

Dothan City Schools
COURSE DESCRIPTION GUIDE
For Grades 9 - 12



Graduation For All!

DCS Board Approved January 27, 2020

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 Director of Curriculum and Instruction approval. Designated schools may participate in innovative pilot programs and offer courses which 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 the 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 parents 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 provides 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

Carol Cunningham, Section 504 Coordinator & ADA Specialist

1665 Honeysuckle Road – Dothan, AL 36305

(334) 793-1397

ACADEMICS

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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.

600439 AAS: English Language Arts-9 (1 Credit)

600440 AAS: English Language Arts-10 (1 Credit)

600441 AAS: English Language Arts-11 (1 Credit)

600442 AAS: English Language Arts-12 (1 Credit)

600459 AAS: Mathematics-9 (1 Credit)

600460 AAS: Mathematics-10 (1 Credit)

600461 AAS: Mathematics-11 (1 Credit)

600462 AAS: Mathematics-12 (1 Credit)

600479 AAS: Science-9 (1 Credit)

600480 AAS: Science-10 (1 Credit)

600481 AAS: Science-11 (1 Credit)

600482 AAS: Science-12 (1 Credit)

600499 AAS: Social Studies-9 (1 Credit)

600500 AAS: Social Studies-10 (1 Credit)

600501 AAS: Social Studies-11 (1 Credit)

600502 AAS: Social Studies-12 (1 Credit)

600503 AAS: Health-10th Grade (½ Credit)

600512 AAS: Career Preparedness (1 Credit)

650202 AAS: Reading Beyond - 12th Grade (1 Credit)

650602 AAS: Mathematics Beyond - 12th Grade (1 Credit)

651112 AAS: Community-Based Instruction Beyond - 12th Grade (1 Credit)

651612 AAS: Life Skills Beyond - 12th Grade (1 Credit)

653205 AAS: Vocational Beyond - 12th Grade (1 Credit)

654207 AAS: Elective Beyond - 12th Grade (1 Credit)

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

400025 Career Preparedness (1 Credit)

A course that is taught in Grades 10-12. 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 the Dothan City Schools. Fees/costs may apply. Interested students should speak with their school principal and counselor.

Drivers Education

290001 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 the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage. 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 the writing of 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 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 I

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 severed. 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.

200005 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.

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

200006 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.

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

200009 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 and improve vocabulary, as well as analyze and evaluate print and non-print sources. **Note:** This course has a mandatory summer reading assignment. Students may be required to purchase texts.

200010 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. **Note:** This course has a mandatory summer reading assignment. Students may be required to purchase texts.

200013 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. **Note:** This course has a mandatory summer reading assignment.

200014 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. **Note:** This course has a mandatory summer reading assignment. Students may be required to purchase texts.

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200016 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 has a significant summer reading assignment. Students who wish to take AP Language and Composition are responsible for procuring a copy of this assignment when they enroll in the course. Students may be required to purchase texts.

200017 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. **Note:** This course has a mandatory summer reading assignment. Students may be required to purchase texts.

200018 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. **Note:** This course has 2 mandatory summer reading requirements. **Recommendation:** "C" average and/or teacher recommendation. This course has 1 mandatory summer reading requirement. Students may be required to purchase texts.

200020 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 has a mandatory summer reading assignment. Students may be required to purchase texts. Students who wish to take AP Literature and Composition are responsible for procuring a copy of this assignment when they enroll in the course.

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English Language Arts Electives

200025 Bible as Literature (1 Credit - Elective Credit Only)

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

200033 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

200036 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.

200039 Creative Writing (½ Credit - Elective Credit Only)

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

Composing poetry, short stories, and critical responses

230089 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 argument, collaborate, and communicate using various media; facilitates the exploration of real-world issues through 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.

Prerequisite: Approval of the Instructor or School Counselor

230088 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.

Prerequisite: AP Seminar

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.

600301 Transition Services (1 Credit)

This course is designed to teach 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.

700005 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 Postsecondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.

700006 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 Postsecondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.

700007 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 Postsecondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.

700008 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 Postsecondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.

750601 Algebraic Essentials (1 Credit)

This course combines Algebraic Essentials A and B into a one year, one-credit course. The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials pathway. This course provides students with foundational skills identified in the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.

700016 Algebraic Essentials-A (1 Credit)

The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials/Life Skills Pathway. This course provides students with foundational skills identified in the first half of the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.

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700017 Algebraic Essentials-B (1 Credit)

The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials/Life Skills Pathway. This course provides students with foundational skills identified in the second half of the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.

750651 Geometry Essentials (1 Credit)

This course combines Algebraic Essentials A and B into a one year, one-credit course. The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials pathway. This course provides students with foundational skills identified in the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.

700018 Geometry Essentials-A (1 Credit)

The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials/Life Skills Pathway. This course provides students with foundational skills identified in the first half of the general education Geometry course. The course includes essential concepts to equip students with the geometry skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.

700019 Geometry Essentials-B (1 Credit)

The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials/Life Skills Pathway. This course provides students with foundational skills identified in the second half of the general education Geometry course. The course includes essential concepts to equip students with the geometry skills necessary for employment and independent living skills. Teachers must meet highly qualified teacher status for the appropriate course and grade.

750701 Essentials Algebra II (1 Credit)

The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials pathway. This course provides students with foundational skills identified in the general education Algebra II course. The course includes algebra concepts to equip students with more advanced algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.

750801 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.

700031 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.

700032 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.

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700033 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.

700034 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.

700035 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.

750101 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.

750201 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.

750301 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.

750401 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.

700043 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.

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Fine Arts

Art

280101 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. **Prerequisite:** Visual Arts, Introduction to Visual Arts I.

280102 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.

280103 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. 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.

286009 Visual Arts, Elements of Arts Literacy (½ Credit)

Fee: \$16.00

This half credit course will provide instruction on the basic elements of art and principles of design 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.

286102 Visual Arts, Introduction to Photography I (1 Credit)

Fee: \$20.00

This one credit course, novice level, it 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.

286100 Visual Arts, Introduction to Visual Arts I (1 Credit)

Fee: \$25.00

This course, novice level, it 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 allows 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 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.

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286210 Visual Arts, Drawing (II) (1 Credit)

Fee: \$40.00

This course, intermediate level, is the first of a sequential high school course 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 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 process, 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.

286310 Visual Arts, Drawing (III) (1 Credit)

Fee: \$20.00

This course, accomplished level, is the second of a sequential high school course 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 exploration and experimentation, students are enabled to communicate concepts and intentions by manipulating subject matter, organizational components, media and processes. They are able to explore issues in art criticism and aesthetics, as well as analyze their own works of art and the works of others. Students cultivate skills to be successful in art-related careers, college programs, and life-long artistic interest. 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.

286208 Visual Arts, Painting (II) (1 Credit)

Fee: \$20.00

This course, intermediate level, is the first of a sequential high school course 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 process, 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.

286308 Visual Arts, Painting (III) (1 Credit)

Fee: \$20.00

This course, accomplished level, is the second of a sequential high school course focusing on the mediums used for painting. Creating, presenting, responding and connective drive critical thinking, meaning, reflection, production and assessment of understand 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 process, 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.

286207 Visual Arts, Ceramics (II) (1 Credit)

Fee: \$20.00

This course, intermediate level, is the first of a sequential high school course 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 express ideas using a variety of traditional and contemporary ceramic process, 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.

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286307 Visual Arts, Ceramics (III) (1 Credit)

Fee: \$20.00

This accomplished ceramics course directs students towards skills proficiency and dynamics in individual expression, artistic presentation, and ceramic portfolio development. Students become aware of cohesive bodies of work and the process of exploring a concept or technique for extended periods of time over a number of works. They are able to explore issues in art criticism, and aesthetics as well as analyze their own works for art and the work of others. This course cultivates ceramic skills to be successful in art-related careers, college programs, and life-long artistic interests. 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

280024 AP Music Theory 11th & 12th Grade (1 Credit)

Fee: AP Exam

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.

283009 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.

283102 Introduction to Marching Band I (1 Credit)

Fee: \$20.00

This course, novice level, 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.

283202 Introduction to Marching Band II (1 Credit)

Fee: \$20.00

This course, novice level, 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.

283302 Introduction to Marching Band III (1 Credit)

Fee: \$20.00

This course, novice level, 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.

283402 Introduction to Marching Band IV (1 Credit)

Fee: \$20.00

This course, novice level, 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.

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283112 Percussion (1 Credit)

Fee: \$20.00

This is a one credit course, novice level, 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.

283212 Percussion II (1 Credit)

Fee: \$20.00

This is a one credit course, novice level, 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.

283312 Percussion III (1 Credit)

Fee: \$20.00

This is a one credit course, novice level, 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.

283412 Percussion IV (1 Credit)

Fee: \$20.00

This is a one credit course, novice level, 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.

