy, and professional requirements for officiating sports for athletic contests. This course will cover officiating football, basketball, wrestling, volleyball, soccer, baseball, track and field, and softball. Upon completion of the course students will be afforded the option to take certification exams for any of the sport components to become a restricted certified official with the Alabama High School Athletic Association at the middle/junior high school level. The prerequisite for this course is Lifelong Individualized Fitness Education (LIFE) or its equivalent. The student must be age 16 or older, or turn age 16 during the academic school year. The teacher of this course must hold current registration as an Alabama High School Athletic Association official (any sport).

### **08005G1000 Strength and Conditioning (1 Credit)**

Elective course that will give students the tools and resources needed to be physically fit and healthy for a lifetime. This course is a stand-alone course open to all students. It is not part of, nor may it be combined with, varsity athletics.

**Prerequisite:** Beginning Kinesiology.

### **08003G1000 Team Sports (1 Credit)**

Elective course that gives students basic knowledge of individual, dual, and team sports. Students will progressively learn skills and game strategies for each sport, as well as historical background and terminology.

**Prerequisite:** Beginning Kinesiology

### **08013G10BA Varsity Baseball (1 Credit)**

This course covers baseball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

### **08013G10BK Varsity Basketball (1 Credit)**

This course covers the fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive basketball.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

### **08006G10CH Varsity Cheerleading (1 Credit)**

This course covers cheerleading techniques. Emphasis is placed on developing skills, strategies, and techniques. Upon completion, students should be able to participate on a cheerleading squad.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

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## **08013G10CC Varsity Cross Country (1 Credit)**

This course covers cross country techniques. Emphasis is placed on developing skills and strategies and techniques. Upon completion, students should be able to participate in competitive cross country.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08013G10FB Varsity Football (1 Credit)**

This course covers fundamentals of football. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive football.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08013G10GO Varsity Golf (1 Credit)**

This course covers fundamental phases of golf. Emphasis is placed on refining the fundamental skills and learning more phases of the game such as club selection, trouble shots, and course management. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08013G10SC Varsity Soccer (1 Credit)**

This course covers the fundamentals of soccer. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive soccer.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08013G10SB Varsity Softball (1 Credit)**

This course covers the fundamentals of soccer. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive soccer.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08010G10SW Varsity Swimming (1 Credit)**

This course covers the fundamentals of swimming. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive swimming.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08011G10TN Varsity Tennis (1 Credit)**

This course covers the fundamentals of tennis. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive tennis.

**Prerequisite::** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08013G10TF Varsity Track and Field (1 Credit)**

This course covers fundamentals of track and field. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive track and field.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08013G10VB Varsity Volleyball (1 Credit)**

This course covers the fundamentals of volleyball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive volleyball.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.



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## **08013G10WR Varsity Wrestling (1 Credit)**

This course covers the fundamentals of wrestling. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive wrestling.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08015G10BW Varsity Bowling (1 Credit)**

This course covers bowling techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Bowling.

**Prerequisite:** Completion of the required Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent and coach's approval.

## **08017G1000 Beginning Kinesiology (1 Credit)**

Beginning Kinesiology is the physical education course required for graduation. It is a stand-alone course which encompasses the basic concepts of athletics and fitness and introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. Students will be empowered to make choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. It is highly recommended that students take Beginning Kinesiology in Grade 9. It is the prerequisite for all physical education elective courses.

## **08017G1001 Advanced Kinesiology (1 Credit)**

Elective course that covers the knowledge base of kinesiology, the importance of physical activity in daily life, and the different career paths associated with a degree in kinesiology. This class is for students who wish to pursue a career as a physical education teacher, athletic trainer, physical therapist, personal trainer, movement-related research specialist, or other careers related to health, fitness, and sports.

**Prerequisite:** Beginning Kinesiology

## Psychology

### **04254G1000 Psychology (1 Credit)**

**NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR**

**GRADUATION.** History of psychological inquiry; methods of scientific research; human development; sensation and perception; motivation and emotion; states of consciousness; social psychology, cognition; intelligence and assessment; personality theories; stress; mental disorders and treatments.

### **04256E1000 AP Psychology 11th & 12th Grade (1 Credit)**

**Fee: AP Exam**

This course is an introduction and broad view of the basic theories, concepts, principles and research findings in the analysis of behavior. It places emphasis on individual differences, motivation, personality, learning, the world of work, biological influences and abnormal psychology.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

## Sociology

### **04258G1000 Sociology (1 Credit)**

This course presents a study of society with emphasis on structure and function of the basic social institutions. Students will use current periodicals to focus on current issues in society from a sociological perspective.

## Science

The science program is designed to relate science to everyday living and to provide extensive concentration for those students whose future plans dictate a broader background in science. All classes involve laboratory practice and will provide both academic and vocational/technical preparation.

### **15055G1000 Forensic Science & Crime Scene Investigation (1 Credit)**

This course teaches students to apply chemistry, physics, and biology to a suspect, a criminal act or behavior, or a victim. This course prepares students in two distinct concentrations. The Forensic Science portion focuses on working in a crime lab setting as a forensic scientist or technician. Crime Scene Investigations covers the application of the scientific method at a crime scene, including scene processing and the identification and collection of evidence.

**Prerequisite:** Biology and Physical Science credit

### **15055G10HR Honors Forensic Science & Crime Scene Investigation (1 Credit)**

**Lab Fee: \$20**

This course teaches students to apply chemistry, physics, and biology to a suspect, a criminal act or behavior, or a victim. This course prepares students in two distinct concentrations. The Forensic Science portion focuses on working in a crime lab setting as a forensic scientist or technician. Crime Scene Investigations covers the application of the scientific method at a crime scene, including scene processing and the identification and collection of evidence.

**Prerequisite:** Honors Biology and Honors Physical Science credit, or teacher recommendation.

### **03159G1000 Physical Science (1 Credit)**

Conceptual inquiry-based course with engineering design integration providing investigation of the basic concepts of chemistry and physics, including matter and its interactions, motion, and stability, energy and waves, and information technologies.

**Prerequisite:** Biology

### **03051G1000 Biology – 9th Grade (1 Credit)**

**NOTE: BIOLOGY COURSES 03051G1000 AND 03051E1000 ARE ALL DEVELOPED FROM THE BIOLOGY CORE. THESE COURSES ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT.** Inquiry-based course with engineering design integration; focused on patterns, processes, and interactions among living organisms, including structures and processes, ecosystems, heredity, and unity and diversity.

### **03051H1000 Honors Biology – 9th Grade (1 Credit)**

**Lab Fee: \$20**

**NOTE: BIOLOGY COURSES 03051G1000 AND 03051E1000 ARE ALL DEVELOPED FROM THE BIOLOGY CORE. THESE COURSES ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT.** Advanced inquiry-based course with engineering design integration; focused on patterns, processes, and interactions among living organisms, including structures and processes, ecosystems, heredity, and unity and diversity. It is a prerequisite for Honors Anatomy, Physiology, and AP Biology.

### **03101G1000 Chemistry (1 Credit)**

**NOTE: FULFILLS THE "PHYSICAL SCIENCE" GRADUATION REQUIREMENT**

Investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life. Due to this emphasis, a strong background in Algebra I is essential for the successful completion of this course.

**Prerequisite:** Biology

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## **03101H1000 Honors Chemistry (1 Credit)**

**Lab Fee: \$20**

**NOTE: FULFILLS THE "PHYSICAL SCIENCE" GRADUATION REQUIREMENT**

Advanced investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life. Honors Chemistry is designed for highly motivated students interested in seeking a career in a science-related field. This course moves at a much faster pace than the regular chemistry class and, as a result, a greater range and depth of material will be covered.

**Prerequisite:** "C" average or above in Honors Biology, and should be taken in conjunction with Algebra I with Probability or Algebra II with Statistics or teacher recommendation.

## **03053G1000 Human Anatomy and Physiology (1 Credit)**

***(Human Body Systems - PLTW can take the place of Human Anatomy and Physiology)***

Study of structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in an organism; how personal choices, environmental factors, and genetic factors affect the human body.

**Prerequisite:** Biology and Physical Science credit

## **03053H1000 Honors Human Anatomy and Physiology (1 Credit)**

**Lab Fee: \$20**

***(Human Body Systems - PLTW can take the place of Honors Human Anatomy and Physiology)***

Advanced study of structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in an organism; how personal choices, environmental factors, and genetic factors affect the human body.

**Prerequisite:** Honors Biology and Honors Chemistry or teacher recommendation.

## **03008G1000 Earth and Space Science (1 Credit)**

**NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE."** Comprehensive application of all science disciplines with a focus on concepts of the universe and its stars, Earth and the solar system, history of planet Earth, Earth's materials and systems, plate tectonics, large-scale system interactions, the roles of water in Earth's surface processes, weather and climate, and biogeology; includes integration of engineering, technology, and application of science core ideas.

## **03008H1000 Honors Earth and Space Science (1 Credit)**

**Earth and Space Science (1 Credit)**

**NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE".** Advanced comprehensive application of all science disciplines with a focus on concepts of the universe and its Stars, Earth and the solar system, history of planet Earth, Earth's materials and systems, plate tectonics, large-scale system interactions, the roles of water in Earth's surface processes, weather and climate, and biogeology; includes integration of engineering, technology, and application of science core ideas.

## **03003G1000 Environmental Science (1 Credit)**

**NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE."** Study of natural resources, natural hazards, human impacts on Earth systems, and global climate change; design engineering solutions to solve various problems affecting Earth and its environment.

**Prerequisite:** General Chemistry

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## **03165E1000 AP Physics I: Algebra-Based (11th & 12th Grade) (1 Credit)**

**Fees: \$20 Lab and AP Exam**

### **NOTE: FULFILLS THE "PHYSICAL SCIENCE" GRADUATION REQUIREMENT**

This course is a college-level, algebra-based physics course with an emphasis on mechanics, waves and sound, and electric circuits with an emphasis on fluids, thermodynamics, electrostatics, magnetism, optics, and modern physics. The course will focus on mastering the concepts within these topics while developing skills in problem-solving and experimental design. Completion of the course, and a score of 3 or better on the AP Exam, may earn college credit.

**Prerequisite:** "C" average or above in Honors Algebra II with Statics, Honors Biology, and Instructor Approval.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

## **03106E1000 AP Chemistry 11th & 12th Grade (1 Credit)**

**Fees: \$20 Lab and AP Exam**

This course offers the advanced student an opportunity to participate in a college-level course. This class is required for both Fall and Spring terms, with sufficient enrollment, in order to receive AP credit. This course covers atomic theory and structure, chemical bonding, gasses, liquids and solids, solutions, reaction types, stoichiometry, equilibrium, kinetics, thermodynamics, and acids and bases. Completion of the course, and a score of 3 or better on the AP Exam, may earn college credit.

