
ESTD



1923

DESHLER

HIGH SCHOOL

Red Book

2026-2027

Table of Contents

[Course Selection Information](#)

[Diploma Pathway Options](#)

[Additional Graduation Requirements](#)

[Civics Exam](#)

[College & Career Readiness](#)

[Financial Literacy Course & Exam](#)

[Federal Application for Federal Student Aid \(FAFSA\)](#)

[Other Academic Information](#)

[Honors/Pre-AP & Advanced Placement Courses](#)

[Grade Scale](#)

[Grade Level Classification](#)

[DHS National Honor Society](#)

[Senior Honor Students](#)

[Valedictorian & Salutatorian](#)

[ACCESS Distance Learning](#)

[Dual Enrollment/Early College](#)

[Muscle Shoals Career Academy](#)

[NCAA Eligibility Requirements](#)

[Core Academic Courses](#)

[English](#)

[English Electives](#)

[Mathematics](#)

[Social Studies](#)

[Social Studies Electives](#)

[Science](#)

[Electives](#)

[World Languages](#)

[Fine Arts](#)

[Instrumental Music](#)

[Choral Music](#)

[Physical Education, Health, & Driver's Education](#)

[Essentials Pathway](#)

[Alternate Achievement Standards Pathway](#)

[Deshler Career Tech Center Curriculum](#)

Course Selection Information

The Alabama Course of Study (outlined by the Alabama State Board of Education) determines course content by which course offerings at Deshler are governed. While counselors and teachers are available to help with appropriate course choices, students and their parents/guardians have the responsibility to **select the diploma pathway and choose related courses to meet all graduation requirements**. Prerequisites must be considered and choices evaluated according to educational and career goals. Course selection is not a trial-and-error decision; students should treat registration as a most important decision-making time.

Course decisions for the following school year are made during registration in the spring, and faculty assignments are based on request numbers. Students must select a total of eight (8) credits plus two (2) alternate courses. It is imperative that students promptly return the completed form with course numbers to the guidance office. **A parent's/guardian's signature is required.** During the first three days of school, consideration will be given to requests for schedule changes. The process requires students completing a change-of-schedule request form. This request will then be reviewed by the counselors and administrators. Because the master schedule offers little flexibility, requests for change are discouraged. There will be no changes after the first three days with the exception and consideration of teacher recommendation. Because of the PowerSchool format, schedule changes will be extremely limited.

Diploma Pathway Options

Deshler High School will award the Alabama High School Diploma for the Advanced Academic Pathway, Standard Pathway, and the Workforce Pathway. Each pathway has different and specific requirements outlined below.

Students will be required to meet all graduation requirements as outlined by the Alabama Department of Education. Additional graduation requirements are listed in the next section.