283600 Introduction to Mixed Chorus I (1 Credit)

Fee: \$20 and \$15 Tshirt

This course, novice level, 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 issue, and self-reflection.

283700 Mixed Chorus II(1 Credit)

Fee: \$20.00 and \$15 Tshirt

This course, novice level, 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 issue, and self-reflection.

283800 Mixed Chorus III (1 Credit)

Fee: \$20.00 and \$15 Tshirt

This course, novice level, 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 issue, and self-reflection.

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283900 Mixed Chorus IV (1 Credit)

Fee: \$20.00 and \$15 Tshirt

This course, novice level, 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 issue, and self-reflection.

283601 Traditional and Emerging Ensembles: Introduction to Women's Chorus I (1 Credit)

Fee: \$20.00 and \$15 Tshirt

This course, novice level, 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 issue, and self-reflection.

283701 Women's Chorus II (1 Credit)

Fee: \$20.00 and \$15 Tshirt

This course, novice level, 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 issue, and self-reflection.

283801 Women's Chorus III (1 Credit)

Fee: \$20.00 and \$15 Tshirt

This course, novice level, 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 issue, and self-reflection.

283906 Women's Chorus IV (1 Credit)

Fee: \$20.00 and \$15 Tshirt

This course, novice level, 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 issue, and self-reflection.

283602 Traditional and Emerging Ensembles: Introduction to Men's Chorus I (1 Credit)

Fee: \$20.00 and \$15 Tshirt

This course, novice level, 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 issue, and self-reflection.

283604 Introduction to Chamber Chorus I (1 Credit)

Fee: \$20.00 and \$15 Tshirt

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

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283704 Chamber Chorus II (1 Credit)

Fee: \$20.00 and \$15 Tshirt

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

283804 Chamber Chorus III (1 Credit)

Fee: \$20.00 and \$15 Tshirt

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

283904 Chamber Chorus IV (1 Credit)

Fee: \$20.00 and \$15 Tshirt

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

283605 Traditional and Emerging Ensembles: Introduction to Show Choir I (1 Credit)

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

This course, novice level, 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 issue, and self-reflection.

283705 Show Choir II (1 Credit)

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

This course, novice level, 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 issue, and self-reflection.

283805 Show Choir III (1 Credit)

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

This course, novice level, 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 issue, and self-reflection.

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283905 Show Choir IV (1 Credit)

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

This course, novice level, 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 issue, and self-reflection.

284102 Introduction to Piano I (1 Credit)

Fee: \$10.00

This course, novice level is designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

284202 Piano II (1 Credit)

Fee: \$10.00

This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. 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 accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

284302 Piano III (1 Credit)

Fee: \$10.00

This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. 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 accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

284402 Piano IV (1 Credit)

Fee: \$10.00

This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. 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 accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

283009 Music, Elements of Arts Literacy (½ Credit)

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.

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Theatre

285009 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.

285100 Introduction to Theatre I (Acting) (1 Credit)

Fee: \$10.00

This course, proficient level, 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.

285101 Introduction to Musical Theatre (1 Credit)

Fee: \$10.00

This course, proficient level, 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.

285102 Introduction to Technical Theatre (Stagecraft) (1 Credit)

Fee: \$20

This course, proficient level, 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.

285200 Theatre II (1 Credit)

Fee: \$15.00

This course, proficient level, 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.

285203 Acting Technique II (1 Credit)

Fee: 15.00

This course, accomplished level, 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: Introduction to 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.**

270153 Spanish I (1 Credit Honors Weight)

Designed to give a speaking knowledge of the language, as well as an introduction to the Spanish culture. Emphasis is placed on listening and speaking. **Highly Recommended:** "C" average or higher in the last English course.

270154 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.

270155 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.

270156 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 II.

270157 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.

Foreign Languages offered through ACCESS Distance Learning are:

French I	German I
French II	German II
French III	German III
Latin I	Mandarin Chinese I
Latin II	Mandarin Chinese II
Latin III	

Health Education

250002 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 10th 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.

The State Department has adopted a new math pathway. The following classes apply to graduating classes 2021, 2022 and 2023.

210005 Algebra I (1 Credit)

This course builds on foundational mathematics content learned by students in Grades K-8 by expanding mathematics understanding to provide students with a strong mathematics education. Topics include, but are not limited to, operations and functions, and solutions of linear and special quadratic equations. Content is designed to engage students in a variety of mathematical experiences that include the use of reasoning and problem-solving skills.

210006 Honors Algebra I (1 Credit)

This course is an advanced study of algebraic concepts contained in the Algebra I course, and is designed to prepare students for more advanced math courses.

Prerequisite: "B" average or higher in 8th grade Advanced Math class and teacher recommendation.

210015 Algebraic Connections (1 Credit)

This course for 11th grade students provides them with a bridge to courses beyond the level of Algebra I and Geometry and to the mathematical empowerment needed to make responsible financial and economic decisions. It is designed for students who need additional mathematical experiences prior to enrollment in Algebra II, with or without Trigonometry, and for students for whom this will be a culminating high school mathematics course.

210016 Algebra II (1 Credit)

This course is designed to extend student knowledge and skills beyond Algebra I. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of mathematics. In order to provide students with an appreciation of the power of algebra, application involving real-life situations are incorporated throughout the course. The use of appropriate technology is also encouraged. Algebra II required to complete the graduation requirements for the Alabama High School Diploma. **Prerequisite:** "D" or higher in Geometry and Algebra I.

210017 Algebra II with Trigonometry (1 Credit)

This course is designed to extend students' knowledge of Algebra I with additional algebraic and trigonometric content. This course will provide sufficient background to prepare students to pursue higher-level mathematics courses such as Pre-Calculus, Analytical Mathematics, and Discrete Mathematics. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension. Algebra II with Trigonometry is required for all students seeking the *Alabama High School Diploma with Advanced Academic Endorsement*. **Prerequisite:** "C" or higher in Honors Geometry and Honors Algebra I.

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210018 Discrete Mathematics (1 Credit)

Discrete Mathematics is a course designed for students who have successfully completed Algebra II with Trigonometry course and who choose not to continue mathematics study in the Precalculus or Analytical mathematics courses. This course may be offered as an elective for students who have completed the four mathematics requirements for graduation. Discrete mathematics expands upon the topics of matrices, combinational reasoning, counting techniques, algorithms, sequences, series, and their applications. Students are expected to work in both individual and group settings to apply problem-solving strategies and to incorporate technological tools that extend beyond traditional instructional practices. **Note:** Fulfills one of the four mathematics credits required for graduation. **Prerequisite:** Algebra I, Geometry, and Algebra II with Trigonometry

210019 Mathematical Investigations (1 Credit)

Mathematical Investigations is a course designed for students who have successfully completed Algebra II or Algebra II with Trigonometry course and who choose not to continue mathematics study in the Precalculus or Analytical Mathematics courses. This course may be offered as an elective for students who have completed the four mathematics requirements for graduation. Mathematical Investigations is intended to extend students' knowledge of mathematical development. Beginning with ancient numeration systems, students explore the relationships between mathematics and nature, music, art, and architecture as well as the contributions of well-known mathematicians. It extends the scope of prerequisite courses, integrating topics with an emphasis on application-based problem solving. The wide range of topics and applied problems may lend itself to organizing the content into thematic units. **Note:** Fulfills one of the four mathematics credits required for graduation. **Prerequisite:** Algebra I, Geometry, and Algebra II with Trigonometry

210020 Pre-Calculus (1 Credit)

This course is designed primarily for those 11th and 12th grade students considering careers in mathematical or scientific fields of study. Following the successful completion of Algebra II with Trigonometry, students are prepared for this challenging curriculum that includes an expanded study of polynomial functions, conic sections, logarithmic and exponential equations, and the real-life applications of these topics. Students are challenged to defend and support their conclusions from problematic situations. Working in both individual and group settings, students apply a variety of problematic situations. **Prerequisite:** "C" or higher in Honors Algebra II with Trigonometry.

210023 Calculus (1 Credit)

This course is designed primarily for those 11th and 12th grade students considering careers in mathematical or scientific fields of study. Following the successful completion of Algebra II with Trigonometry, students are prepared for this challenging curriculum that includes an expanded study of polynomial functions, conic sections, logarithmic and exponential equations, and the real-life applications of these topics. Students are challenged to defend and support their conclusions from problematic situations. Working in both individual and group settings, students apply a variety of problematic situations.

210025 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.

210026 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

Dothan City Schools Course Description Guide

210027 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 Trigonometry.

210032 Mathematics Electives, Grades 9-12 (1 Credit)

This course may not be used for one of the four required mathematics credits for graduation.

210034 Analytical Math (1 Credit)

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. This course provides a structured introduction to important areas of emphasis in most postsecondary studies that pursue a concentration in mathematics. It is considered to be parallel in rigor to Pre-Calculus. Topics include linear algebra, logic, vectors, and matrices that are given a more in-depth coverage than in previous courses.