**Recommendation:** Placement depends on test scores, grades, teacher recommendation, & student motivation.

**Prerequisite:** "C" average or above in Honors Chemistry and Algebra II with Statics and Instructor Approval.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

## **03056E1000 AP Biology 11th & 12th Grade (1 Credit)**

**Fees: \$20 Lab and AP Exam**

**NOTE: BIOLOGY COURSES 03051G1000 AND 03051E1000 ARE ALL DEVELOPED FROM THE BIOLOGY CORE. THESE COURSES ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT.** 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. AP Biology is a college-level course that follows the guidelines of The College Board. It will differ significantly from the usual high school biology regarding the kind of textbook used, the range and depth of topics covered, the kind of lab work done, and the time and effort required of students. The main goals of AP Biology are to help students develop a conceptual framework of modern biology, to help students gain an appreciation of science as a process, and to prepare the students for the national exam. Completion of the course and a score of 3 or better on the AP exam may earn college credit.

**Prerequisite:** "C" average or above in Honors Biology, Honors Chemistry and Instructor approval.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**IT IS RECOMMENDED THAT AP BIOLOGY BE TAKEN AFTER THE SUCCESSFUL COMPLETION OF HONORS BIOLOGY AND HONORS CHEMISTRY.**

## **03207E1000 AP Environmental Science 11th & 12th Grade (1 Credit)**

**Fees: \$20 Lab and AP Exam**

This course is designed to be equivalent to a college introductory course in environmental science. Emphasis is placed on scientific principles and analysis. Lab work and field work with scientific equipment will be included. Students completing this course will understand the interrelationships of the natural world, be able to identify environmental problems, and have knowledge of alternative solutions to these problems. Completion of the course and a score of 3 or better on the AP Exam may earn college credit.

**Prerequisite:** "C" average or above in Honors Biology and Honors Chemistry and Instructor Approval.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year. **AP Environmental Science can be taken in conjunction with Honors Chemistry or another AP Science Course.**

## **03097G1000 Research and Design in Biology (1 Credit)**

**NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY, A "PHYSICAL SCIENCE," OR THE 2 ADDITIONAL SCIENCE REQUIREMENTS.** Scientific process and application skills; independent study; safety issues and research protocols; controlling/manipulating variables; statistical analysis and display of data; design and completion of inquiry project; scientific paper; competition in fairs and paper symposia; computer application; laboratory-based; technology.

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## **03108G1000 Research and Design in Chemistry (1 Credit)**

**NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY, A “PHYSICAL SCIENCE,” OR THE 2 ADDITIONAL SCIENCE REQUIREMENTS.** Use of the science and engineering practices and crosscutting concepts in the science framework to develop science and engineering design/technology research and projects; independent study; safety issues and research protocols; may include scientific paper; competition in fairs and paper symposia.

## **03162G1000 Research and Design in Physics (1 Credit)**

**NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY, A “PHYSICAL SCIENCE,” OR THE 2 ADDITIONAL SCIENCE REQUIREMENTS.** Use of the science and engineering practices and crosscutting concepts in the science framework to develop science and engineering design/technology research and projects; independent study; safety issues and research protocols; may include scientific paper; competition in fairs and paper symposia.

## **Speech, Communication, Academic Team**

### **01151G1000 Public Speaking (1 Credit)**

Designed for students to prepare themselves for careers in public relations, law, politics, teaching, theater, and television, as well as in any area of work environments where the spoken and written word is essential. Course content will center around interpersonal communications, voice and diction, various types of public speaking presentations, oral interpretation of literature, and as time permits, introduction to argumentation and debate.

### **11101G1013 Journalism/Yearbook I (1 Credit)**

**NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.** Newspaper study; newspaper production; news information gathering; proofreading; journalistic writing.

### **11101G1023 Journalism/Yearbook II (1 Credit)**

**NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.** Newspaper study; newspaper production; news information gathering; proofreading; journalistic writing

### **11101G1033 Journalism/Yearbook III (1 Credit)**

**NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.** Newspaper study; newspaper production; news information gathering; proofreading; journalistic writing.

### **11149G1001 Other Journalism Electives (1 Credit)**

**NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.** Local Journalism elective course developed at local level in addition to Journalism 1, 2, and 3 or not adequately described by course descriptions above.

## Social Studies

The department offers a program which provides factual knowledge of events and encourages an inquiring attitude as a basis for understanding and appreciating the past and its influences on the present.

### **04053G1000 World History: 1500 to Present 9th Grade (1 Credit)**

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.

### **04053H1000 Honors World History: 1500 to Present 9th Grade (1 Credit)**

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 world from 1500 to present.

**Prerequisite:** "C" average or higher in last History class and teacher recommendation.

### **04102G1000 United States History to 1877 10th Grade (1 Credit)**

Chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events

### **04102H1000 Honors United States History to 1877 10th Grade (1 Credit)**

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; Alabama's history and geographic changes that have influenced aspects of life during and after events. **Prerequisite:** "C" average or higher in last history class and teacher recommendation.

### **04103G1000 United States History from 1877 to the Present 11th Grade (1 Credit)**

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; Alabama's history and geographic changes that have influenced aspects of life during and after events.

### **04103H1000 Honors United States History from 1877 to the Present 11th Grade (1 Credit)**

Advanced work in the 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; Alabama's history and geographic changes that have influenced aspects of life during and after events.

**Prerequisite:** "C" average or higher in last history class and teacher recommendation.

### **04104E1000 AP United States History 10th & 11th Grade (1 Credit)**

#### **Fee: AP Exam**

This course offers the advanced student an opportunity to participate in a college level course. This class is required both fall and spring terms, with sufficient enrollment in order to receive AP credit. Completion of the course, and a score of 3 or better on the AP Exam, may earn college credit. **Recommendation:** Placement is dependent on test scores, grades, teacher recommendation and student motivation.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.



# Dothan City Schools Course Description Guide

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## **04057E1000 AP World History 9th Grade (1 Credit)**

### **Fee: AP Exam**

The course will develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Completion of the course, and a score of 3 or better on the AP Exam, may earn college credit.

**Recommendation:** Placement is dependent on test scores, grades, teacher recommendation and student motivation.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** Teacher approval.

## **04201G0500 Economics (1/2 Credit)**

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.

## **04201H0500 Honors Economics (1/2 Credit)**

Advanced level course in the 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.

**Prerequisite:** "C" or higher in Honors U.S. History II.

## **04202E1000 AP Macroeconomics 12th Grade (½ Credit)**

### **Fee: AP Exam**

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.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** "C" average or higher in Honors U.S. History II.

## **04151G0500 Government (1/2 Credit)**

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.

## **04151H0500 Honors Government (1/2 Credit)**

Advanced work in the government's 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.

**Prerequisite:** "C" average or higher Honors U.S. History II.

## **04157E1000 AP Government 12th Grade (1/2 Credit)**

### **Fee: AP Exam**

Accelerated in rigor and pace, this course is designed to give students a critical perspective on government and politics within the United States. The course involves generalized political science concepts and political theories. Critical thinking and analysis skills are used to interpret the American political system.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** "C" or higher Honors Government.

# Dothan City Schools Course Description Guide

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## **04056E1000 AP European History 11 & 12 Grade (1 Credit)**

**Fee: AP Exam**

Accelerated in rigor and pace, this course begins with the Renaissance and ends with present day. All areas of history are covered including political, economic, intellectual, cultural, social, and art history. Emphasis placed on analytical writing, class discussions, use of primary sources, and critical reading.

**Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** "C" or higher Honors U.S. History II.

## **04004E1000 AP Human Geography 9th - 12th Grade (1 Credit)**

**Fee: AP Exam**

This course serves as an introduction to geography as the science of location, with emphasis on spatial patterns of human activities. The concepts of population, cultural patterns and processes, political organization of space, agriculture, and rural land use, industrialization and economic development, cities and urban land use form the core of the course. **Requirement:** Students must take the Advanced Placement Exam at the end of the year.

**Prerequisite:** "C" or higher Honors World History.

## **04064G1000 Contemporary World Issues & Civic Engagement (1/2 Credit)**

**NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION.** Current issues from historical and geographical perspectives; knowledge of key contemporary personalities and events that impact lives.



# CAREER TECHNICAL EDUCATION

# Dothan City Schools Course Description Guide

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Career and Technical Education (CTE) provides students of all ages with the academic and technical skills, knowledge, and training necessary to succeed in future careers and to become lifelong learners. CTE prepares these learners for the world of work by introducing them to workplace competencies and making academic content accessible to students by providing it in a hands-on context. In fact, the high school graduation rate for CTE concentrators is about 90% – 15 percentage points higher than the national average. ([careertech.org/cte](http://careertech.org/cte))

Dothan Tech is a Simulated Workplace environment. Simulated Workplace has not only enhanced instructional delivery of career education but has created a more engaging career and technical student. The simulated workplace environment permits students the opportunity to take ownership of their individual performance as it impacts the overall success of their education while thriving in an authentic workplace culture. Simulated Workplace also encourages local business and industry experts to join onsite review teams to assist schools in meeting their workforce needs and expectations.

## Registering for Classes at Dothan Tech

Dothan Tech is a simulated workplace environment. All students are required to complete an application for Dothan Tech before being considered for enrollment in a CTE program. The application will be completed during the registration process. Due to the increasing student demand of the CTE programs, a waitlist may be established, or a second/third choice may be afforded to the student.

## Career Tech Student Organizations (CTSO'S)

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth. The following list the CTSO associated with each Career Tech Pathway offered in Dothan City Schools:

- SkillsUSA: Welding, Graphic Arts, TV Production, Cosmetology, Construction, Automotive
  - CTSO Fee: \$15
- HOSA Future Health Professionals - Health Science and Biomedical Science,
  - CTSO Fee: \$20
- FFA, Agricultural Education,
  - CTSO Fee: \$15
  - FBLA, Future Business Leaders of America - Business
  - CTSO Fee: \$10
- FCCLA, Family, Career and Community Leaders of America: Culinary Arts and Education and Training
  - Culinary Arts CTSO Fee: \$15
- JROTC, Junior Reserve Officer Training Corps
  - CTSO Fee: None
- TSA, Technology Student Association, Pre-Engineering, Robotics
  - CTSO Fee: \$20

## Career Tech Courses at Carver 9th Grade Academy

### **09051G1001 Army JROTC Leadership Education and Training I (LET 1)/Career Prep (1 Credit)**

This course provides first-year cadets with classroom and laboratory instruction in the history, customs, traditions, and purpose of Army JROTC. Emphasis is placed on leadership skills, principles, values and attributes, and diversity. This course will also include the Career Preparedness course standards. A student taking this course in 9th grade will fulfill the Career Preparedness requirement for graduation.

### **22153G1000 Career Preparedness (1 Credit)**

A course that is taught in Grades 9-12. The course prepares students with content knowledge and skills in the areas of career development and academic planning, computer skill application, and financial literacy. Also, this course is designed to meet the required 20-hour online experience.