Deshler High School Diploma Pathways Options

Advanced Pathway	Standard Pathway	Workforce Pathways
4 credits of English <ul style="list-style-type: none"> ● Honors English 9/Pre-AP Eng 1 ● Honors English 10/Pre-AP Eng 2 ● AP English Language 11*** ● AP English Literature 12*** 	4 credits of English <ul style="list-style-type: none"> ● English 9 ● English 10 ● English 11*** ● English 12*** 	4 credits of English <ul style="list-style-type: none"> ● English 9 ● English 10 ● English 11*** ● English 12***
4 credits of Math <ul style="list-style-type: none"> ● Honors/Pre-AP Geometry w/ Data Analysis ● Honors/Pre-AP Algebra I w/ Probability ● Honors/Pre-AP Algebra II w/ Statistics ● AP PreCalculus, AP Calculus AB, AP Computer Science, or AP Statistics *** 	4 credits of Math <ul style="list-style-type: none"> ● Geometry w/ Data Analysis ● Algebra I w/ Probability ● Algebra II w/ Statistics ● Math Specialized Course*** 	2 credits of Math <ul style="list-style-type: none"> ● Geometry w/ Data Analysis ● Algebra I w/ Probability
4 credits of Social Studies <ul style="list-style-type: none"> ● Honors World History ● Honors US History to 1877 ● AP US History*** ● Honors Gov't /Economics*** 	4 credits of Social Studies <ul style="list-style-type: none"> ● World History ● US History to 1877 ● US History 1877 to Present*** ● Government/Economic*** 	4 credits of Social Studies <ul style="list-style-type: none"> ● World History ● US History to 1877 ● US History 1877 to Present*** ● Government/Economic***
4 credits of Science <ul style="list-style-type: none"> ● Honors/Pre-AP Biology ● Honors/Pre-AP Chemistry I ● 2 Electives from AP Chemistry, AP Biology, Honors Human Anatomy & Physiology, Principles of Engineering, AP Computer Science or Human Bodies Structures*** 	4 credits of Science <ul style="list-style-type: none"> ● Biology I ● Physical Science ● 2 Science Electives*** 	2 credits of Science <ul style="list-style-type: none"> ● Biology I ● Physical Science
1 credit of Public Speaking		
1 credit of Career Preparedness	1 credit of Career Preparedness	1 credit of Career Preparedness
2 World Language credits***	World Language recommended**	World Language recommended**
3 credits in CTE/Arts Education, and/or World Language. Students are encouraged to complete two courses in sequence. ***	3 credits in CTE/Arts Education, and/or World Language. Students are encouraged to complete two courses in sequence.***	3 credits in CTE approved program, resulting in CTE Completer status.
1 credit of Kinesiology (PE)	1 credit of Kinesiology (PE)	1 credit of Kinesiology (PE)
0.5 credit in Health	0.5 credit in Health	0.5 credit in Health
3.5 Electives (Students have the option to take more Electives)***	2.5 Electives (Students have the option to take more Electives)***	6.5 Electives (Students have the option to take more Electives)***
Total of 28 credits	Total of 24 credits	Total of 24 credits

Students on the Advanced Diploma path must take a minimum of three advanced placement (AP) courses.

**A world language is recommended but not required for a standard or workforce pathways diploma. ALL athletes are encouraged to take a world language in order to meet NCAA eligibility requirements. Some colleges require a world language for admission.

***Dual Enrollment Options available (Most CTE Dual Enrollment courses are offered at no cost to the student)

Additional Graduation Requirements

In addition to the credits required for graduation, students are required to meet other graduation requirements as outlined by the Alabama State Department of Education. Please see the requirements below.

Civics Exam

In 2017, the Alabama Legislature passed, and Governor Kay Ivey signed Act #2017-173 mandating that Alabama students complete the Alabama Civics Exam. The Alabama Civics Exam questions represent the content of those questions utilized by officers of the United States Citizens and Immigration Service as part of the application process for citizenship. The Civics Exam is given in Government and Honors Government.

College & Career Readiness

Effective for students of the graduating Class of 2026 who entered Grade 9 for the first time during the 2022-2023 school year, the Alabama High School Diploma: General Education Pathway shall be issued to students who earn the required credits and earn one or more of the following college and career readiness indicators:

- Earning a benchmark score in any subject area on the ACT® college entrance exam.
- Earning a qualifying score of three or higher on an Advanced Placement® exam.
- Earning a qualifying score of four or higher on an International Baccalaureate® exam.
- Earning college credit while in high school.
- Earning a silver or gold level on the ACT® WorkKeys® Exam.
- Completing an in-school youth apprenticeship program.
- Earning a career technical industry credential listed on the compendium of valuable credentials of the Alabama Committee on Credentialing and Career Pathways.
- Being accepted into the military before graduation.
- Attaining Career and Technical Education (CTE) completer status.
- Any additional College and Career Readiness (CCR) indicator approved by the Alabama State Board of Education.

Except for students who are pursuing the Alabama High School Diploma: Essentials Pathway or the Alabama High School Diploma: Alternate Achievement Standards (AAS) Pathway, no student shall receive the Alabama High School Diploma: General Education Pathway without earning one or more of the college and career readiness indicators. Any student not receiving the Alabama High School Diploma: General Education Pathway, who later becomes in compliance, may only receive the Alabama High School Diploma: General Education Pathway if the remedy occurs within the two years of their initial failure to graduate.