Prerequisite: Algebra II with Trigonometry.

210036 Algebra with Finance 10-12 Grade (1 Credit)

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Algebra with Finance is a college and career preparatory course that integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level.

210051 Geometry with Data Analysis (1 Credit)

2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. Geometry with Data Analysis 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.

210052 Honors Geometry with Data Analysis (1 Credit)

2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. Honors Geometry with Data Analysis 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 Algebra I with Probability.

210056 Algebra I with Probability(1 Credit)

2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. 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. 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 Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.

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210057 Honors Algebra I with Probability (1 Credit)

2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. 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 Geometry with Data Analysis in the 9th grade.

210066 Math Elective Lab Course (1 Credit)

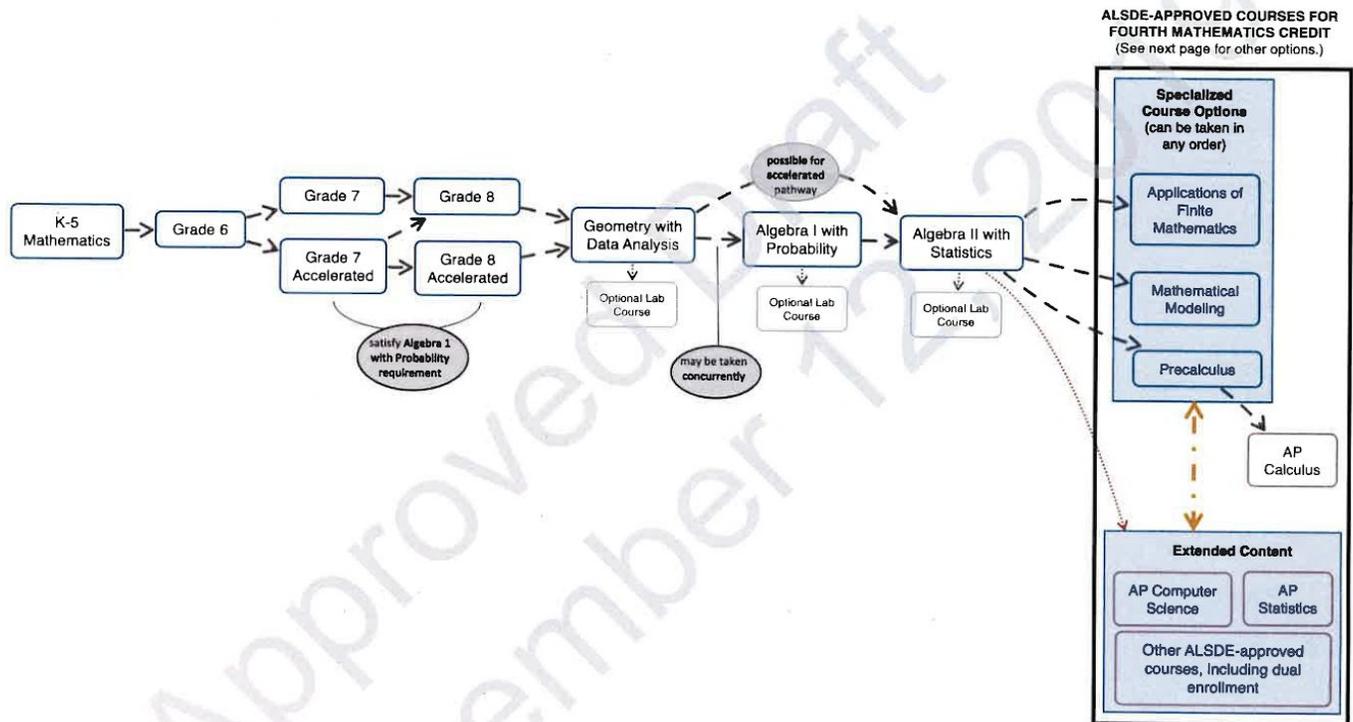
2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. School systems should provide instructional support (labs or intervention periods) for students in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics. Student assignment to this class period and the length 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.

Dothan City Schools Course Description Guide

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



Dothan City Schools Course Description Guide

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 Physical Education curriculum. Waivers are offered through one year of JROTC and 2 years of marching band, athletics or cheerleading. Students are granted credit when they pass the end of course test for the Physical Education course administered by a certified physical education teacher.

Students participating in athletics will be scheduled by their respective coach.

240011 Sports Officiating (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).

240014 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.

240016 Life Sports: Individual, Dual, and Team (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

240017 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 coaches approval.

240021 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 coaches approval.

240025 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 coaches approval.

Dothan City Schools Course Description Guide

240029 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 coaches approval.

240033 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 coaches approval.

240037 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 coaches approval.

240041 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 coaches approval.

240045 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 coaches approval.

240049 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 coaches approval.

240053 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 coaches approval.

240057 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 coaches approval.

240061 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 coaches approval.

Dothan City Schools Course Description Guide

240065 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 coaches approval.

240074 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 coaches approval.

240090 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 and coaches approval.

240091 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

230071 Psychology (1 Credit)

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.

230072 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.

Sociology

230081 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.

Dothan City Schools Course Description Guide

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.

Forensics (1 Credit)

Pending approval from the Alabama State Department of Education.

220051 Physical Science (1 Credit)

This course provides an overview of chemistry and physics with emphasis on topics that relate to everyday life. The course is intended for the student who does not intend to pursue advanced studies in science or a science-related career.

220011 Biology – 9th Grade (1 Credit)

This course is a study of the characteristics and relationships of living organisms. It provides an overview of the Six Kingdoms and ends with the invertebrates of the Animal Kingdom. The course is intended for the student who does not plan to take advanced science courses.

220012 Honors Biology – 9th Grade (1 Credit)

Lab Fee: \$20.00

This course provides an in-depth study of the structure and function of living things. It will include cellular structure and function, genetics, energy transformations and organisms and their environment. This course emphasizes mastery through lecture, laboratory and discussion. It is a prerequisite for Honors Anatomy, Physiology, and AP Biology.

220061 Chemistry (1 Credit)

Lab Fee: \$20.00

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 successful completion of this course. **Prerequisite:** Biology

220062 Honors Chemistry (1 Credit)

Lab Fee: \$20.00

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 students who are highly motivated and 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 II with Trigonometry or with Honors Geometry.

220027 Honors Anatomy and Physiology (1 Credit)

Lab Fee: \$20.00

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

This course provides a systematic approach to the study of the human body. The structure and function of each of the body’s systems is studied in detail, using lecture, discussion, and laboratory experiences. This is an excellent introductory course for those students planning a career in medicine or a health-related field.

Prerequisite: Honors Biology and taken in conjunction with Honors Geometry or teacher recommendation.

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220081 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 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.

220082 Honors 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 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.

220029 Environmental Science (1 Credit)

Environmental Science is a multidisciplinary field that draws from all the sciences, as well as other fields, to help us better understand the relationship between humans, and the world in which we live. It is an applied science that focuses on three main areas: 1) conservation and protection of natural resources 2) environmental education and communication 3) environmental research. This course is designed for eleventh and twelfth grade students in general studies. **Prerequisite:** General Chemistry

220057 AP Physics I 11th & 12th Grade (1 Credit)

Lab Fee: \$20.00 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 of 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 Trigonometry, Honors Biology ~~or~~ and Instructor Approval.

220064 AP Chemistry 11th & 12th Grade (1 Credit)

Lab Fee: \$20.00 and 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. This course covers atomic theory and structure; chemical bonding; nuclear chemistry; gases; liquids and solids; solutions; reaction types; stoichiometry; equilibrium; kinetics; thermodynamics. 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. **Prerequisite:** "C" average or above in Honors Chemistry and Algebra II with Trigonometry and Instructor Approval.

220014 AP Biology 11th & 12th Grade (1 Credit)

Lab Fee: \$20.00 and AP Exam

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.

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220032 AP Environmental Science 11th & 12th Grade (1 Credit)

Lab Fee: \$20.00 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. **AP Environmental Science can be taken in conjunction with Honors Chemistry or another AP Science Course.**

220043 Research and Design in Biology 9th Grade (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.

Speech, Communication, Academic Team

200035 Mass Media (1 Credit)

This is a production class for students in grades 9-12. This course emphasizes learning the fundamental skills of newspaper writing and production. Students will produce a newspaper for distribution to the student body. Students will also work with publicity of school events and will study writing as used in television, advertising, and communications. **Prerequisite:** Teacher approval/recommendation.

200042 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.

200051 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.

200052 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

200053 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.

200054 Journalism/Yearbook IV (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.

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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.

230013 World History: 1500 to Present (1 Credit)

This course directs students to think critically about the various forces that combined to shape the world today. Emphasis needs to be placed on geographic impact, development of civic knowledge/responsibilities, and emerging economic systems within a chronological context.