### **14002G1002 Orientation to Health Science (1 Credit)**

This course assists students in making informed decisions regarding their college and career goals. Students will be given the opportunity to apply knowledge and skills related to the Health Science cluster. The course also includes information concerning the practices for promoting health, wellness, and disease prevention. Instruction and learning activities are provided in a classroom laboratory setting using hands-on experiences with the equipment, materials, and technology appropriate to the course content and in accordance with current practices.

### **21009G1002 Robotics Applications (1 Credit)**

A one-credit course with emphasis placed on the applications of a variety of robotic systems. Students will design and construct a robotic system with peripheral devices.

# Dothan City Schools Course Description Guide

## Agriscience Pathway

Year 1	Year 2
Semester 1: Fundamentals of Agriscience Semester 2: Intermediate Agriscience	Semester 1: Advanced Agriscience Semester 2: Horticulture Science
Year 3 (These classes must be approved by Instructor/Counselor/Admin)	
<b>Option 1:</b> Work-Based Learning (CO-OP) <i>See Work-Based Learning Section</i>	<b>Option 2:</b> Senior Agriscience Classes Semester 1: Greenhouse and Nursery Production Semester 2: Career Pathway Project AFNR

## Course Descriptions

### Industry Credential Opportunity: NCCER Core

#### **18003G1001 Fundamentals of Agriscience (1 Credit)**

**Fee: \$20**

This is a course that provides students with a fundamental overview of the Agriculture, Food and Natural Resources cluster, which contains five pathways: Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis is based around the NCCER Core Curriculum, including basic safety, construction math, hand tools, power tools, construction drawings, basic rigging, communication skills, employability skills, and materials handling.

#### **18003G1002 Intermediate Agriscience (1 Credit)**

**Fee: \$20**

This is a course that provides students with an intermediate understanding of the Agriculture, Food and Natural Resources cluster. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis is plant systems. The curriculum will provide opportunities for Career Readiness Indicators utilizing resources from the Alabama Green Industry Training Center, Landscape Management Technician, and NCCER.

**Prerequisite:** Fundamentals of Agriscience

#### **18003G1003 Advanced Agriscience (1 Credit)**

**Fee: \$20**

This is a course that provides students with an advanced understanding of the Agriculture, Food and Natural Resources cluster. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis is plant systems. The curriculum will provide opportunities for Career Readiness Indicators utilizing resources from the Youth Beef Quality Assurance, Youth Pork Quality Assurance, and NCCER.

**Prerequisite:** Fundamentals of Agriscience

#### **18052G1001 Horticulture Science (1 Credit)**

**Fee: \$20**

A one-credit course designed to enable students to become knowledgeable of horticultural science, including plant physiology, greenhouse production, plant identification and classification, and pest management. Specific content standards to be included in each course are indicated in the Course of Study chart.

**Prerequisite:** Fundamentals of Agriscience

#### **18052G1002 Greenhouse and Nursery Production**

**Fee: \$20**

Greenhouse and Nursery Production gives students the opportunity to utilize, manage, and maintain facilities and tools and to carry out procedures used in growing plants commercially. The course prepares them to own, manage, or work in greenhouses and plant nurseries. Topics include facilities, growing media, propagation, plant identification, production, pest and disease management, and business management.

**Prerequisite:** Fundamentals of Agriscience

# Dothan City Schools Course Description Guide

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## **18998G1000 Career Pathway Project in AFNR (1 Credit)**

Career Pathway Project (CPP) in Agriculture, Food, and Natural Resources is a capstone course designed for career and technical education students who have completed two or more courses in the AFNR 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.

**Prerequisite:** Fundamentals of Agriscience

## **18997G1000 CTE Lab in Agriculture, Food and Natural Resources (1 Credit)**

**Fee: \$20**

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Agriculture, Food and Natural Resources through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

**Prerequisite:** Fundamentals of Agriscience

# Dothan City Schools Course Description Guide

## ARMY JROTC PATHWAY

Year 1	Year 2
Leadership Education & Training I (LET 1/1b)	Leadership Education & Training II (LET 2/2b)
Year 3	Year 4
Leadership Education & Training III (LET 3/3b)	Leadership Education and Training IV (LET 4/4b)

### Course Descriptions

#### **Industry Credential Opportunity: JROTC Certification of Completion - ARMY JROTC**

##### **09051G1001 Army JROTC Leadership Education and Training I (LET 1) (1 Credit)**

This is a course which includes basic introductions and instruction in subject areas such as leadership theory, drill and ceremonies, first aid, map reading, land navigation, oral and written communication, rifle marksmanship and safety, personal hygiene, military history, and service orientations.

##### **09051G1002 Army JROTC 1b (1 Credit)**

This course is designed to develop an understanding of leadership traits and principles, citizenship, oral communication, physical fitness, health/wellness, including drug prevention and CPR, motivational techniques such as "Unlocking Your Potential" and an awareness of military history.

##### **09052G1001 Army JROTC Leadership Education and Training II (LET 2) (1 Credit)**

This course includes the study of wellness, fitness and first aid, drug awareness, ethical values and principles of good citizenship in American history, and Government. Demonstrate knowledge of drill, map reading and physical training, with emphasis on methods of instruction.

**Prerequisite:** Army JROTC I

##### **09052G1002 Army JROTC 2b**

This course is designed to develop proficiency in health/wellness and CPR techniques and an appreciation for self-awareness techniques ("Winning Colors"), modern technologies, career opportunities, and role of the U.S. Army, military history, and physical fitness.

**Prerequisite:** Army JROTC 1b

##### **09053G1001 Army JROTC Leadership Education and Training III (LET 3) (1 Credit)**

This course includes the study of leadership strategies, foundation of success, managing conflict, career planning, financial planning, citizenship in American history, and government with continued practical work in leadership, drill, technology awareness, and methods of instruction, map reading, and physical training.

**Prerequisite:** Army JROTC II

##### **09053G1002 Army JROTC 3b**

This course develops an understanding of the justice system (military and civilian), the role of the U.S. Armed forces, safety (hunting and boating), orienteering, physical fitness, new technologies, military history, and motivational learning techniques such as "Power Learning."

**Prerequisite:** Army JROTC 2b

##### **09054G1001 Army JROTC Leadership Education and Training IV (LET 4) (1 Credit)**

This course cadets must demonstrate leadership potential as a role model, coach, counselor, management skill, and assistant instructor. Study service to the Nation and financial planning, with continued practical work in drill, technology awareness, physical training and command, and staff principles. Cadets may only take Level IV course with the approval of the Senior Army Instructor and Army Instructor.

**Prerequisite:** JROTC III and Instructor Approval

[www.dothan.k12.al.us](http://www.dothan.k12.al.us)

# Dothan City Schools Course Description Guide

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## **09054G1002 Army JROTC 4b**

This course develops proficiency in command and staff procedures, physical fitness, military parades and ceremonies, citizenship, science, and new technologies and communications. Students must demonstrate the ability to speak to large audiences, perform staff briefings and prepare staff reports, write resumes and cover letters, and complete job applications. They must also apply problem-solving/decision-making skills in leadership and supervisory positions of authority.

**Prerequisite:** Army JROTC 3b.

## **09997G1001 Senior Career Pathway Project - Gov Public Admin (1 Credit) 12th Grade Only**

A course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

**Prerequisite:** JROTC III and Instructor Approval



# Dothan City Schools Course Description Guide

## Automotive Services Pathway (DUAL ENROLLMENT - WALLACE COMMUNITY COLLEGE) Prerequisite: Minimum 2.5 GPA

Year 1	Year 2
Semester 1: ASE 101 - Fundamental of Auto Tech. Semester 2: ASE 112 - Electrical Fundamentals	Semester 1: ASE 130 - Drive Trains & Axles Semester 2: ASE 239 - Engine Performance
Year 3	
<b><u>Option 1:</u></b> Go to Wallace Community College to continue in the ASE program and take courses available	<b><u>Option 2:</u></b> Work-Based Learning (CO-OP) <i>See Work-Based Learning Section</i>
Remaining six classes taken at Wallace Community College	
ASE 121 Braking Systems ASE 122 Steering and Suspension ASE 124 Automotive Engines	ASE 133 Motor Vehicle Air Conditioning ASE 191 CO-OP WKO 106 Workplace Skills

By enrolling in 10th grade, a student may have the possibility of taking all 10 courses listed to complete the Basic Automotive, Truck, and Tractor Service, and Repair Short Certificate with Wallace Community College. This would require the student to travel to Wallace Community College during two summer terms. Students must meet all dual enrollment requirements set by Wallace Community College.

## Course Descriptions

**Industry Credential Opportunity:** ASE (Automotive Service Excellence) Certifications

***Classes are taken at Dothan Tech***

### **ASE 101: FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY (20149C1015)**

This course provides basic instruction in Fundamentals of Automotive Technology. This is a CORE course.

**Credits: 3 Lab Hours: 4 Lecture Hours: 1**

### **ASE 112: ELECTRICAL FUNDAMENTALS (20149C1016)**

This course introduces the principles and laws of electricity. Emphasis is placed on wiring diagrams, test equipment, and identifying series, parallel and series-parallel circuits. Upon completion, students should be able to calculate, build, and measure circuits. This is a CORE course.

**Credits: 3 Lab Hours: 4 Lecture Hours: 1**

### **ASE 130: DRIVE TRAIN AND AXLES (20149C1020)**

This course provides basic instruction in automotive drive trains and axles. Emphasis is placed on the understanding and application of basic internal and external operations relating to proper operation and drivability. ABR 223 Automotive Mechanical Components is a suitable substitute for this course. This is a CORE course.

**Credits: 3 Lab Hours: 4 Lecture Hours: 1**

### **ASE 239: ENGINE PERFORMANCE (20149C1024)**

This course provides basic instruction in engine performance with an emphasis on fuel and ignition systems relating to engine operation. This is a CORE course. Supports CIP codes: 15.0803 and 47.0604.

**Credits: 3 Lab Hours: 4 Lecture Hours: 1**

# Dothan City Schools Course Description Guide

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## Course Descriptions

*Classes are taken at Wallace Community College*

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### **ASE 121: BRAKING SYSTEMS (20149C1017)**

This course provides instruction in automotive technology or auto mechanics. Emphasis is placed on the practical application of brakes. ABR 223 Automotive Mechanical Components is a suitable substitute for this course. This is a CORE course.

**Credits: 3 Lab Hours: 6 Lecture Hours: 1**

### **ASE 122: STEERING AND SUSPENSION (20149C1018)**

This course provides instruction in automotive technology or auto mechanics. Emphasis is placed on the practical application of steering and suspension. This is a CORE course. ABR 255 - Steering & Suspension is a suitable substitute for this course.

**Credits: 3 Lab Hours: 6 Lecture Hours: 1**

### **ASE 124: AUTOMOTIVE ENGINES (20149C1019)**

This course provides instruction on the operation, design, and superficial repair of automotive engines. Emphasis is placed on understanding the four-stroke cycle, intake and exhaust manifolds and related parts, engine mechanical timing components, engine cooling, and lubrication system principles and repairs, and basic fuel and ignition operation. This is a CORE course and supports CIP codes 47.0604 and 15.0803.