Financial Literacy Course & Exam

In 2023, the Alabama Legislature passed, and Governor Kay Ivey signed, Act #2023-179 mandating that Alabama students entering Grade 9 in the 2024-2025 academic year complete a course in personal financial literacy along with an accompanying financial literacy examination.

The financial literacy course must include instruction in the following topics:

- Banking and Financial Institutions
- Managing Finances and Budgeting
- Money Management and Personal Tax Liabilities
- Saving and Investing
- Risk Management and Insurance
- Saving and Investing
- Credit and Debt Management
- Business and Legal Concepts

Content standards found in the following course(s) have been reviewed and approved to fulfill the instructional requirements specified in Act #2023-179:

- Career Preparedness (22153G1000)
- Career Preparedness B (22153G0522)

The Financial Literacy Examination, developed by the ALSDE, must be administered to all students at the completion of Career Preparedness. The Financial Literacy Examination consists of fifty (50) multiple-choice questions that assesses each of the required instructional topics. To earn a passing score on the Financial Literacy Examination, students must answer a minimum of thirty (30) items correctly; however, a passing score is NOT required for graduation. Documentation of students' performance must be recorded in the Test Results area within the PowerSchool Student Information System (SIS). Recording a student's score in PowerSchool should occur before awarding credit for the completed course.

The requirement to complete the Financial Literacy Examination can be waived by a school administrator for special education students not learning at a level appropriate for their grade level.

Federal Application for Federal Student Aid (FAFSA)

Effective with the graduating Class of 2022, the following requirements shall be fulfilled on behalf of the graduating senior as part of the graduating senior's transition into postsecondary education, training, or the workforce:

Submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA) or certify a non-participation waiver, in writing, to the superintendent of the local education agency if the graduating senior chooses not to complete and submit FAFSA.

Other Academic Information

Honors & Advanced Placement Courses

Deshler High School offers a variety of honors and Advanced Placement (AP) courses. AP courses are accelerated in rigor and pace. Taking AP classes and exams can help students get ahead in high school and college. Benefits of AP courses include:

- 85% of selective colleges and universities report that a student's AP experience favorably impacts admission decisions.

- Research shows that students who receive a score of 2 on their AP Exams are ready for college work.
- Research shows that students who take AP courses and exams are much more likely than their peers to complete a college degree on time, which means they avoid paying for additional years of tuition.
- Most colleges and universities nationwide offer college credit, advanced placement, or both for qualifying AP Exam scores.
- Even without a qualifying score, students find value in the rigor of the course and preparation for college classes.

As part of the AP course, students are expected to participate in the National AP Exam in May of each school year.

Pre-AP & Honors Courses			
Pre-AP English 1 (9)	Pre-AP Geometry w/Data Analysis (9)	Honors World History (9)	Pre-AP Biology (9)
Pre-AP English 2 (10)	Pre-AP Algebra I (10)	Honors US History I (10)	Pre-AP Chemistry (10)
	Pre-AP Algebra II (10 or 11)	Honors Gov't/Economics (12)	Honors Human Anatomy & Physiology (11 or 12)
			Honors Physics (11 or 12)

Advanced Placement (AP) Courses			
AP Language (11)	AP Pre-Calculus (11 or 12)	AP US History (11)	AP Biology (10-12)
AP Literature (12)	AP Calculus AB (12)		AP Chemistry (11 or 12)
			AP Computer Science Principles (11 or 12)

Grade Scale

Report cards are available to students every nine (9) weeks. Midterm progress reports are available every 4 ½ weeks. Parents may access a student's grades at any time during the grading period by logging into PowerSchool Parent Portal. The Parent Portal can be found on each school's website. Numerical grades are assigned to each subject.