230014 Honors World History: 1500 to Present (1 Credit)

This course begins with the Renaissance and continues to the present day. Topics will be geographic impact, development of civic knowledge/responsibilities, and emerging economic systems within a chronological context. Emphasis is placed on reading, writing, vocabulary, sequence, logic and critical thinking skills.

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

230016 United States History to 1877 (1 Credit)

This course covers the historic development of American ideas and institutions from the Age of Exploration to the present. While focusing on political and economic history, the standards provide students with a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in the United States and Alabama History.

230017 Honors United States History to 1877 (1 Credit)

This course is a detailed chronological study of U.S. History with geography, economics and government. Through American Literature in each of the disciplines, relationships are shown; accurate, meaningful content is presented, and past and present events/conditions are interpreted.

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

230019 United States History from 1877 to the Present (1 Credit)

This course is a continuation of United States History from the tenth grade course. It focuses on twentieth century America and beyond. Knowledge and understanding gained during previous years of study provide the foundation for the critical analysis required in this course.

230020 Honors United States History from 1877 to the Present (1 Credit)

This course integrates U.S. History and Alabama History with the progressive movement, territorial expansion, and the impact on world conflict as well as foreign, domestic, and cultural policies within the period. Students will be asked to analyze events and effects and relate the significance to U.S. History.

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

230022 AP United States History 11 & 12 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.

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230027 AP World History 11 & 12 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.

230051 Economics (1/2 Credit)

This course provides knowledge of the structure and workings of government at all levels in the nation. The course introduces the study of representative democracy, federalism, the role of the citizen in American government, and international relations. The class also studies modern day economic systems and economic theory including the use and interpretation of charts, graphs, tables, and other expressions of statistical data.

230052 Honors 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. **Prerequisite:** "C" or higher in Honors U.S. History II.

230054 AP Macroeconomics (1/2 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 **Prerequisite:** "C" average or higher in Honors U.S. History II.

230041 Government (1/2 Credit)

This course provides a basic understanding of our system of government with emphasis on the individual's responsibility in government and introduces a practical approach to current living conditions and problems encountered while earning and spending money.

230042 Honors Government (1/2 Credit)

This course provides a basic understanding of our system of government with emphasis on the individual's responsibility in government and introduces a practical approach to current living conditions and problems encountered while earning and spending money. **Prerequisite:** "C" average or higher Honors U.S. History II.

230047 AP Government 11 & 12 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.

Prerequisite: "C" or higher Honors Government.

230029 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.

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

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230062 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. **Prerequisite:** "C" or higher Honors World History.

230201 Contemporary World Issues and 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

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 makes 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)

Dothan Technology Center is a Simulated Workplace environment. Simulated Workplace has not only enhanced instructional delivery of career education, but has created a more engaged 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 Technology Center

Dothan Technology Center is a simulated workplace environment. All students are required to complete an application for Dothan Technology Center 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, Drafting, Graphic Arts, TV Production, Cosmetology, Construction, Automotive CTSO Fee: \$15.00
- HOSA Future Health Professionals - Health Science/Biomedical Science, CTSO Fee: \$20.00
- FFA, Agricultural Education, CTSO Fee: \$15.00 plus t-shirt
- FBLA, Future Business Leaders of America - Business/Marketing, CTSO Fee: \$20.00
- FCCLA, Family, Career and Community Leaders of America, Culinary Arts, CTSO Fee: \$12.00
- JROTC, Junior Reserve Officer Training Corps, CTSO Fee: None
- TSA, Technology Student Association, Pre-engineering, Robotics, CTSO Fee: \$20.00

Dothan City Schools Course Description Guide

Career Tech Courses at Dothan Preparatory Academy – 9th Grade

410016 Multimedia Design (1 Credit)

Multimedia Design is a one-credit course designed to provide students with hands-on skills involving graphic design, digital photography, web publishing, and digital video production. Students use various hardware peripherals and software for completing documents.

410017 Multimedia Publications (1 Credit)

Multimedia Publications is a one-credit course designed to provide students with the ability to utilize digital equipment and multimedia digital imaging software, produce interactive media projects, and develop publication layouts. Students use various hardware peripherals as well as the internet for integrating skills to create a variety of publications.

480041 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 and land navigation, oral and written communication, rifle marksmanship and safety, personal hygiene, military history, and service orientations.

490024 Orientation to Health Science (1 Credit)

Orientation to Health Science is a one credit course to assist 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.

520046 PLTW Computer Science Essentials (1 Credit)

This course provides an excellent entry point for students to begin or continue the PLTW Computer Science K-12 experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

Prerequisite: Teacher Recommendation, previous 7th and/or 8th grade computer classes preferred

540031 Honors Introduction to Robotics (1 Credit)

Introduction to Robotics course is designed to provide students with the fundamental knowledge and skills of robotics. Emphasis is placed on fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of robotic systems. **Prerequisite:** High achievement in previous 7th and 8th grade courses recommended.

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: Greenhouse Production & Management
Year 3 (These classes must be approved by Instructor/Counselor/Admin)	
Option 1: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>	Option 2: Senior Agriscience Classes Semester 1: CTE Lab in Agriscience Semester 2: Senior Career Pathway Project

Course Descriptions

420101 Fundamentals of Agriscience (1 Credit)

Fee: \$20.00

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 for Fundamentals of Agriscience 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.

420102 Intermediate Agriscience (1 Credit)

Fee: \$20.00

This is a course that provides students with an intermediate understanding 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 for Intermediate Agriscience 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

420103 Advanced Agriscience (1 Credit)

Fee: \$20.00

This is a course that provides students with an intermediate understanding 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 for Intermediate Agriscience 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: Intermediate Agriscience

420054 Greenhouse Production and Management (1 Credit)

Fee: \$20.00

This course relates to the production of greenhouse crops. Topics include career opportunities, safety, plant propagation, growing media, plant identification, greenhouse production, pest control, business management, and equipment and facilities. The hands-on approach to learning is a key component in this course; therefore, making this a labor-intensive, participation based course that requires students to be in shop, greenhouse, and garden settings. Students also develop career readiness skills by conducting and operating a horticulture business. The skills developed in this course are designed to prepare students for careers and/or college. A Supervised Agricultural Experience, a project outside of the classroom will be required, which will account for a large portion of the student's grade. **Prerequisite:** Agriscience

420077 Senior Pathway Project-Agriculture, Food, & Natural Resources (1 Credit)

Fee: \$20.00

Prerequisite: Agriscience

420078 CTE Lab in Agriculture, Food and Natural Resources (1 Credit)

Fee: \$20.00

Prerequisite: Agriscience

Industry Credential Opportunity: NCCER Core

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Dothan City Schools Course Description Guide

ARMY JROTC PATHWAY

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

At DHS a student can take two courses in one school year with instructor approval. (Ex. LET 3 & LET 4)

Course Descriptions

480041 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 and land navigation, oral and written communication, rifle marksmanship and safety, personal hygiene, military history, and service orientations.

480042 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

480043 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

480044 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

480074 Army JROTC Leadership Education and Training (JROTC Leadership Class) (1 Credit)

This course is primarily for senior cadets in a leadership position. Their Roles and Responsibilities is an integral part of the planning and execution of classes and upcoming events. Assist instructor in teaching, managing of cadet drill, physical training, and inspections with a requirement to teach a minimum of one class for each subject taught for the LET level class assigned, with emphasis placed on proper teaching methods and preparation of lesson plans. The leadership position and the responsibilities of command functions (Command and Staff Personnel) will continue in practical work in drill, technology awareness, and physical training.

Prerequisite: JROTC III and Instructor Approval

480076 Army JROTC Senior Career Pathway Project (1 Credit) 12th Grade Only

Prerequisite: JROTC III and Instructor Approval

Industry Credential Opportunity: JROTC Certification of Completion - ARMY JROTC

Dothan City Schools Course Description Guide

Automotive Services Pathway (DUAL ENROLLMENT - WALLACE COMMUNITY COLLEGE)

Year 1	Year 2
Semester 1: ASE 101 Fundamental of Auto Tech. Semester 2: ASE 112 Electrical Fundamentals All Year: ASE 124 Automotive Engines	Semester 1: ASE 130 Drive Trains & Axles Semester 2: ASE 239 Engine Performance All Year: ASE 121 Braking Systems
Year 3	
Option 1: Go to Wallace Community College to continue in ASE program and take courses available	Option 2: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>

Summer (After Year 1) Location - WCC	Summer (After Year 2) Location - WCC
ASE 133 Motor Vehicle Air Conditioning ASE 122 Steering and Suspension	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. Student must meet all dual enrollment requirements set by Wallace Community College. The Year 1 and Year 2 courses are offered on the campus of Dothan Tech.

Course Descriptions

ASE 101: FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY (922201)

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

Prerequisite: Minimum 2.0 GPA; Preferred GPA is 2.5

Credits: 3 Lab Hours: 4 Lecture Hours: 1

ASE 112: ELECTRICAL FUNDAMENTALS (922202)

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 124: AUTOMOTIVE ENGINES

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 code 47.0604 and 15.0803.