**Credits: 3 Lab Hours: 6 Lecture Hours: 1**

### **ASE 133: MOTOR VEHICLE AIR CONDITIONING (TAKEN DURING SUMMER TERM AT WCC) (20149C1060)**

This course provides basic instruction in theory, operation, and repair of automotive heating and air conditioning systems. Emphasis is placed on the understanding and repair of vehicle air conditioning and heating systems, including but not limited to air management, electrical and vacuum controls, refrigerant recovery, and component replacement. ABR 258 - Heating and AC in Collision Repair is a suitable substitute for this course.

**Credits: 3 Lab Hours: 6 Lecture Hours: 1**

### **ASE 191: Co-Op (Taken during the Summer term at WCC)**

This course constitutes a series wherein the student works on a part-time basis in a job directly related to automotive mechanics. In these courses, the employer evaluates the student's productivity, and the student submits a descriptive report of his work experiences. Upon completion, the student will demonstrate skills learned in an employment setting.

**Credits: 2 Lab Hours: 10 Lecture Hours: 0**

### **WKO 106: Workplace Skills (22999C1001)**

This course is an overview of issues relevant to the general workforce. The course is designed to enhance students' communication, lifelong learning, interpersonal, and decision-making skills in preparation for employment and should be taken during the students' last term.

**Credits: 3 Lab Hours: 0 Lecture Hours: 3**

# Dothan City Schools Course Description Guide

## Aviation Maintenance Technology (Alabama Aviation College - A division of Enterprise State CC)

Year 1	Year 2
Semester 1: AMT 100 Technical Preparation Semester 2: AMT 102 Materials and Processes	Semester 1: AMT 101 Basic Electricity Semester 2: AMT 111 Aircraft Sheet Metal Structures
Year 3 (These classes must be approved by instructor/counselor/admin)	
Continue coursework at the Alabama Aviation College	

The following four courses can be completed in any order. These courses require a completed Enterprise State Community College application and principal and counselor recommendation. These courses are a Dual Enrollment opportunity through Enterprise State Community College's Aviation Division. Funding for Dual Enrollment technical courses are based on state Workforce Development grant money and may change without notice. Students who complete these courses can receive one high school credit and five college semester hours per course. Attendance is extremely important in these courses as required by the FAA (Federal Aviation Administration).

### Course Descriptions

#### **AMT 100 - Technical Preparation (20999C1001)**

This course introduces basic information necessary for students entering the aviation maintenance field. Math and physics aircraft weight and balance and Federal Aviation Administration (FAA) and manufacturers' technical and legal publications are emphasized. Upon completion, students should be able to make basic computations, apply physics principles, compute weight and balance, use maintenance forms and records, state mechanics' privileges and limitations, and interpret maintenance publications. This course requires a minimum of 140 hours. (A student cannot miss more than eight days in this course and receive college credit due to FAA regulations).

**Prerequisite:** Strong science and math background recommended. Students must have a 2.5 GPA, good attendance, and no disciplinary referrals

#### **AMT 101 - Basic Electricity (20999C1002)**

This course provides a study of electricity. Alternating current (AC) and direct current (DC) circuits and controls, electrical measurements, electrical test equipment, aircraft batteries, fundamental electronics, and semiconductor devices are emphasized. Upon completion, students should solve problems associated with electrical measurements, use basic electrical test equipment, and service aircraft batteries. This course requires a minimum of 140 hours. (A student cannot miss more than eight days in this course and receive college credit due to FAA regulations.)

**Prerequisite:** Strong science and math background recommended. Students must have a 2.5 GPA, good attendance, and no disciplinary referrals

#### **AMT 102 – Materials and Processes (20999C1003)**

In this course, the student will be introduced to aircraft hardware and materials, precision measuring and non-destructive testing, aircraft ground operations, fuels, cleaning and corrosion control methods, and the use of aircraft drawings. Identification and selection of aircraft hardware, performance of non-destructive testing, fabrication and inspection of flexible fluid lines, identification of fuels, use of cleaning materials, and corrosion control programs are emphasized. Upon completion, students should perform non-destructive tests, use precision measuring tools, fabricate and install rigid and flexible fluid lines, select hardware and fuels, handle and secure an aircraft, and identify, read, create, and interpret aircraft drawings. This course requires a minimum of 140 hours. (A student cannot miss more than eight days in this course and receive college credit due to FAA regulations).

**Prerequisite:** Strong science and math background recommended. Students must have a 2.5 GPA, good attendance, and no disciplinary referrals

#### **AMT 111 – Aircraft Sheet Metal Structures (20999C1005)**

This course introduces aircraft sheet metal repairs. Emphasis is placed on proper procedures, tools, and materials to complete sheet metal repairs. Upon completion, students should install conventional rivets, form, layout, and bend sheet metal, install special rivets and fasteners, and inspect and repair sheet metal structures. This course requires a minimum of 140 hours. (A student cannot miss more than eight days in this course and receive college credit due to FAA regulations).

**Prerequisite:** Strong science and math background recommended. Students must have a 2.5 GPA, good attendance, and no disciplinary referrals.

# Dothan City Schools Course Description Guide

## Biomedical Science - Project Lead the Way

Year 1	Year 2
Semester 1: Honors Foundations of Health Science (Health Credit) Semester 2: Honors Principles of Biomedical Sciences-PLTW	Semester 1: Honors Human Body Structures and Functions (Science Credit) Semester 2: Honors Human Body Systems-PLTW
Year 3	
Semester 1: CTE Lab in Health Science Semester 2: Honors Pharmacy Technician	

### Course Descriptions

**Industry Credential Opportunity: Certified Pharmacy Tech, others to be determined**

#### **14002G1001 Honors Foundations of Health Science (1 Credit - Also counts as Health Credit)**

**Fee: \$15**

A foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills.

**Prerequisite:** Highly recommended student be enrolled in advanced science

#### **14252G1002 Honors Principles of Biomedical Science-PLTW (1 Credit)**

**Fee: \$15**

A course that involves the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate the human body systems and various health conditions.

**Prerequisite:** Highly recommended student be enrolled in honors science

#### **14299G1001 Honors Human Body Structures and Functions – Science credit eligible (1 Credit)**

**Fee: \$15**

A one-credit course designed to help students learn core 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.

#### **14299G1002 Honors Human Body Systems-PLTW (1 Credit)**

**Fee: \$15**

A course that focuses on human physiology: how the body systems work together to maintain internal balance and good health. (Honors Human Body Systems can count as an Honors Anatomy Credit)

**Prerequisite:** Principles of Biomedical Science

#### **14299G1003 Honors Medical Interventions-PLTW (1 Credit)**

**Fee: \$15**

A course that provides students with experiences in investigating various medical interventions that extend and improve the quality of life, including diagnostics, surgery, bio-nanotechnology, pharmacology, prosthetics, rehabilitation, and life cycle choices. **Prerequisite:** Principles of Biomedical Science

#### **14255G1000 Honors Biomedical Innovation-PLTW (1 Credit)**

**Fee: \$15**

A capstone course that allows students to design and conduct experiments related to the diagnosis, treatment, and prevention of disease or illness. Students will present the results of their work to an audience that may include representatives from the local healthcare or business community or the school's partnership team.

**Prerequisite:** Principles of Biomedical Sciences

#### **14999G1000 Honors CTE Lab in Health Science (1 Credit)**

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# Dothan City Schools Course Description Guide

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This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Health Science through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

## **14152G1001 Honors Pharmacy Technician (1 Credit)**

**Fee: \$15**

Pharmacy Technician is a one-credit course that prepares students for the Pharmacy Technician Certification exam and a pharmaceutical career. The course covers content related to medicine, federal requirements, patient safety, quality assurance, and order processing.

**Prerequisite:** Foundations of Health Science

## **14997G1000 Honors Senior Career Path Proj-Health Science (1 Credit)**

A course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

# Dothan City Schools Course Description Guide

## Building Construction Pathway

Year 1	Year 2
Semester 1: Architecture, Construction & Manf. Semester 2: NCCER Building Construction 1	Semester 1: NCCER Building Construction 2 Semester 2: NCCER Building Construction 3
Year 3 (These classes must be approved by instructor/counselor/admin)	
<b>Option 1:</b> Work-Based Learning (CO-OP) <i>See Work-Based Learning Section</i>	<b>Option 2:</b> Senior Construction Classes Semester 1: CTE Lab in Architecture & Construction Semester 2: Senior Career Pathway Project

## Course Descriptions

**Industry Credential Opportunity:** NCCER Core, NCCER Construction Technology

### **17002G1001 Architecture, Construction and Manufacturing (1 Credit)**

**Fee: \$20**

A course that introduces students to core knowledge and skills in the areas of design, pre-construction, construction, maintenance, operations, and installation and repair, which are foundational to courses related to careers in the architecture and construction, and manufacturing industries.

### **17004G1001 NCCER Building Construction 1 - Framing (1 Credit)**

**Fee: \$20**

A course designed to complete all Core requirements for NCCER Core credentialing and to facilitate students' understanding of the framing components of typical structures. Emphasis is placed on safety, floor systems, wall and ceiling framing, stair construction, and roof framing.

**Prerequisite:** Architecture, Construction and Manufacturing

### **17005G1001 NCCER Building Construction 2 - Site Prep (1 Credit)**

**Fee: \$20**

A course designed to facilitate students' understanding of the first phases of construction, including types of structures and their uses. This course meets partial requirements for NCCER Construction Technology credentials.

**Prerequisite:** NCCER Building Construction 1

### **17005G1002 NCCER Building Construction 3 - Construction Finish (1 Credit)**

**Fee: \$20**

A course designed to provide instruction on all common exterior and interior finishing phases of a structure. This course meets partial requirements for NCCER Construction Technology credentials.

**Prerequisite:** NCCER Building Construction 2

### **17017G1000 CTE Lab in Building Construction (1 Credit)**

**Fee: \$20**

This course is an extended laboratory experience to address the advancement and specialization of careers within Architecture and Construction through individualized or small group instruction. This allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

**Prerequisite:** Instructor Approval

### **17047G1000 Senior Career Pathway Project Building Construction (1 Credit)**

**Fee: \$20**

A course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

**Prerequisite:** Instructor Approval

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# Dothan City Schools Course Description Guide

## Business Pathway

Courses
Entrepreneurship Business Software Applications I Business Software Applications II Customer Service and Sales

## Course Descriptions

### Industry Credential Opportunity: Microsoft Office Products

#### **12053G1000 Entrepreneurship (1 Credit)**

This course is designed to provide students with skills needed to effectively organize, develop, create, and manage a business. This course includes business management and entrepreneurship, communication and interpersonal skills, economics, and professional development foundations. Instructional strategies may include the development of a business plan, a school-based enterprise, computer and technology applications, real and simulated occupational experiences, or projects related to business ownership.