The grading scale of Deshler High School follows:

A	90-100
B	89-80
C	79-70
D	69-60
F	59-0

Grade Level Classification

- To be classified as a **SOPHOMORE**, a student must have earned a minimum of **six (6) units of credit** prior to the beginning of the school year.
- To be classified as a **JUNIOR**, a student must have earned **thirteen (13) units of credit** prior to the beginning of the school year.
- To be classified as a **SENIOR**, a student must have earned **nineteen (19) units of credit** prior to the beginning of the school year and be eligible to graduate by the end of the school year.

DHS National Honor Society

Please note: Consideration for membership in the National Honor Society is dependent on a student's meeting the following requirements in the school and community:

- notable/community service
- responsible leadership
- exemplary character
- 90.0 cumulative grade average (This average begins in grade nine.)

Eligibility status is determined during a **student's eleventh grade year**. It is the responsibility of the student to plan his/her curriculum to meet these requirements. Preparing a comprehensive resume beginning in grade 9 and updating it each year will be beneficial when documentation of notable/community service, responsible leadership, and exemplary character is needed.

Senior Honor Students

To be designated as an honor student at graduation from Deshler High School, a student must:

1. earn an Advanced Diploma, and
2. on a scale of 0-100 points, have a cumulative grade average, which ranks the student as one of the top ten academic students in the senior class. These students will have the ten highest grade averages of those on the Advanced Diploma.
3. Beginning with the graduating class of 2023, students must take 3 Advanced Placement courses along with the exam for those courses.

Valedictorian & Salutatorian

The honor student with the highest grade average is the valedictorian. The honor student with the second highest grade average is the salutatorian. The valedictorian, salutatorian, and honor students will be determined after the third nine weeks grades in the second term of the senior year.

Residency requirement: To be eligible for valedictorian or salutatorian, a student must have been a student at Deshler High School for a total of at least two complete academic years.

ACCESS Distance Learning

ACCESS Distance Learning is an education initiative of the Alabama Department of Education. It provides opportunities for Alabama public high school students to engage in Advanced Placement (AP), elective, and other courses to which they may not otherwise have access. All courses are offered at school during the regular school day by Internet connection linking classrooms, educators and students statewide. Courses are taught by highly-qualified teachers from their home school and linked by the Internet to students across the state. Courses linked from other schools online will be monitored by a trained facilitator. An ACCESS Distance Learning class may receive one credit, and the grade is included in rank and grade point average. Plagiarism, a form of cheating, will result in ACCESS administrators dismissing the students from the class with a zero average.

Students interested in ACCESS must meet with the high school guidance counselor and complete the proper paperwork and submit a signed parent permission form prior to being allowed to enroll in ACCESS courses.

For a complete list of available courses, visit the ACCESS Distance Learning website at <http://accessdl.state.al.us>. There may be a lab fee assessed by the school depending upon which course is taken.

Additionally, it is recommended that students enrolled in AP classes take the Advanced Placement exam offered by the College Board in anticipation of receiving college credit for the class. The College Board charges a fee for each AP exam administered at Deshler in May through the College Board.

Dual Enrollment/Early College

Dual Enrollment options are available with local colleges to students 10th - 12th grade who have a “B” average or above. The student must have attained the prerequisites required to enter the Dual Enrollment or Early College program at their prospective college. Any transportation, tuition, fees, or cost for those classes will be the responsibility of the students and parents/guardians. Financial obligations will be handled between the student’s parent/guardian and the college of choice. The student must have permission from the parent/guardian, principal, and counselor and have completed the proper paperwork and online registrations in a timely manner in order to enroll in a Dual Enrollment or Early College course at a college. Any placement tests, ACT requirements, or other college enrollment requirements are the responsibility of the student and must be completed before registration. The student’s schedule at Deshler High School will have priority in determining the time and course selected at the college. Dual enrollment credit may be earned with any college that meets ALSDE requirements and has an established dual enrollment agreement with Tuscumbia City Schools. For a complete list of ALSDE courses that meet dual enrollment requirements, go to the [ALSDE Dual Enrollment Equivalency List](#).