Credits: 3 Lab Hours: 6 Lecture Hours: 1

ASE 130: DRIVE TRAIN AND AXLES

This course provides basic instruction in automotive drive trains and axles. Emphasis is placed on the understanding and application of basic internal and external operation relating to proper operation and driveability. 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

Dothan City Schools Course Description Guide

ASE 133: MOTOR VEHICLE AIR CONDITIONING (TAKEN DURING SUMMER TERM AT WCC)

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 121: BRAKING SYSTEMS

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

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 191: Co-op (Taken during 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

ASE 239: ENGINE PERFORMANCE

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

Credits: 3 Lab Hours: 4 Lecture Hours: 1

WKO 106: Workplace Skills

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

Industry Credential Opportunity: ASE (Automotive Service Excellence) Certifications

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 Semester 2: AMT 102	Semester 1: AMT 101 Semester 2: AMT 111
Year 3 (These classes must be approved by instructor/counselor/admin)	
Option 1: 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 along with 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 that complete these courses are eligible to receive 1 high school credit and 5 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 (921601)

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 principles of physics, 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 8 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 (921602)

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 be able to 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 8 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 (921603)

This course provides an opportunity for high school students to pursue and receive credit for college-level coursework at the same time high school graduation requirements are completed. 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 be able to 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 8 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 (921605)

This course introduces aircraft sheet metal repairs. Emphasis is placed on the use of proper procedures, tools, and materials to complete sheet metal repairs. Upon completion, students should be able to 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 8 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 Principles of Biomedical Science Semester 2: Honors Introduction to Biotech	Semester 1: Honors Body Systems Semester 2: Honors Human Body Structure/Function
Year 3	
Semester 1: Honors Medical Interventions Semester 2: Honors Biomedical Innovation	

Course Descriptions

490042 Honors Principles of Biomedical Science-PLTW (1 Credit)

Fee: \$25.00

Students explore concepts of biology and medicine to determine the factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Prerequisite: Highly recommended student be enrolled in honors science

490041 Honors Introduction to Biotechnology (1 Credit)

Fee: \$25.00

Students are introduced to the scientific concepts and laboratory research techniques currently used in the field of biotechnology. Students attain knowledge about the field of biotechnology and a deeper understanding of the biological concepts used. In addition, students develop the laboratory, critical thinking, and communication skills currently used in the biotechnology industry. **Prerequisite:** Principles of Biomedical Science

490043 Honors Human Body Systems-PLTW (1 Credit)

Fee: \$25.00

Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Exploring science in action, students design experiments, investigate the structures and functions of the human body, build organs and tissues on a skeletal manikin, and often take on the role of biomedical professionals to solve real-world medical cases. (Honors Human Body Systems can count as an Honors Anatomy Credit)

Prerequisite: Principles of Biomedical Science

490015 Human Body Structures & Functions (1 Credit)

Fee: \$25.00

A course designed to help students learn care content that emphasizes the structure and functions of cells, tissues, organs, organization of the human body systems, and medical terminology. Scientific processes, problem-based learning and critical thinking are integral parts of the course.

Prerequisite: Principles of Biomedical Science

490044 Honors Medical Interventions-PLTW (1 Credit)

Fee: \$25.00

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

Prerequisite: Principles of Biomedical Science

490001 Honors Biomedical Innovation-PLTW (1 Credit)

Fee: \$25.00

Students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to explore and evaluate career opportunities in the field of healthcare through lab experiences, class discussions, research projects, guest speakers, and workplace visits.

Prerequisite: Principles of Biomedical Sciences

Industry Credentials: Pharmacy Tech, others to be determined

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)	
Option 1: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>	Option 2: Senior Construction Classes Semester 1: CTE Lab in Architecture & Construction Semester 2: Senior Career Pathway Project

Course Descriptions

430004 Architecture, Construction and Manufacturing (1 Credit)

Fee: \$20.00

Architecture, Construction, and Manufacturing is the foundation course for the Architecture and Construction career cluster, which contains three pathways—Construction, Design and Preconstruction, and Maintenance and Operations. Students who choose to complete a pathway in the Architecture and Construction cluster are engaged in challenging curricula and develop technical skills in the areas of safety, related mathematics, usage of hand and power tools, blueprint reading, basic rigging, and basic employability skills.

412101 NCCER Building Construction 1 (1 Credit)

Fee: \$20.00

Construction Framing is a course designed to provide students with an understanding of the framing phase of a structure, including framing components. Topics include career opportunities, safety, lumber, material estimation, floor systems, wall framing, ceiling framing, stair construction, roof framing, and roof materials in various structures. **Prerequisite:** Architecture, Construction and Manufacturing

412102 NCCER Building Construction 2 (1 Credit)

Fee: \$20.00

Construction Site Preparation and Foundations is a course designed to facilitate student understanding of the first phases of construction, including types of structures and their uses. Topics include career opportunities, safety, planning, location, layout, concrete and masonry, and foundations of various structures. **Prerequisite:** NCCER Building Construction 1

412103 NCCER Building Construction 3 (1 Credit)

Fee: \$20.00

Construction Finishing and Interior Systems is a course designed to facilitate student understanding of the finishing phase of a structure. Students become familiar with the exterior and interior finishing of a structure. Topics include career opportunities, safety, windows, doors, plumbing, electrical wiring, insulation, wall coverings, storage, and finishes. **Prerequisite:** NCCER Building Construction 2

432910 CTE Lab in Building Construction (1 Credit)

Fee: \$20.00

Prerequisite: Instructor Approval

430129 Senior Career Pathway Project Building Construction (1 Credit)

Fee: \$20.00

Prerequisite: Instructor Approval

Industry Credential Opportunity: NCCER Core, NCCER Construction Technology

Dothan City Schools Course Description Guide

Business Pathway

Courses
Business Technology Applications Advanced Business Technology Applications Entrepreneurship Personal Finance

Course Descriptions

400017 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.

450006 Business Technology Applications (1 Credit)

This foundation course is designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.

450031 Advanced Business Technology Applications (1 Credit)

This course provides students with project-based applications of concepts learned in Business Technology Applications or Career Preparedness. Students will use various software applications to prepare documents for publication and generating information.

Prerequisite: Career Preparedness and/or Business Technology Applications

400021 Personal Finance (1 Credit)

This course is designed to introduce students to the management of personal and family resources to achieve personal goals and financial literacy. Content provides opportunities for students to explore consumer behavior, laws and legislation, consumer protection, consumer rights and responsibilities, consumer decision making, advertising and promotional techniques, individual and family money management, banking services, use of credit, income tax, technology, and careers in providing financial services to individuals and families.

Credentials: Microsoft Office Products

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

Dothan City Schools Course Description Guide

Computer Technician Short Certificate Wallace Community College Dual Enrollment

Year 1 Fall Semester	Year 1 Spring Semester
CIS 146 - Microcomputer Applications CIS 161- Introduction to Network Communication	CIS 268 - Software Support CIS 269 - Hardware Support
Year 2	
Option 1: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>	Option 2: Go to Wallace Community College to continue in CIS program and take courses available

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

Course Descriptions

CIS 146: Microcomputer Applications (925607)

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 certification.

Credits: 3 Lab Hours: 0 Lecture Hours: 3

CIS 161: Introduction to Networking Communications (925616)

This course is designed to introduce students to basic concepts of computer networks. Emphasis is placed on terminology and technology involved in implementing selected networked systems. The course covers various network models, topologies, communications protocols, transmission media, networking hardware and software, and network troubleshooting. Students gain hands-on experience in basic networking. This course further helps prepare students for certification. **Note:** This course is a suitable substitute for CIS 199. Additionally, CIS 170 may be used as a suitable substitute for this course. However, CIS 161 will not substitute for CIS 270.

Credits: 3 Lab Hours: 0 Lecture Hours: 3

CIS 268: Software Support (925664)

This course provides students with hands-on practical experience in installing computer software, operating systems, and troubleshooting. The class will help to prepare participants for the A+ Certification sponsored by CompTIA. This course is a suitable substitute for CIS 239, Networking Software. **Prerequisites:** CIS 146

Credits: 3 Lab Hours: 0 Lecture Hours: 3

CIS 269: Hardware Support (925665)

This course provides students with hands-on practical experience in installation and troubleshooting computer hardware. The class will help to prepare participants for the A+ Certification sponsored by CompTIA. This is a suitable substitute for CIS 240, Networking Hardware. **Prerequisites:** CIS 146

Credits: 3 Lab Hours: 0 Lecture Hours: 3

Industry Credential: To Be Determined

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	
Option 1: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>	Option 2: Senior Cosmetology Courses Semester 1: CTE Lab in Cosmetology Semester 2: Senior Career Pathway Project Or Semester 1: Natural Hairstyling Practicum Semester 2: Salon Practices and Management

Course Descriptions

510060 Introduction to Cosmetology (1 Credit)

Fee: \$20.00 plus \$65.00 Cosmetology Starter Kit

Introduction to Cosmetology is a course that provides students with a study of concepts related to the cosmetology profession. Specific topics include cosmetology history and opportunities, professional image, infection control, and basic fundamentals and principles of hair care and design. Students also gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling. Upon successful completion of this course, students are able to practice safety and sanitary precautions as they perform basic cosmetology procedures.