#### **10005G1001 Business Software Applications I (1 Credit)**

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, presentation software, 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.

#### **10005G1002 Business Software Applications II (1 Credit)**

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.

#### **12166G1002 Customer Services and Sales (1 Credit)**

This course is designed to provide instruction on basic principles of customer service and selling. This course focuses on identifying and classifying customer services, technology literacy issues related to customer service, and the human relations, leadership, organizational, and communication skills necessary for success in customer service. In addition, this course offers instruction related to selling and sales, including professional sales, sales presentations, types of compensation, and characteristics and traits associated with successful selling.

**For Students interested in Work-Based Learning (CO-OP), please see the *Work-Based Learning Section*.**



# Dothan City Schools Course Description Guide

## Computer Science Dual Enrollment - Wallace Community College

Prerequisite: Minimum 2.5 GPA

### ***Programming Essentials Short Certificate***

Fall Semester	Spring Semester
CIS 146 Microcomputer Applications CIS 150 Intro.to Computer Logic & Programming	CIS 212 Visual Basic Programming CIS 285 Object-Oriented Programming
Year 3	
<b><u>Option 1:</u></b> Work-Based Learning (CO-OP) See <i>Work-Based Learning Section</i>	<b><u>Option 2:</u></b> Go to Wallace Community College to continue in the CIS program and take courses available

**Students must meet all Dual Enrollment requirements set by Wallace Community College. These classes are offered on the Dothan Tech campus.**

### **Course Descriptions**

#### **CIS 146: Microcomputer Applications (10999C1007)**

This course is an introduction to the most common microcomputer software applications. These software packages should include typical features of applications, such as word processing, spreadsheets, database management, and presentation software. Upon completion, students will be able to utilize selected features of these packages. This course will help prepare students for the MOS and IC3 certifications.

**Credits: 3 Lab Hours: 0 Lecture Hours: 3**

#### **CIS 150: Introduction to Computer Logic and Programming (10999C1011)**

This course includes logic, design, and problem-solving techniques used by programmers and analysts in addressing and solving common programming and computing problems. The most commonly used techniques of flowcharts, structure charts, and pseudo code will be covered, and students will be expected to apply the techniques to designated situations and problems. This is a CORE course.

**Credits: 3 Lab Hours: 0 Lecture Hours: 3**

#### **CIS 212: Visual Basic Programming (10999C1036)**

This course emphasizes BASIC programming using a graphical user interface. The course will emphasize graphical user interfaces with additional topics on such topics as advanced file handling techniques, simulation, and other selected areas. Upon completion, the student will be able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests.

**Prerequisites:** CIS 150 or instructor permission.

**Credits: 3 Lab Hours: 0 Lecture Hours: 3**

#### **CIS 285: Object-Oriented Programming (10999C1075)**

This course is an advanced object-oriented programming course and covers advanced program development techniques and concepts in the context of an object-oriented language. Subject matter includes object-oriented analysis and design, encapsulation, inheritance, polymorphism (operator and function overloading), information hiding, abstract data types, reuse, dynamic memory allocation, and file manipulation. Upon completion, students should be able to develop a hierarchical class structure necessary to the implementation of an object-oriented software system.

**Prerequisite:** CIS 150

**Credits: 3 Lab Hours: 0 Lecture Hours: 3**

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# Dothan City Schools Course Description Guide

## Cosmetology Pathway

Year 1	Year 2
Semester 1: Introduction to Cosmetology** Semester 2: Introduction to Spa Techniques^^	Semester 1: Natural Hairstyling Theory Semester 2: Advanced Spa Techniques Application
Year 3	
<b><u>Option 1:</u></b> Work-Based Learning (CO-OP) <i>See Work-Based Learning Section</i>	<b><u>Option 2:</u></b> Senior Cosmetology Courses Semester 1: CTE Lab in Cosmetology Semester 2: Senior Career Pathway Project <b><u>Or</u></b> Semester 1: Natural Hairstyling Practicum Semester 2: Salon Practices and Management

## Course Descriptions

**Industry Credential Opportunity:** Natural Hair Stylist License

**\*\*NOTE:** Completion of Introduction to Cosmetology may lead to articulated credit for COS 111 – Introduction to Cosmetology (3 Credit Hours) / COS 112 - Introduction to Cosmetology Lab (3 Credit Hour) at an Alabama Community College. A Prior Learning Assessment (PLA) provided by the college may be required to earn credit.

**^^NOTE:** Completion of Introduction to Spa Techniques may lead to articulated credit for COS 117 – Basic Spa Techniques (3 Credit Hour) and COS 118 – Basic Spa Techniques Lab (3 Credit Hour) at an Alabama Community College. A Prior Learning Assessment (PLA) provided by the college may be required to earn credit.

### **19104G1000 Introduction to Cosmetology (1 Credit)\*\***

**Fee: \$20**

A course designed to provide students with a study of concepts related to the cosmetology profession. Students gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling.

### **19107G1001 Introduction to Spa Techniques (1 Credit)^^^**

**Fee: \$20**

A course that focuses on the structure and function of various body systems. This course also provides hands-on experiences in facial massage techniques, skincare, and hair removal.

**Prerequisite:** Introduction to Cosmetology

### **19103G1003 Natural Hairstyling Theory (1 Credit)**

**Fee: \$20**

Natural Hair Styling Theory is a course designed to provide instruction on scientific concepts and natural hair care and services. Theory scope of content includes infection control, safety practices, human anatomy and physiology, client consultation, analysis, documentation, services, and procedures.

**Prerequisite:** Introduction to Cosmetology

### **19107G1002 Advanced Spa Techniques (1 Credit)**

**Fee: \$20**

A course that provides students with study and experiences in advanced hair removal, cosmetic applications, skincare, and massage techniques.

**Prerequisite:** Introduction to Cosmetology and Introduction to Spa Techniques

# Dothan City Schools Course Description Guide

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## **19148G1000 Natural Hairstyling Practicum (1 Credit)**

**Fee: \$20**

Natural Hair Styling Practicum is designed to provide instruction on natural hair care services and techniques for styling and grooming natural hair. Core domain service areas include work area and client preparation, set-up of supplies, safe work practices, procedures related to services and design, and blood exposure procedures.

**Prerequisite:** Introduction to Cosmetology

## **19107G1003 Salon Practices and Management (1 Credit)**

**Fee: \$20**

A course designed to assist students in developing entry-level management skills for the cosmetology industry. Students practice all phases of cosmetology in a salon setting.

**Prerequisite:** Introduction to Cosmetology

## **19147G1003 CTE Lab in Cosmetology (1 Credit)**

**Fee: \$20**

This course is an extended laboratory experience to address the advancement and specialization of careers within Cosmetology through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

**Prerequisite:** Introduction to Cosmetology

## **19147G1001 Senior Career Pathway Project - Human Services-Cosmetology (1 Credit)**

**Fee: \$20**

A course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

**Prerequisite:** Cosmetology Instructor's approval

# Dothan City Schools Course Description Guide

## Culinary Arts Pathway

Year 1	Year 2
Semester 1: Hospitality and Tourism Semester 2: Culinary Arts I	Semester 1: Culinary Arts II Semester 2: Baking and Pastry Arts
Year 3 (These classes must be approved by instructor/counselor/admin)	
<b>Option 1:</b> Work-Based Learning (CO-OP) See <i>Work-Based Learning Section</i>	<b>Option 2:</b> Semester 1: CTE Lab in Hospitality & Tourism Semester 2: Sr Career Pathway - Hospitality & Tourism

## Course Descriptions

**Industry Credential Opportunity: ServSafe Manager**

### **16001G1000 Hospitality and Tourism (1 Credit)**

**Fee: \$35**

A foundation course designed to introduce students to the hospitality and tourism industry, the lodging industry, and culinary arts. This course is a prerequisite for Culinary Arts I, Travel and Tourism I, and Lodging I. A school-based laboratory (commercial food service kitchen with a food serving and dining area) is required for the course.

### **16053G1012 Culinary Arts I (1 Credit)**

**Fee: \$35**

A course designed to introduce 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 production. A school-based laboratory (commercial food service kitchen with a food serving and dining area) is required for this course.

**Prerequisite:** Hospitality and Tourism

### **16053G1022 Culinary Arts II (1 Credit)**

**Fee: \$35**

A course designed to provide students with advanced experiences in food production, management, and service. A school-based laboratory (commercial food-service kitchen with a food serving and dining area) is required..

**Prerequisite:** Culinary I

### **16056G1000 Baking and Pastry Arts (1 Credit)**

**Fee: \$35**

This course is designed to provide the principles of baking and pastry techniques. The course includes baking technologies, equipment, preparation procedures, production methods, pastry methods, chocolate and candy productions, the science of bread baking, confections and desserts, showpieces, cost control, food safety, and presentation techniques to create fundamental baking to the latest pastry trends.

**Prerequisite:** Culinary II

### **16097G1002 CTE Lab in Hospitality & Tourism (1 Credit)**

**Fee: \$35**

This course is an extended laboratory experience to address the advancement and specialization of hospitality & tourism careers through individualized or small group instruction. This allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

**Prerequisite:** Instructors Approval

### **16097G1001 Senior Career Pathway Project - Hospitality & Tourism (1 Credit)**

**Fee: \$35**

A course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

**Prerequisite:** Instructors approval

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# Dothan City Schools Course Description Guide

## Education and Training Pathway - Early Childhood

Year 1	Year 2
Semester 1: Education and Training Semester 2: Early Childhood Education I**	Semester 1: Early Childhood Education II** Semester 2: Child Development <u>or</u> Education Internship (Seniors only)
<b>Year 3 (Internship - These classes must be approved by instructor/counselor/admin)</b>	
Semester 1: Education & Training Internship Semester 2: Senior Career Pathway Project - Education and Training	

### Course Descriptions

**Industry Credential Opportunity: To Be Determined**

**\*\*NOTE:** Completion of Early Childhood Education I and Early Childhood Education II may lead to articulated credit for CHD 100 – Introduction to Early Care and Education of Children at an Alabama Community College. A Prior Learning Assessment (PLA) provided by the college may be required to earn credit.

#### **19151G1000 Education and Training (1 Credit)**

**Fee: \$15 plus t-shirt fee (if applicable)**

A foundation course designed for students interested in pursuing a career in education. The required school-based laboratory is a well-equipped classroom.

#### **19153G1012 Early Childhood Education I (1 Credit)\*\***

**Fee: \$15 plus t-shirt fee (if applicable)**

A course for students interested in pursuing careers that require working with children and teaching in an early childhood education program.

**Prerequisite:** Education and Training

#### **19153G1022 Early Childhood Education II (1 Credit)\*\***

**Fee: \$15 plus t-shirt fee (if applicable)**

A course that provides students with advanced knowledge and skill used to direct, operate, and teach in an early childhood education program.