Muscle Shoals Career Academy

A limited number of Deshler Juniors and Seniors may attend the Muscle Shoals Career Academy to enroll in courses offered for auto body, welding, carpentry, or cosmetology. Any transportation, supplies, and fees will be the responsibility of the students and parents/guardians.

In order to be selected to enroll in courses at MSCA, each student must complete an application. A limited number of students will be selected to attend. Each student must:

- Complete application to attend MSCA
- Approval required from the CTE Director

The selection committee will make the final decision of attendees.

NCAA Eligibility Requirements

This NCAA Clearinghouse checks academic eligibility, including ACT and/or SAT scores and transcripts, of prospective college-bound athletes for both Division I and Division II sports. Parents and students interested should visit the [NCAA Eligibility Center](#). Below is a timeline of when to complete different steps associated with NCAA Eligibility.

9th Grade:

- » Register for a free Profile Page account at [eligibilitycenter.org](#) for information on NCAA initial-eligibility requirements.
- » Use NCAA Research's interactive map to help locate NCAA schools you're interested in attending.
- » Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](#) to ensure you're taking the right courses, and earn the best grades possible!

10th Grade:

- » If you're being actively recruited by an NCAA Division I or II school, transition your Profile Page account to the right certification account.
- » Monitor the task list and sign up for text alerts in your Eligibility Center account for next steps.
- » Research the admission requirements for NCAA schools you're interested in attending.
- » At the end of the school year, ask your high school counselor from each school you attended to upload your official transcript via the High School Portal.
- » If you fall behind academically, ask your high school counselor for help finding approved courses you can take.

11th Grade:

- » Ensure your sports participation information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved core courses and graduate on time with your class.
- » Share your NCAA ID with NCAA schools recruiting you so each school can place you on its institutional request list.
- » Take unofficial and official visits to NCAA schools you're interested in attending and start applying early.
- » At the end of the school year, ask your high school counselor from each school you attended to upload your official transcript via the High School Portal.
- » The Clearinghouse requires that the student request ACT and/or SAT send copies of scores. The student must make that request as he/she registers to take either test by including the NCAA code of 9999 as one of the choices to receive the score

12th Grade:

- » Be accepted to the NCAA school you plan to attend.
- » Ensure your sports participation information is correct and request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account.
- » Complete your final NCAA-approved core courses as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your final official transcript with proof of graduation via the High School Portal.

Desbler High School complies with title VI which prohibits discrimination on the basis of race, color, or national origin in any program or activity receiving Federal financial assistance; Title IX which prohibits discrimination on the basis of sex in education programs or activities receiving Federal financial assistance; and Section 504 which prohibits discrimination on the basis of handicap in programs or activities receiving Federal financial assistance. Desbler High School complies with ESEA, as amended by NCLB, and 2002 Defense Reauthorization Act requiring public schools to provide students' names, addresses, and telephone listings to military recruiters, when requested, unless a parent has opted out of providing such information.

Core Academic Courses

The courses listed below are designed to assist students and parents in planning the student’s schedule for this school year. If questions concerning a course are still unanswered after reading the descriptions, contact a counselor at Deshler High School (256-389-2910) for further assistance.

Courses may be denoted with symbols as follows:



NCAA Approved Course

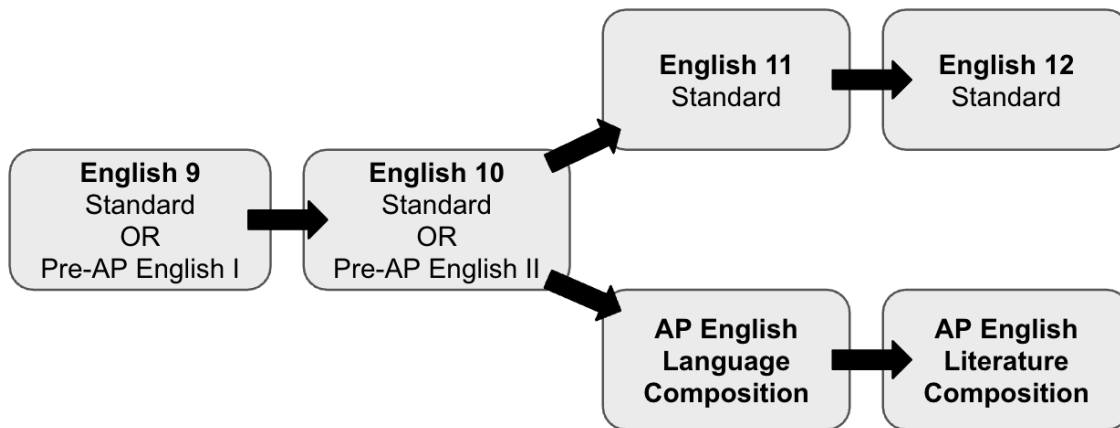


Advanced Diploma Approved Course

English

Course Progression

These course progressions are a guide to help you in planning your path towards the English graduation requirements. Multiple pathways exist. The current graduation requirement for **all pathways** is 4 credits of English.



NOTE: At each grade level, the English program includes standard and advanced courses to meet the needs of all students. It is assumed that students who begin the Pre-AP English program in the ninth grade will continue the course sequence, which culminates in Advanced Placement English; however, students may enter or exit the Pre-AP/AP courses at any grade level.

ENGLISH 9



01001G1000

Grade Level: 9

Credit: 1.0

Prerequisite: English 8

This course emphasizes world literature to give students a broad and deep foundation. Students learn and practice active listening, read a variety of workplace and literary texts, learn and practice essential digital skills, utilize a process to create and modify written work, implement conventions of language and usage, and utilize context to decipher word meanings all through reading, listening, writing, and speaking.

Pre-AP English I



01001E10PR

Grade Level: 9

Credit: 1.0

Prerequisite: English 8 and parental approval

This course focuses on the close reading, analytical writing, and language skills that have immediate relevance for students across their current courses and that are most essential for their future work in high school, college, and careers. Emphasis is on close reading of complex texts, with a stress on valuing evidence, and focus on attention to language. Students read closely and analyze a range of complex literary and informational texts; value textual evidence and incorporate it effectively in writing and speaking; and understand how writers and speakers use specific words and sentences to move the thoughts, emotions, and actions of readers and listeners.

ENGLISH 10



01002G1000

Grade Level: 10

Credit: 1.0

Prerequisite: English 9 or Honors English 9

This course emphasizes language skills, including punctuation, sentence structure, paragraph development, and standard usage. Short writing assignments are completed as well as developed essays in the narrative, persuasive, and expository modes. Texts written from various cultural perspectives, with an emphasis on works originating outside the US and British Isles from 1600 to present are examined. At least one novel is assigned each nine weeks.

Pre-AP English II



01005E10PR

Grade Level: 10

Credit: 1.0

Prerequisite: English 9, Honors English 9, and/or parental approval

This course builds on the foundations of Pre-AP English 1. While English 1 introduces the fundamentals of close observation, critical analysis, and the appreciation of author's craft, English 2 requires students to apply those practices to a new array of nonfiction and literary texts. As readers, students become aware of how poets, playwrights, novelists, and writers of nonfiction manipulate language to serve their purposes. As writers, students compose more nuanced analytical essays while never losing sight of craft and cohesion.

ENGLISH 11



01003G1000

Grade Level: 11

Credit: 1.0

Prerequisite: English 10 or Honors English 10

This course emphasizes a survey of major American literature from colonial times to the present. Students will analyze literature and recognize its position in historical context. Major emphasis is also given to the development of composition skills, including frequent writing assignments. A research paper is required.

ENGLISH 11, LANGUAGE AND COMPOSITION, AP



01005E1000

Grade Level: 11

Credit: 1.0

Prerequisite: Honors English 10 and/or parental approval

Dual Enrollment Option taken on DHS Campus:: NWSCC ENG 101

**Guardians are responsible for course tuition, fees, & textbooks costs.

College credit may also be obtained based on qualifying AP test score

This course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods all through reading, listening, writing, and speaking.