510075 Natural Hairstyling Theory (1 Credit)

Fee: \$20.00

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

510063 Introduction to Spa Techniques (1 Credit)

Fee: \$20.00

Introduction to Spa Techniques is a course that focuses on the structure and function of various systems of the body, massage techniques, skin care, and hair removal. Upon successful completion of this course, students are able to assemble sanitized materials, follow procedures for product application, recognize skin disorders, and demonstrate facial massage movements and hair removal. Safety and sanitary precautions are emphasized in the performance of these services. **Prerequisite:** Introduction to Cosmetology

510064 Advanced Spa Techniques (1 Credit)

Fee: \$20.00

Advanced Spa Techniques Application is a course that provides students with study and experience in advanced hair removal, cosmetic application, skin care, and massage techniques. Upon successful completion of this course, students are able to practice safety and sanitary precautions as they apply to the performance of advanced techniques and applications. **Prerequisite:** Introduction to Spa Techniques

510076 Natural Hairstyling Practicum (1 Credit)

Fee: \$20.00

Natural Hair Styling Practicum is a course 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 procedure. **Prerequisite:** Introduction to Cosmetology

Dothan City Schools Course Description Guide

510065 Salon Practices and Management (1 Credit)

Fee: \$20.00

Salon Practices and Management is a course that enables students to develop entry-level management skills for the cosmetology industry. Students practice all phases of cosmetology in a salon setting. Upon successful completion of this course, students are able to demonstrate professional work ethics and communication skills, job-seeking and management skills, and exhibit knowledge of the technology used in salons.

Prerequisite: Introduction to Cosmetology

510077 CTE Lab in Cosmetology (1 Credit)

Fee: \$20.00

Prerequisite: Introduction to Cosmetology

510070 Senior Career Pathway Project-Human Services-Cosmetology (1 Credit)

Fee: \$20.00

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)	
Option 1: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>	Option 2: Semester 1: CTE Lab in Culinary Arts Semester 2: Senior Career Pathway Culinary

Course Descriptions

500011 Hospitality and Tourism (1 Credit)

Fee: \$35.00

Major topics include introduction to hospitality and tourism, recreation, travel and tourism, lodging, restaurant and food and beverage services, safety and sanitation, customer relations, and quality services. The required school-based laboratory for the Hospitality and Tourism cluster is a commercial food service kitchen with a food-serving and dining area. School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry. 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.

500012 Culinary Arts I (1 Credit)

Fee: \$35.00

Culinary Arts I introduces students to basic food production, management, and service activities in both the back- and front-of-the-house. Emphasis is placed on sanitation, safety, and basic food preparation. Skills in mathematics, science, and communication are reinforced in this course. The required school based laboratory for the Hospitality and Tourism cluster is a commercial food service kitchen with a food serving and dining area. School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry. **Prerequisite:** Hospitality and Tourism

500013 Culinary Arts II (1 Credit)

Fee: \$35.00

Culinary Arts II provides advanced experiences in food production, management, and service. Topics include food service operations, advanced food production, and professionalism. Skills in mathematics, communication, creative thinking, and entrepreneurship are reinforced in this course. The required school-based laboratory for the Hospitality and Tourism cluster is a commercial food service kitchen with a food-serving and dining area. School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry. **Prerequisite:** Culinary I

500014 Baking and Pastry Arts (1 Credit)

Fee: \$35.00

Baking and Pastry Arts is a course taught in grades 10-12. This course is designed to provide students with the principles of baking and pastry techniques. The course includes baking technologies, equipment, preparation procedures, production methods, pastry methods, science of bread baking, confections and desserts, showpieces, cost control, food safety, and presentation techniques to create fundamental baking to the latest baking and pastry trends. If seeking articulated credit, the Hospitality and Tourism, Culinary Arts I, and Culinary Arts II courses are required prerequisites for this course. If Baking and Pastry Arts is not being used for articulated credit, Hospitality and Tourism and Culinary Arts I are required prerequisites to the course.

Prerequisite: Culinary II

500041 CTE Lab in Culinary Arts (1 Credit)

Fee: \$35.00

Prerequisite: Instructors Approval

500040 Senior Career Pathway Project - Culinary (1 Credit)

Fee: \$35.00

Prerequisite: Instructors approval

Industry Credential: ServSafe Manager

Dothan City Schools Course Description Guide

Education and Training Pathway

Year 1	Year 2
Semester 1: Education and Training Semester 2: Early Childhood Education I	Semester 1: Early Childhood Education II Semester 2: Education & Training Internship
Year 3 (Internship - These classes must be approved by instructor/counselor/admin)	
Semester 1: Senior Career Pathway Project: Education & Training Semester 2: CTE Lab in Education & Training	

Course Descriptions

460009 Education and Training (1 Credit)

Fee: \$15.00 plus t-shirt fee

Course content includes the organizational structure of education, careers, the role of the teacher, characteristics of effective teachers, communication skills, the teaching and learning processes, learning styles, research, characteristics of positive classroom environments, human growth and development, curriculum development, student characteristics, teaching techniques, learning activities, educational initiatives, technology, and careers. Observational experiences are a required component of this course.

460013 Early Childhood Education I (1 Credit)

Fee: \$15.00 plus t-shirt Fee

Course content is designed to help students learn ways to direct and operate an early childhood education program. Major topics are organizational structure; personnel policies, rules, and regulations; liability issues; principles of human growth and development; human development theories; observation techniques; interpersonal skills for promoting positive and productive relationships with children and their families; developmentally appropriate activities; individual and group activities; organization of teaching materials and supplies; learning activity centers; lesson plans; smooth transitions between routines and activities; teaching aides; operating equipment; play and recreational activities; dietary needs of children; preparation of snacks and meals; child health and safety; parental involvement; community resources; technology; and careers. An early childhood education facility with children is required and essential for students to develop skills in teaching children.

Prerequisite: Education and Training

460014 Early Childhood Education II (1 Credit)

Fee: \$15.00 plus t-shirt fee

The course provides students with advanced knowledge and skills used in the field of education. Major topics are the impact of caregivers on the development of children, personnel tasks and responsibilities, legal issues and liability, licensure standards, policies for providing early childhood education programs, physical facility layout, management systems, facility maintenance, scheduling, child growth and development theories, brain research, risk management, factors contributing to at-risk children, observation records, guidance techniques, curriculum development, age-appropriate learning activities, children with exceptionalities, motivational techniques, special events and field trips, recreational activities, dietary needs of children, food choices, professionalism, health screening and health assessment, emergency evacuation procedures, rules and regulations, technology, and careers. An early childhood education facility is required and essential for students to develop skills in teaching children. **Prerequisite:** Early Childhood Education I

460015 Education and Training Internship (1 Credit)

Fee: \$15.00 plus t-shirt fee

The internship course is for students who are interested in pursuing careers in the education field. The internship allows students to spend time in a classroom or school setting on a regular basis with a teacher within the school system who teaches the subject-matter area of interest to the student intern, a staff member in the appropriate professional support services area, or a principal or vice-principal. This course provides students with a context in which they can make a personal assessment of their commitment to pursue a teaching, professional support services, or educational leadership career. The school based laboratory for the internship is an actual classroom or school that provides instruction in the subject-matter area or career area related to the student's interest. **Prerequisite:** Early Childhood Education I and Early Childhood Education II

460032 Senior Career Pathway Project-Education & Training (1 Credit)

Fee: \$15.00 plus t-shirt fee

Prerequisite: Instructor Approval

460043 CTE Lab in Education & Training

Fee: \$15.00 plus t-shirt fee

Prerequisite: Instructor Approval

Industry Credential: To Be Determined

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 Advertising Design
Year 3	
Option 1: Semester 1: CTE Lab in Arts AV, TV, & Communication Semester 2: Senior Career Pathway Project - Arts, AV Tech & Communications	Option 2: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>

Course Descriptions

440011 Introduction to Graphic Arts (1 Credit)

Fee: \$25.00

This is a course that provides students with information regarding safety, image preparation, press operations, and finishing operations in a laboratory setting. Mathematics skills are evaluated and reinforced as needed. Upon successful completion of the course, students exhibit skills enabling them to enter specialized advanced graphic arts courses.