**Prerequisite:** Early Childhood Education I

#### **19255G1002 Child Development (1 Credit)**

**Fee: \$15 plus t-shirt fee (if applicable)**

A one-credit course designed to help students develop skills related to children's physical, social, intellectual, and emotional development as they explore child development theories and behavior management. A school-based laboratory is required for this course.

#### **19198G1000 Education and Training Internship (1 Credit)**

A course designed for students interested in pursuing an internship experience in an educational field. Students who have completed Teaching II, Early Childhood Education II, Professional Support Services in Education, or Educational Leadership are eligible to enroll in the Education and Training Internship. A school-based laboratory (actual classroom providing grade-level subject-matter instruction) is required for the internship.

**Prerequisite:** Early Childhood Education I and Early Childhood Education II

#### **19197G1001 Senior Career Pathway Project-Education & Training (1 Credit)**

**Fee: \$15 plus t-shirt fee (if applicable)**

A course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

**Prerequisite:** Instructor Approval

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# Dothan City Schools Course Description Guide

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## **19197G1002 CTE Lab in Education & Training**

**Fee: \$15 plus t-shirt fee**

This course is an extended laboratory experience to address the advancement and specialization of careers within Education & Training through individualized or small group instruction. This allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

**Prerequisite:** Instructor Approval

# Dothan City Schools Course Description Guide

## Graphic Arts Pathway

Year 1	Year 2
Semester 1: Introduction to Graphic Arts Semester 2: Digital File Preparation	Semester 1: Advanced Digital File Preparation & Output Semester 2: Introduction to Animation and Visual Communication
Year 3	
<b>Option 1:</b> Work-Based Learning (CO-OP) <i>See Work-Based Learning Section</i>	<b>Option 2:</b> Semester 1: CTE Lab in Arts AV, TV, & Communication Semester 2: Senior Career Pathway Project - Arts, AV Tech & Communications

## Course Descriptions

**Industry Credential Opportunity:** Adobe InDesign Certified Associate, Adobe Photoshop Certified Associate, Adobe Illustrator Certified Associate, Adobe Animate

### **11155G1000 Introduction to Graphic Arts (1 Credit)**

**Fee: \$20**

A course that introduces students to basic principles, procedures, and operations of the printing industry. Emphasis is placed on image preparation, press operations, computer-to-plate printing processes, and finishing operations in a laboratory setting. A school-based laboratory is required for this course.

### **11153G1012 Digital File Preparation (1 Credit)**

**Fee: \$20**

A course providing practical application of skills in word processing, interpreting production information, illustration, image editing, page layout, image capture, graphics, and manipulation of text. A school-based laboratory is required for this course.

**Prerequisite:** Introduction to Graphic Arts

### **11153G1022 Advanced Digital File Preparation and Output (1 Credit)**

**Fee: \$20**

This is a course that provides students with industry-focused laboratory experiences. Emphasis is placed on digital photography and imaging, file storage and transfer, and computer-to-plate operations. Upon completion of the course, students are able to create logo designs; digital page layouts; and multiple-page jobs with pagination, folds, and guides.

**Prerequisite:** Introduction to Graphic Arts and Digital File Preparation

### **12165G1002 Introduction to Animation and Visual Communication (1 Credit)**

**Fee \$20**

A one-credit course that is designed to introduce students to the animation industry, including animation production and film direction.

### **11051G1001 Introduction to Advertising Design (1 Credit)**

**Fee: \$20**

A course that provides students with in-depth, hands-on industry-focused laboratory experiences. A school-based laboratory is required for this course.

**Prerequisite:** Introduction to Graphic Arts and Advanced Digital File Preparation and Output

### **12165G1002 Introduction to Animation and Visual Communication (1 Credit)**

**Fee: \$20**

A one-credit course that is designed to introduce students to the animation industry including animation production and film direction.

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# Dothan City Schools Course Description Guide

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## **11197G1002 CTE Lab in Arts AV, TV, & Communication (1 Credit)**

**Fee: \$20**

This course is an extended laboratory experience to address the advancement and specialization of careers within Arts, AV Television, and Communication through individualized or small group instruction. This allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

**Prerequisite:** Graphic Arts Instructor approval

## **11197G1001 Senior Career Pathway Project - Arts, AV Tech & Communications (1 Credit)**

**Fee: \$20**

A course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

**Prerequisite:** Graphic Arts Instructor approval

# Dothan City Schools Course Description Guide

## Health Science Pathway

Year 1	Year 2 - Option 1
Semester 1: Honors Foundations of Health Science (Health Credit) Semester 2: Honors Therapeutic Services	Semester 1: Honors Human Body Structures and Functions (Science Credit) Semester 2: Honors Sports Medicine Fundamentals
Year 2 - Option 2 and/or Year 3 (These classes must be approved by instructor/counselor/admin)	
Semester 1: Patient Care Technician Semester 2: Health Science Internship <u>or</u> CTE Lab in Health Science	

## Course Descriptions

**Stackable Industry Credential Opportunity:** American Heart Association HeartSaver CPR/First Aid - Therapeutic Services, American Heart Basic Life Support - Internship

### **14002G1001 Honors Foundations of Health Science (1 Credit - Also counts as Health Credit)**

**Fee: \$15**

A foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills.

**Prerequisite:** Highly recommended student be enrolled in advanced science

### **14099G1000 Honors Therapeutic Services (1 Credit)**

**Fee: \$15**

A 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.

**Prerequisite:** Honors Foundations of Health Science

### **14299G1001 Honors Human Body Structures and Functions – Science credit eligible (1 Credit)**

**Fee: \$15**

A one-credit course designed to help students learn core 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.

### **14149G1000 Honors Diagnostic Services (1 Credit)**

**Fee: \$15**

A course designed to introduce students to careers in the diagnostic services pathway, including electrocardiographic technician, medical laboratory technologist, radiographic technician, and pathologist.

**Prerequisite:** Honors Foundations of Health Science

### **14062G1003 Honors Sports Medicine Fundamentals (1 Credit)**

**Fee: \$15**

A course that will provide an overview of the field of sports medicine as well as expose students to fundamental skills. The importance of legal and ethical concerns will be emphasized. Students will learn about career opportunities, medical terminology, safety, assessment, and emergency preparedness in sports medicine.

**Prerequisite:** Honors Foundations of Health Science

### **14062G1001 Honors Sports Medicine Intermediate (1 Credit)**

**Fee: \$15**

It is a 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.

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# Dothan City Schools Course Description Guide

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## **14051G1000 Honors Patient Care Technician (1 Credit)**

**Fee: \$15**

Patient Care Technician is a one-credit-course that provides students the opportunity to become effective and efficient multi-skilled healthcare providers. Students will develop a working knowledge of advanced patient care skills, vital signs, 12-lead EKG, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing. Essential workforce skills and safety will be emphasized, as well as professional ethics, and legal responsibilities. Students will ascertain employability skills and soft skills required by business and industry. Upon successful completion of required theory, lab, and simulation, students may be eligible to sit for Patient Care Technician Certification. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

## **14298G2000 Honors Health Science Internship (1 Credit)**

**Fee: \$40**

This is a one or two-credit course designed for students in Grades 11 or 12. This course provides students with the knowledge and skills necessary to become healthcare workers or prepare students for postsecondary healthcare education programs. Theory and laboratory components comprise at least ten percent of the course. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facility.

**Prerequisite:** Instructor Approval and Honors Foundations of Health Science

**Credentials:** Certified Patient Care Technician (Internship)

## **14999G1000 Honors CTE Lab in Health Science (1 Credit)**

**Fee: \$20**

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Health Science through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

# Dothan City Schools Course Description Guide

## Pre-Engineering (Project Lead The Way)

Year 1	Year 2
Semester 1: Honors Foundations of Engineering and Technology Semester 2: Applications of Engineering and Technology	Semester 1: Honors Engineering Essentials Semester 2: Honors Introduction to Engineering Design -PLTW
Year 3 (These classes must be approved by instructor/counselor/admin)	
<b>Option 1:</b> Work-Based Learning (CO-OP) <i>See Work-Based Learning Section</i>	<b>Option 2:</b> Senior Engineering Classes Semester 1: CTE Lab in Engineering Semester 2: Senior Career Pathway Project

## Course Descriptions

**Industry Credential Opportunity:** Autodesk Inventor Certified User

### **21005G1000 Honors Foundations of Engineering and Technology (1 Credit)**

**Fee: \$20**

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.

### **21002G1000 Honors Applications of Engineering and Technology (1Credit)**

**Fee: \$20**

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.

### **21026G1000 Honors Engineering Essentials (1 Credit)**

**Fee: \$20**

A course designed for high school students to explore the work of engineers and their role in the design and development of solutions to real-world problems.

**Corequisite:** Highly recommended honors - math course.

### **21018G1000 Honors Introduction to Engineering Design -PLTW (1 Credit)**

**Fee: \$20**

A course that uses a design development process while enriching problem-solving skills. Students create and analyze models using specialized computer software.

**Corequisite:** Highly recommended honors - math course.

# Dothan City Schools Course Description Guide

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## **21022G1000 Honors Computer Integrated Manufacturing-PLTW (1 Credit)**

**Fee: \$20**

A course designed to enhance computer modeling skills by applying principles of robotics and automation to the creation of models of three-dimensional designs.

**Prerequisite:** Introduction to Engineering Design

## **21021G1000 Honors Civil Engineering and Architecture – PLTW (1 Credit)**

**Fee: \$20**

A one-credit course that introduces students to the interdependent fields of civil engineering and architecture. Students learn project planning, site planning, and building design.

## **21997G1000 CTE Lab in STEM (1 Credit)**

**Fee: \$20**

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within STEM through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

## **21047G1001 Career Pathway Project in STEM (1 Credit)**

**Fee: \$20**

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 prepare students for the workplace or further education.

# Dothan City Schools Course Description Guide

## Television Production Pathway

Year 1	Year 2
Semester 1: Introduction to Television Production Semester 2: Television Production Studio Oper.	Semester 1: Television Production-Photography/Editing Semester 2: Advanced Television Production
Year 3 (These classes must be approved by instructor/counselor/admin)	
<u><b>Option 1:</b></u> Work-Based Learning (CO-OP) See <i>Work-Based Learning Section</i>	<u><b>Option 2:</b></u> Semester 1: CTE Lab in Arts AV, TV, & Communication Semester 2: Senior Career Pathway Project - Arts, AV Tech & Communications

## Course Descriptions

**Industry Credential Opportunity:** Adobe Certification Premiere Pro - Certified Associate (Year 1)

### **11051G1015 Introduction to Television Production (1 Credit)**

**Fee: \$10**

A course that provides students with knowledge of television production skills and operations. Students participate in classroom and laboratory experiences in television performance, production, and operations. A school-based television studio is required for this course.

### **11051G1035 Television Production -Studio Operations (1 Credit)**

**Fee: \$10**

A course that provides students with opportunities to participate through real-world laboratory experiences in studio operations. A school-based television studio is required for this course.

**Prerequisite:** Introduction to Television Production

### **11051G1045 Television Production-Photography and Editing (1 Credit)**

**Fee: \$10**

A course that provides students with a variety of real-world learning opportunities through laboratory experiences in photography and editing for television productions. A school-based television studio is required for this course.

**Prerequisite:** Television Production -Studio Operations

### **11051G1055 Advanced Television Production (1 Credit)**

**Fee: \$10**

A course that provides students with the opportunity to create and market video productions. Students work independently or in groups to create special long-term projects. Students who successfully complete this course are prepared for further study at the college level or for entry-level positions in the television, film, and communications industry.

**Prerequisite:** Television Production-Photography and Editing

### **11197G1002 CTE Lab in Arts AV, TV, & Communication (1 Credit)**

**Fee: \$10**

This course is an extended laboratory experience to address the advancement and specialization of careers within Arts, AV Television, and Communication through individualized or small group instruction. This allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

**Prerequisite:** Instructor approval

### **11197G1001 Senior Career Pathway Project -Arts, AV Tech & Communications (1 Credit)**

**Fee: \$10**

A course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

**Prerequisite:** Instructor approval

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# Dothan City Schools Course Description Guide

## Welding Pathway

Year 1	Year 2
Semester 1: Architecture, Construction & Manuf. Semester 2: NCCER Welding 1	Semester 1: NCCER Welding 2 Semester 2: NCCER Welding 3
<b>Year 3</b> (These classes must be approved by instructor/counselor/admin)	
<u><b>Option 1:</b></u> Work-Based Learning (CO-OP) See <i>Work-Based Learning Section</i>	<u><b>Option 2:</b></u> Senior Welding Classes Semester 1: CTE Lab in Architecture & Construction Semester 2: Senior Career Pathway Project

## Course Descriptions

**Industry Credential Opportunity:** NCCER Core, NCCER Welding

### **17002G1001 Architecture, Construction, and Manufacturing (1 Credit)**

**Fee: \$20**

A course that introduces students to core knowledge and skills in the areas of design, pre-construction, construction, maintenance, operations, and installation and repair, which are foundational to courses related to careers in the architecture and construction, and manufacturing industries.

### **13207G1014 NCCER Welding 1 (1 Credit)**

**Fee: \$20**

This is the first of 4 required courses in the Welding Technologies Pathway. It is designed to complete all core requirements for NCCER Core credentialing and provide students with fundamental knowledge and skills emphasizing the use of hand tools, power tools, welding theory, and practice for use in the manufacturing and construction industry. This entry-level course is required for NCCER Welding Level I credentialing and may be taken as one of the optional technical courses with credit applied to the Industrial Maintenance Technology area.

**Prerequisite:** Architecture, Construction & Manufacturing

### **13207G1024 NCCER Welding 2 (1 Credit)**

**Fee: \$20**

This is the second of 4 required courses in the welding Technologies pathway. Topics include basic shielded metal arc welding, blueprint reading, weld symbols, joint identification, and print reading. Emphasis is placed on fundamental knowledge-guided practice and NCCER Welding Level I requirements.

**Prerequisite:** NCCER Welding 1

### **13207G1034 NCCER Welding 3 (1 Credit)**

**Fee: \$20**

This is the third of 4 required courses in the Welding Technologies pathway. It is designed to provide students with theory, practice, and skills development. Emphasis is placed on the application and operation of shielded metal arc welding (SMAW) equipment in the vertical, 3-F and overhead, 4-F positions leading to NCCER Welding Level I Credentialing.

**Prerequisite:** NCCER Welding 2

### **17017G1000 CTE Lab in Architecture & Construction (1 Credit)**

This course is an extended laboratory experience to address the advancement and specialization of careers within Architecture and Construction through individualized or small group instruction. This allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

**Prerequisite:** Welding Instructor approval

### **17047G1000 Senior Career Pathway Project-Architecture and Construction (1 Credit)**

A course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in an in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a audience.

**Prerequisite:** Welding Instructor approval

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## Work-Based Learning (Co-Op) Grades 11-12

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### Course Descriptions

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#### **22998G1014 Work-Based Learning (CO-OP) I**

1 Credit - 1st Credit

#### **22998G1024 Work-Based Learning (CO-OP) II**

1 Credit - 2nd Credit

#### **22998G1034 Work-Based Learning (CO-OP) III**

1 Credit - 3rd Credit

#### **22998G1044 Work-Based Learning (CO-OP) IV**

1 Credit - 4th Credit

The course allows students to evaluate and develop a career plan and update a career portfolio. Students are dismissed early from school to work in local businesses and schools. Positions are earned through job interviews. Students must work a minimum number of 140 continuous and successful hours and are required to keep a record of hours worked. Students must provide their own transportation. Applications can be obtained from the instructor. Once the student application is approved by the instructor and students have secured a work placement, they will work with guidance to adjust student schedules.

**Prerequisite:** Completion of Career Preparedness or any other career technical credit. Student application is required.

# **DIPLOMA PATHWAY CHECKLIST**

# Dothan City Schools Course Description Guide

<b>Advanced Academic Endorsement Pathway Diploma Checklist</b> (Applies to Graduating Class 2023)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	Honors English 9	
		Honors English 10	
		Honors English 11 or AP/post-secondary equivalent course	
		Honors English 12 or AP/post-secondary equivalent course	
Mathematics	4 Credits	Honors Geometry with Data Analysis	
		Honors Algebra I with Probability (could have been taken in 8th grade for credit dependent upon the ALSDE course of study)	
		Honors Algebra II with Trigonometry or Honors Algebra II with Statistics (dependent upon the ALSDE course of study)	
		Additional course(s) to complete four credits in Mathematics must be chosen from math electives or AP/CTE/post-secondary equivalent courses.	
Social Studies	4 Credits	Honors/AP World History	
		Honors US History to 1877 or AP/post-secondary equivalent course	
		Honors US History from 1877 or AP/post-secondary equivalent course	
		½ credit Honors US Government or AP/post-secondary equivalent course ½ credit Honors Economics or AP/post-secondary equivalent course	
Science	4 Credits	Honors Biology	
		An Honors Physical Science course to include Honors Chemistry or AP Physics	
		Two additional Science credits or AP/post-secondary equivalent courses	
Physical Education	1 Credit	Beginning Kinesiology	
		One JROTC or one Varsity Athletic credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
CTE/ Foreign Language/ Arts Edu.	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness	1 Credit		
Electives	2.5 Credits		
<b>Total</b>	<b>24 Credits</b>		

# Dothan City Schools Course Description Guide

<b>Alternate Achievement Standards Endorsement Pathway Diploma Checklist</b> (Applies to Graduating Class 2023)			
<b>Content Area</b>	<b>Number of Credits Required</b>	<b>Courses Offered</b>	
English/Language Arts	4 Credits	English Language Arts 9	
		English Language Arts 10	
		English Language Arts 11	
		English Language Arts 12	
Mathematics	4 Credits	Mathematics 9	
		Mathematics 10	
		Mathematics 11	
		Mathematics 12	
Social Studies	4 Credits	Social Studies 9	
		Social Studies 10	
		Social Studies 11	
		Social Studies 12	
Science	4 Credits	Science 9	
		Science 10	
		Science 11	
		Science 12	
Required Electives	2.5 Credits	Beginning Kinesiology	
		Health ½ Semester	
		Career Preparedness	
Additional Electives	2.5 Credits		
Vocational & Community-based	3 Credits	Vocational Beyond 12th Grade	
		Community-Based Instruction 12th Grade	
		Life Skills 12th Grade	
<b>Total</b>	<b>24 Credits</b>		

# Dothan City Schools Course Description Guide

<b>Essentials Skills Endorsement Pathway</b> <b>Diploma Checklist</b> (Applies to Graduating Class 2023)			
Content Area	Number of Credits Required	Courses Offered	
English/Language Arts	4 Credits	English 9 or English Essentials 9	
		English 10 or English Essentials 10	
		English 11 or English Essentials 11	
		English 12 or English Essentials 12	
Mathematics (Algebra I or Geometry can be split into an A course and B course and earn two credits for either Algebra or Geometry)	4 Credits	Algebra I or Algebraic Essentials	
		Algebra IA or Algebraic Essentials A, and Algebra IB or Algebraic Essentials B	
		Geometry A or Geometry Essentials A, and Geometry B or Geometry Essentials B	
		Algebra II w/Trig/Algebra II/Algebra w/Finance/Career Math or Essentials Algebra II/Essentials Algebra II w/Trig/Essentials Algebra w/Finance	
Social Studies	4 Credits	World History or Essentials I: World History	
		US History I or Essentials II: US History to 1877	
		US History II or Essentials III: US History from 1877	
		½ credit US Government or Essentials IV: US Government ½ credit Economics or Essentials IV: Economics	
Science	4 Credits	Biology or Essentials Biology	
		Physical Science or Essentials Physical Science	
		Additional Science Credit or Essentials Earth and Space Science	
		Additional Science Credit or Essentials Human Anatomy & Physiology	
Required Electives	2.5 Credits	Beginning Kinesiology	
		Health Education ½ Semester	
		Career Preparedness	
Career Technical Education	4 Credits	Career & Technical Education (two credits)	
		Workforce Essentials or Transition Services II	
		Cooperative Education/Work-Based Learning or Essentials Career Preparation	
Additional Electives	1.5 Credit		
<b>Total</b>	<b>24 Credits</b>		

# Dothan City Schools Course Description Guide

<b>General Education Endorsement Pathway Diploma Checklist</b> (Applies to Graduating Class 2023)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	English 9	
		English 10	
		English 11 or AP/ post-secondary equivalent course	
		English 12 or AP/ post-secondary equivalent course	
Mathematics	4 Credits	Geometry with Data Analysis	
		Algebra I with Probability (could have been taken in 8th grade for credit dependent upon the ALSDE course of study)	
		Algebra II with Trigonometry or Algebra II with Statistics, (dependent upon the ALSDE course of study)	
		Additional course(s) to complete four credits in mathematics must be chosen from math electives or AP/CTE/ or post-secondary equivalent courses	
Social Studies	4 Credits	World History or AP World History	
		US History to 1877 or AP/ post-secondary equivalent course	
		US History from 1877 or AP/ post-secondary equivalent course	
		½ credit US Government or AP/ post-secondary equivalent course	
		½ credit Economics or AP/post-secondary equivalent course	
Science	4 Credits	Biology	
		A Physical Science Course (Chemistry, Physics, or Physical Science)	
		2 additional Science Credits (Science-credit eligible options may include: Science courses, Career and Technical Education/Advanced Placement/Postsecondary courses/SDE-approved courses)	
Physical Education	1 Credit	Beginning Kinesiology	
		One JROTC or one Varsity Athletic credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
CTE/ Foreign Language/ Arts Edu.	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness	1 Credit		
Electives	2.5 Credits		
<b>Total</b>	<b>24 Credits</b>		