440012 Digital File Preparation (1 Credit)

Fee: \$25.00

This is a course providing practical application of skills in desktop publishing, page layout, and graphics. Upon completion of this course, students are able to prepare layouts for newsletters and other publications, solve related problems using appropriate mathematics skills, and demonstrate manipulation of text and graphics to meet the standards of the graphic arts industry. **Prerequisite:** Introduction to Graphic Arts

440013 Advanced Digital File Preparation and Output (1 Credit)

Fee: \$25.00

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

440031 Introduction to Advertising Design (1 Credit)

Fee: \$25.00

This is a course that provides students with orientation experiences and laboratory safety for working in an advertising design studio environment. Topics of study include art history, art production, art criticism, design elements and principles, and materials and media utilized in the field of visual communication. Particular emphasis is placed on related academic skills. Successful completion of this course prepares students for the next course in the Advertising Design program, Digital Design. This course or an equivalent visual arts credit is a prerequisite for other courses in the Advertising Design program.

Prerequisite: Advanced Digital File Preparation and Output

440055 CTE Lab in Arts AV, TV, & Communication (1 Credit)

Fee: \$25.00

Prerequisite: Graphic Arts Instructor approval

440054 Senior Career Pathway Project - Arts, AV Tech & Communications (1 Credit)

Fee: \$25.00

Prerequisite: Graphic Arts Instructor approval

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

Dothan City Schools Course Description Guide

Health Science Pathway

Year 1	Year 2 - Option 1 (Juniors/Seniors)
Semester 1: Honors Foundations of Health Science Semester 2: Honors Therapeutic Services	Semester 1: Honors Diagnostic Services Semester 2: Honors Sports Medicine Fundamentals
Year 2 - Option 2 and/or Year 3 (These classes must be approved by instructor/counselor/admin)	
Honors Health Science Internship (2 Credits) - This class is for seniors only.	

Course Descriptions

490007 Honors Foundations of Health Science (1 Credit)

Fee: \$15.00

This is a required course that integrates academics combined with health care knowledge and skills that provide the framework for a strong health care delivery system in the twenty-first century. It is recommended for students who want to prepare for further study in an array of health-related fields at the postsecondary level.

Prerequisite: Highly recommended student be enrolled in honors science

490023 Honors Therapeutic Services (1 Credit)

Fee: \$15.00

This is a course designed to inform students of the rapid changes in business and industry through a rigorous array of coursework and work-based experiences that prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide the local education agency flexibility to meet the health care demands in the community. Students are introduced to careers in therapeutic services including, but not limited to, nursing, medicine, physical therapist, surgical technologist, respiratory therapist, emergency medical technician, and others. **Prerequisite:** Honors Foundations of Health Science

490017 Honors Diagnostic Services (1 Credit)

Fee: \$15.00

This is a course designed to inform students of the rapid changes in business and industry by offering a rigorous array of course work and work-based experiences to help prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide the local education agency flexibility to meet healthcare demands in the community. Students are introduced to careers in diagnostic services including, but not limited to, electrocardiograph technician, medical laboratory technologist, radiography technician, pathologist, cardiovascular technician, and others. **Prerequisite:** Honors Therapeutic Services

490028 Honors Sports Medicine Fundamentals (1 Credit)

Fee: \$15.00

This is a rigorous course that will provide an overview of the field of Sports Medicine and expose students to fundamental skills of Athletic Training. The importance of Legal and Ethical concerns will be emphasized. Students will learn about career opportunities, medical terminology related to orthopedics, safety in the training room and various sports venues, assessment of sports injuries, and Emergency Preparedness in Sports Medicine. **Prerequisite:** Honors Therapeutic Services

490014 Honors Health Science Internship (2 Credits)

Fee: \$15.00 per class credit

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 for becoming a healthcare worker or for preparing students for postsecondary health care 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

Credentials: Patient Care Technician (Internship)

Stackable Credentials: American Heart Association HeartSaver CPR/First Aid - Therapeutic Services, American Heart Basic Life Support - Internship

Dothan City Schools Course Description Guide

Logistics

Year 1	Year 2
Business/Logistics Essentials	Business/Logistics Management Principles
Year 3	
Option 1: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>	Option 2: CTE Business Management Logistics Lab

Course Descriptions

450007 Business/Logistics Essentials (1 Credit)

A foundation course where students develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in commerce and information technology careers.

480011 Business/Logistics Management Principles (1 Credit)

A course designed to provide students with an understanding of the organizational functions of businesses, including quality concepts, project management, and problem solving. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.

Prerequisites: CTE Admin/Counselor approval

450033 CTE Lab in Business/Logistics (1 Credit)

This course is an extended laboratory experience to address the advancement and specialization of careers within Business Management & Administration 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. This is the workplace simulation lab component to the Workforce Essentials course.

Prerequisites: CTE Admin/Counselor approval

Credentials: Microsoft Office Products

Dothan City Schools Course Description Guide

Logistics 12th Grade Ready to Work

Semester 1	Semester 2
Workforce Essentials	Workforce Essentials Logistics Lab

Essential Program Information:

Prerequisite: 12th Grade student on track to graduate. CTE Admin/Counselor Approval. No Prior CTE classes required.

This is a great opportunity for a senior student who is:

- On track to graduate
- Looking to improve workforce readiness skills needed to obtain employment in most industries in Alabama
- Wanting to demonstrate a positive work ethic
- Interact with local industries in the Dothan area

Course Descriptions

400016 Workforce Essentials (1 Credit)

Workforce Essentials is a course that provides 12th grade students with higher-level academic and occupational skills that are transferable across jobs and occupational areas. Emphasis is placed on academic foundations for careers, applied technology, career development and employment, entrepreneurship and business economics, social and ethical responsibility, leadership, and teamwork, safety and health, and technical knowledge and skills. Students build on prior knowledge, strengths, interests, and needs that enhance preparation for future employment and continuing education and training. The curriculum used for this course will be the “Ready to Work” training modules. Each student has the opportunity to earn an Alabama Certified Worker Certificate and the National Career Readiness Certificate.

450032 Workforce Essentials Logistics Lab (1 Credit)

This course is an extended laboratory experience to address the advancement and specialization of careers within the Business/Marketing and Logistics 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. This is the workplace simulation lab component to the Workforce Essentials course.

Credentials: To Be Determined

Dothan City Schools Course Description Guide

Pre-Engineering (Project Lead The Way)

Year 1	Year 2
Semester 1: Honors Robotic Applications Semester 2: Honors Engineering Essentials	Semester 1: Honors Introduction to Engineering Design Semester 2: Honors Computer Integrated Manuf.
Year 3 (These classes must be approved by instructor/counselor/admin)	
Option 1: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>	Option 2: Senior Engineering Classes Semester 1: CTE Lab in Engineering Semester 2: Senior Career Pathway Project

Course Descriptions

540032 Honors Robotics Applications (1 Credit)

Fee: \$20.00

This course is designed to provide students with the fundamental knowledge and skills of robotics. Emphasis is placed on the applications of a variety of robotic systems. Upon successful completion of this course, students construct a robotic system with peripheral devices. **Prerequisite:** Highly recommend honors math course

Honors Engineering Essentials (1 Credit)

Fee: \$20.00

Engineering Essentials will offer a multidisciplinary approach to teaching and learning foundational concepts of engineering practice, providing students opportunities to explore the breadth of engineering career opportunities and experiences, and solve engaging and challenging real-world problems through engineering essentials. By inspiring and empowering students with an understanding of engineering and career opportunities, Engineering Essentials will broaden participation in engineering education and the engineering profession.

Prerequisite: Honors Robotics Applications or Honors Intro to Robotics

560015 Honors Introduction to Engineering Design -PLTW (1 Credit)

Fee: \$20.00

This is an introductory course for students. The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3-D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community. Students can earn a credential and become a certified Autodesk Inventor user by successfully passing the Autodesk Inventor Computer Aided Design Examination.

Prerequisite: Highly recommend honors math course

560021 Honors Computer Integrated Manufacturing-PLTW (1 Credit)

Fee: \$20.00

Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. **Prerequisite:** Introduction to Engineering Design

Industry Credential: Autodesk Inventor Certified User

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)	
Option 1: Work Based Learning (CO-OP) <i>See Work Based Learning Section</i>	Option 2: Semester 1: CTE Lab in Arts AV, TV, & Communication Semester 2: Senior Career Pathway Project - Arts, AV Tech & Communications

Course Descriptions

440017 Introduction to Television Production (1 Credit)

Fee: \$10.00 plus Production staff shirt fee

This is a course that provides students with a basic overview of television production skills and professions. Students participate in classroom and laboratory activities regarding all aspects of television performance, production, and operations. Upon successful completion of this course, students are prepared for a specialized high school course or for further study in television, film and communications at the college level.