# Dothan City Schools Course Description Guide

<b>Advanced Academic Endorsement Pathway</b> <b>Diploma Checklist</b> (Applies to Graduating Classes of 2024 and 2025)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	Honors English 9	
		Honors English 10	
		Honors English 11 or AP/post-secondary equivalent course	
		Honors English 12 or AP/post-secondary equivalent course	
Mathematics	4 Credits	Honors Geometry with Data Analysis	
		Honors Algebra I with Probability (could have been taken in 8th grade for credit dependent upon the ALSDE course of study)	
		Honors Algebra II with Statistics	
		Additional course(s) to complete four credits in Mathematics must be chosen from math electives or AP/CTE/post-secondary equivalent courses.	
Social Studies	4 Credits	Honors/AP World History	
		Honors US History to 1877 or AP/post-secondary equivalent course	
		Honors US History from 1877 or AP/post-secondary equivalent course	
		½ credit Honors US Government or AP/post-secondary equivalent course ½ credit Honors Economics or AP/post-secondary equivalent course	
Science	4 Credits	Honors Biology	
		An Honors Physical Science course to include Honors Chemistry or AP Physics	
		Two additional Science credits or AP/post-secondary equivalent courses	
Physical Education	1 Credit	Beginning Kinesiology	
		One JROTC or one Varsity Athletic credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
CTE/ Foreign Language/ Arts Edu.	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness	1 Credit		
Electives	4.5 Credits		
<b>Total</b>	<b>26 Credits</b>		



# Dothan City Schools Course Description Guide

<b>Alternate Achievement Standards Endorsement Pathway Diploma Checklist</b> (Applies to Graduating Classes of 2024 and 2025)			
<b>Content Area</b>	<b>Number of Credits Required</b>	<b>Courses Offered</b>	
English/Language Arts	4 Credits	English Language Arts 9	
		English Language Arts 10	
		English Language Arts 11	
		English Language Arts 12	
Mathematics	4 Credits	Mathematics 9	
		Mathematics 10	
		Mathematics 11	
		Mathematics 12	
Social Studies	4 Credits	Social Studies 9	
		Social Studies 10	
		Social Studies 11	
		Social Studies 12	
Science	4 Credits	Science 9	
		Science 10	
		Science 11	
		Science 12	
Required Electives	2.5 Credits	Beginning Kinesiology	
		Health ½ Semester	
		Career Preparedness	
Additional Electives	4.5 Credits		
Vocational & Community-based	3 Credits	Vocational Beyond 12th Grade	
		Community-Based Instruction 12th Grade	
		Life Skills 12th Grade	
<b>Total</b>	<b>26 Credits</b>		

# Dothan City Schools Course Description Guide

<b>Essentials Skills Endorsement Pathway</b> <b>Diploma Checklist</b> (Applies to Graduating Classes of 2024 and 2025)			
Content Area	Number of Credits Required	Courses Offered	
English/Language Arts	4 Credits	English 9 or English Essentials 9	
		English 10 or English Essentials 10	
		English 11 or English Essentials 11	
		English 12 or English Essentials 12	
Mathematics	4 Credits	Geometry with Data Analysis Essentials	
		Algebra I with Probability Essentials	
		Algebra II with Statistics Essentials	
		Mathematical Modeling Essentials	
Social Studies	4 Credits	World History or Essentials I: World History	
		US History I or Essentials II: US History to 1877	
		US History II or Essentials III: US History from 1877	
		½ credit US Government or Essentials IV: US Government	
		½ credit Economics or Essentials IV: Economics	
Science	4 Credits	Biology or Essentials Biology	
		Physical Science or Essentials Physical Science	
		Additional Science Credit or Essentials Earth and Space Science	
		Additional Science Credit or Essentials Human Anatomy & Physiology	
Required Electives	2.5 Credits	Beginning Kinesiology	
		Health Education ½ Semester	
		Career Preparedness	
Career Technical Education	4 Credits	Career & Technical Education (two credits)	
		Workforce Essentials or Transition Services II	
		Cooperative Education/Work-Based Learning or Essentials Career Preparation	
Additional Electives	3.5 Credit		
<b>Total</b>	<b>26 Credits</b>		

# Dothan City Schools Course Description Guide

<b>General Education Endorsement Pathway Diploma Checklist</b> (Applies to Graduating Classes of 2024 and 2025)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	English 9	
		English 10	
		English 11 or AP/ post-secondary equivalent course	
		English 12 or AP/ post-secondary equivalent course	
Mathematics	4 Credits	Geometry with Data Analysis	
		Algebra I with Probability (could have been taken in 8th grade for credit dependent upon the ALSDE course of study)	
		Algebra II with Statistics	
		Additional course(s) to complete four credits in mathematics must be chosen from math electives or AP/CTE/ or post-secondary equivalent courses	
Social Studies	4 Credits	World History or AP World History	
		US History to 1877 or AP/ post-secondary equivalent course	
		US History from 1877 or AP/ post-secondary equivalent course	
		½ credit US Government or AP/ post-secondary equivalent course	
		½ credit Economics or AP/post-secondary equivalent course	
Science	4 Credits	Biology	
		A Physical Science Course (Chemistry, Physics, or Physical Science)	
		2 additional Science Credits (Science-credit eligible options may include: Science courses, Career and Technical Education/Advanced Placement/Postsecondary courses/SDE-approved courses)	
Physical Education	1 Credit	Beginning Kinesiology	
		One JROTC or one Varsity Athletic credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
CTE/ Foreign Language/ Arts Edu.	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness	1 Credit		
Electives	4.5 Credits		
<b>Total</b>	<b>26 Credits</b>		

# Dothan City Schools Course Description Guide

<b>Advanced Academic Endorsement Pathway</b> <b>Diploma Checklist</b> (Applies to Graduating Classes after 2025)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	Honors English 9	
		Honors English 10	
		Honors English 11 or AP/post-secondary equivalent course	
		Honors English 12 or AP/post-secondary equivalent course	
Mathematics	4 Credits	Honors Geometry with Data Analysis	
		Honors Algebra I with Probability (Completion of Grade 7 AND Grade 8 Accelerated Math will grant the ability to bypass Algebra I with Probability)	
		Honors Algebra II with Statistics	
		Additional course(s) to complete four credits in Mathematics must be chosen from math electives or AP/CTE/post-secondary equivalent courses.	
Social Studies	4 Credits	Honors/AP World History	
		Honors US History to 1877 or AP/post-secondary equivalent course	
		Honors US History from 1877 or AP/post-secondary equivalent course	
		½ credit Honors US Government or AP/post-secondary equivalent course	
		½ credit Honors Economics or AP/post-secondary equivalent course	
Science	4 Credits	Honors Biology	
		An Honors Physical Science course to include Honors Chemistry or AP Physics	
		Two additional Science credits or AP/post-secondary equivalent courses	
Physical Education	1 Credit	Beginning Kinesiology	
		One JROTC or one Varsity Athletic credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
CTE/ Foreign Language/ Arts Edu.	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness	1 Credit		
Electives	5.5 Credits		
<b>Total</b>	<b>27 Credits</b>		

# Dothan City Schools Course Description Guide

<b>Alternate Achievement Standards Endorsement Pathway Diploma Checklist</b> (Applies to Graduating Classes after 2025)			
<b>Content Area</b>	<b>Number of Credits Required</b>	<b>Courses Offered</b>	
English/Language Arts	4 Credits	English Language Arts 9	
		English Language Arts 10	
		English Language Arts 11	
		English Language Arts 12	
Mathematics	4 Credits	Mathematics 9	
		Mathematics 10	
		Mathematics 11	
		Mathematics 12	
Social Studies	4 Credits	Social Studies 9	
		Social Studies 10	
		Social Studies 11	
		Social Studies 12	
Science	4 Credits	Science 9	
		Science 10	
		Science 11	
		Science 12	
Required Electives	2.5 Credits	Beginning Kinesiology	
		Health ½ Semester	
		Career Preparedness	
Additional Electives	5.5 Credits		
Vocational & Community-based	3 Credits	Vocational Beyond 12th Grade	
		Community-Based Instruction 12th Grade	
		Life Skills 12th Grade	
<b>Total</b>	<b>27 Credits</b>		

# Dothan City Schools Course Description Guide

<b>Essentials Skills Endorsement Pathway</b> <b>Diploma Checklist</b> (Applies to Graduating Classes after 2025)			
Content Area	Number of Credits Required	Courses Offered	
English/Language Arts	4 Credits	English 9 or English Essentials 9	
		English 10 or English Essentials 10	
		English 11 or English Essentials 11	
		English 12 or English Essentials 12	
Mathematics	4 Credits	Geometry with Data Analysis Essentials	
		Algebra I with Probability Essentials	
		Algebra II with Statistics Essentials	
		Mathematical Modeling Essentials	
Social Studies	4 Credits	World History or Essentials I: World History	
		US History I or Essentials II: US History to 1877	
		US History II or Essentials III: US History from 1877	
		½ credit US Government or Essentials IV: US Government	
		½ credit Economics or Essentials IV: Economics	
Science	4 Credits	Biology or Essentials Biology	
		Physical Science or Essentials Physical Science	
		Additional Science Credit or Essentials Earth and Space Science	
		Additional Science Credit or Essentials Human Anatomy & Physiology	
Required Electives	2.5 Credits	Beginning Kinesiology	
		Health Education ½ Semester	
		Career Preparedness	
Career Technical Education	4 Credits	Career & Technical Education (two credits)	
		Workforce Essentials or Transition Services II	
		Cooperative Education/Work-Based Learning or Essentials Career Preparation	
Additional Electives	4.5 Credit		
<b>Total</b>	<b>27 Credits</b>		

# Dothan City Schools Course Description Guide

<b>General Education Endorsement Pathway Diploma Checklist</b> (Applies to Graduating Classes of 2024 and 2025)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	English 9	
		English 10	
		English 11 or AP/ post-secondary equivalent course	
		English 12 or AP/ post-secondary equivalent course	
Mathematics	4 Credits	Geometry with Data Analysis	
		Algebra I with Probability	
		Algebra II with Statistics	
		Additional course(s) to complete four credits in mathematics must be chosen from math electives or AP/CTE/ or post-secondary equivalent courses	
Social Studies	4 Credits	World History or AP World History	
		US History to 1877 or AP/ post-secondary equivalent course	
		US History from 1877 or AP/ post-secondary equivalent course	
		½ credit US Government or AP/ post-secondary equivalent course	
		½ credit Economics or AP/post-secondary equivalent course	
Science	4 Credits	Biology	
		A Physical Science Course (Chemistry, Physics, or Physical Science)	
		2 additional Science Credits (Science-credit eligible options may include: Science courses, Career and Technical Education/Advanced Placement/Postsecondary courses/SDE-approved courses)	
Physical Education	1 Credit	Beginning Kinesiology	
		One JROTC or one Varsity Athletic credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
CTE/ Foreign Language/ Arts Edu.	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness	1 Credit		
Electives	5.5 Credits		
<b>Total</b>	<b>27 Credits</b>		