440019 Television Production -Studio Operations (1 Credit)

Fee: \$10.00 plus Production staff shirt fee

This is a course that provides students with opportunities to participate in real-world laboratory experiences. They perform specialized roles in a regularly scheduled television program with students specializing in Television Production— Writing, Producing, and Performing and Television Production—Photography and Editing. Students who successfully complete this course are prepared for Advanced Television Production; further study in television, film, and communications industries at the college level; or for entry-level positions in television, film and communications industries. **Prerequisite:** Introduction to Television Production

440020 Television Production-Photography and Editing (1 Credit)

Fee: \$10.00 plus Production staff shirt fee

This is a course that provides students with a variety of real-world learning opportunities through laboratory experiences in photography and editing. Students perform specialized roles in a regularly scheduled television program together with students specializing in Television Production—Writing, Producing, and Performing, and Television Production—Studio Operations. Students who successfully complete this course are prepared for Advanced Television Production; further study at the college level; or for entry-level positions in television, film, and communications industries. **Prerequisite:** Television Production -Studio Operations

440021 Advanced Television Production (1 Credit)

Fee: \$10.00 plus Production staff shirt fee

This is 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

440055 CTE Lab in Arts AV, TV, & Communication (1 Credit)

Fee: \$25.00

Prerequisite: Graphic Arts Instructor approval

440054 Senior Career Pathway Project -Arts, AV Tech & Communications (1 Credit)

Fee: \$25.00

Prerequisite: Graphic Arts Instructor approval

Industry Credential Opportunity: Adobe Certification Premiere Pro - Certified Associate (Year 1)

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

Course Descriptions

430004 Architecture, Construction and Manufacturing (1 Credit)

Fee: \$20.00

This is the foundation course for the Architecture and Construction career cluster, which contains three pathways—Construction, Design and Preconstruction, and Maintenance and Operations. Students who choose to complete a pathway in the Architecture and Construction cluster are engaged in challenging curricula and develop technical skills in the areas of safety, related mathematics, usage of hand and power tools, blueprint reading, basic rigging, and basic employability skills.

432901 NCCER Welding 1 (1 Credit)

Fee: \$20.00

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 to provide students with fundamental knowledge and skills emphasizing 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

432902 NCCER Welding 2 (1 Credit)

Fee: \$20.00

This is the second of 4 required courses in the welding Technologies pathway. Topics include: basic shielded metal arc welding, blueprint reading, weld symbols and joint identification and print reading. Emphasis is placed on fundamental knowledge guided practice and NCCER Welding Level I requirements.

Prerequisite: NCCER Welding 1

432903 NCCER Welding 3 (1 Credit)

Fee: \$20.00

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 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

432910 CTE Lab in Architecture & Construction (1 Credit)

Prerequisite: Welding Instructor approval

430129 Senior Career Pathway Project-Architecture and Construction (1 Credit)

Prerequisite: Welding Instructor approval

Industry Credential Opportunity: NCCER Core, NCCER Welding

Dothan City Schools Course Description Guide

Work Based Learning (CO-OP) Grades 11-12

Course Descriptions

400122 Work Based Learning (CO-OP)

1 Credit - 1st Credit

400133 Work Based Learning (CO-OP)

1 Credit - 2nd Credit

400144 Work Based Learning (CO-OP)

1 Credit - 3rd Credit

400212 Work Based Learning (CO-OP)

1 Credit - 4th Credit

The course provides students with the opportunity 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 hours per week 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, he/she 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

Advanced Academic Endorsement Pathway Diploma Checklist (Applies to Graduating Classes 2021 and 2022 only)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	Honors English 9	
		Honors English 10	
		Honors/AP/DE English 11	
		Honors/AP/DE English 12 or any AP/DE	
Mathematics	4 Credits	Honors Algebra I	
		Honors Geometry	
		Honors Algebra II with Trigonometry	
		Honors/AP math elective. See Course Description Guide for a list of possible courses.	
Social Studies	4 Credits	Honors World History	
		Honors US History to 1877	
		Honors US History from 1877	
		½ credit Honors US Government ½ credit Honors/AP/DE Economics	
Science	4 Credits	Honors/AP Biology	
		An Honors Physical Science course to include Honors Chemistry and Honors Physics.	
		2 Honors/AP electives. See Science section/options from the Course Description Guide for a list of possible courses.	
Physical Education	1 Credit	LIFE (Personal Fitness)	
		One JROTC credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
Career Technical Education (CTE) and/or Foreign Language and/or Arts Education	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness Course	1 Credit		
Electives	2 ½ Credits		
Total	24 Credits		

Dothan City Schools Course Description Guide

Alternate Achievement Standards Endorsement Pathway Diploma Checklist (Applies to Graduating Classes 2021 and 2022 only)

Content Area	Number of Credits Required	Courses Offered	
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	LIFE PE	
		Health ½ Semester	
		Career Preparedness	
Vocational & Community-based	3 Credits	Vocational Beyond 12th Grade	
		Community Based Instruction 12th Grade	
		Life Skills 12th Grade	
Additional Electives	2.5 Credits		
Total	24 Credits		

Dothan City Schools Course Description Guide

Essentials Skills Endorsement Pathway Diploma Checklist (Applies to Graduating Classes 2021 and 2022 only)			
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 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	LIFE PE	
		Health Education	
		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		
Total	24 Credits		

Dothan City Schools Course Description Guide

General Education Endorsement Pathway Diploma Checklist (Applies to Graduating Classes 2021 and 2022 only)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	English 9	
		English 10	
		English 11	
		English 12 or any AP/post-secondary option of these or courses.	
Mathematics	4 Credits	Algebra I (could be taken in grade 8 for credit)	
		Geometry	
		Algebra II with Trigonometry or Algebra II, or their equivalent.	
		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	World History	
		US History to 1877	
		US History from 1877	
		½ credit US Government ½ credit Economics or AP/post-secondary equivalent courses	
Science	4 Credits	Biology	
		A Physical Science Course	
		Two additional Science credits. See Science section from the Course Description Guide for a list of possible courses.	
Physical Education	1 Credit	LIFE (Personal Fitness)	
		One JROTC credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
Career Technical Education (CTE) and/or Foreign Language and/or Arts Education	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness Course	1 Credit		
Electives	2.5 Credits		
Total	24 Credits		

Dothan City Schools Course Description Guide

Advanced Academic Endorsement Pathway Diploma Checklist (Applies to Graduating Classes after 2022)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	Honors English 9	
		Honors English 10	
		Honors/AP/DE English 11	
		Honors/AP/DE English 12 or any AP/DE	
Mathematics	4 Credits	Honors Algebra I	
		Honors Geometry	
		Honors Algebra II with Trigonometry	
		Honors/AP math elective (See Course Description Guide for a list of possible courses)	
Social Studies	4 Credits	Honors World History	
		Honors US History to 1877	
		Honors US History from 1877	
		½ credit Honors US Government ½ credit Honors/AP/DE Economics	
Science	4 Credits	Honors/AP Biology	
		Honors Earth and Space Science	
		An Honors Physical Science course to include Honors Chemistry and Honors Physics.	
		One additional Science credit. See Science section from the Course Description Guide for a list of possible courses.	
Physical Education	1 Credit	Beginning Kinesiology	
		One JROTC credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
Career Technical Education (CTE) and/or Foreign Language and/or Arts Education	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness Course	1 Credit		
Electives	4.5 Credits		
Total	26 Credits		

Dothan City Schools Course Description Guide

Alternate Achievement Standards Endorsement Pathway Diploma Checklist (Applies to Graduating Classes after 2022)			
Content Area	Number of Credits Required	Courses Offered	
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	
Total	26 Credits		

Dothan City Schools Course Description Guide

Essentials Skills Endorsement Pathway Diploma Checklist (Applies to Graduating Classes after 2022)			
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 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	
		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		
Total	26 Credits		

Dothan City Schools Course Description Guide

General Education Endorsement Pathway Diploma Checklist (Applies to Graduating Classes after 2022)			
Content Area	Number of Credits Required	Courses Offered	
English	4 Credits	English 9	
		English 10	
		English 11	
		English 12 or any AP/post-secondary option of these or courses.	
Mathematics	4 Credits	Algebra I (could be taken in grade 8 for credit)	
		Geometry	
		Algebra II with Trigonometry or Algebra II, or their equivalent.	
		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	World History	
		US History to 1877	
		US History from 1877	
		½ credit US Government ½ credit Economics or AP/post-secondary equivalent courses	
Science	4 Credits	Biology	
		Earth Space Science	
		A Physical Science Course to include Chemistry or Physics	
		One additional Science credit. See Science section from the Course Description Guide for a list of possible courses.	
Physical Education	1 Credit	Beginning Kinesiology	
		One JROTC credit may be used to meet this requirement. Two years of Marching Band will equate to one Physical Education credit.	
Health Education	½ Credit		
Career Technical Education (CTE) and/or Foreign Language and/or Arts Education	3 Credits	Students choosing CTE, arts education, and/or foreign language courses are encouraged to complete two courses in sequence.	
Career Preparedness Course	1 Credit		
Electives	4.5 Credits		
Total	26 Credits		

Dothan City Schools Course Description Guide