ENGLISH 12



01004G1000

Grade Level: 12

Credit: 1.0

Prerequisite: English 11

This course coordinates the study of British literature and composition. Students will refine composition techniques and the study of grammar will be coordinated with writing skills. A research paper and supplementary novels are required.

ENGLISH 12, LITERATURE AND COMPOSITION, AP



01006E1000

Grade Level: 12

Credit: 1.0

Prerequisite: English 11, Honors English 11, Dual Enrollment English, and/or parental approval


Dual Enrollment Option taken on DHS Campus:: NWSCC ENG 102


**Guardians are responsible for course tuition, fees, & textbooks costs.


College credit may also be obtained based on qualifying AP test score

This course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

English Electives

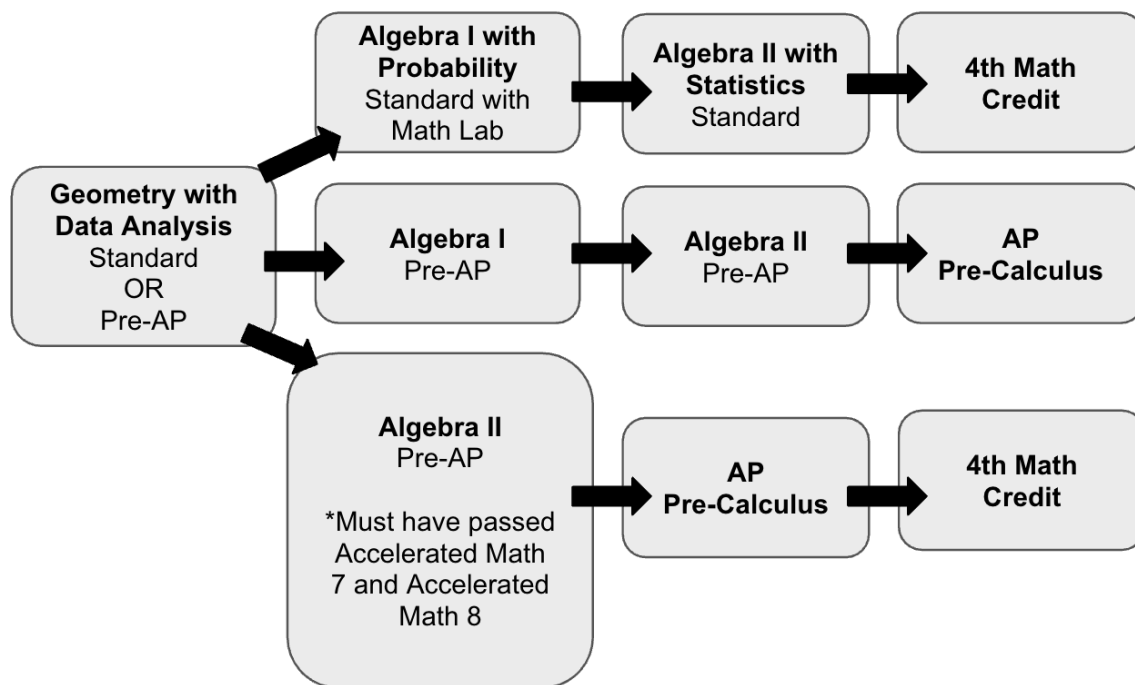
			
PUBLIC SPEAKING			
01151G1000	Grade Level: 11-12	Credit: 1.0	Prerequisite: Advanced Diploma track
NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION			
In this course, students explore extemporaneous, demonstrative, persuasive, and informative oral communication; It includes developing, writing, and speaking skills that are important for success in college.			

			
CREATIVE WRITING			
01104G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.			
Students compose poetry, short stories, and critical responses.			

			
LITERATURE, NOVELS			
01060G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.			
Readings, discussions, and writings on selected novelists such as Hawthorne, Twain, and Melville. Students read, discuss, and compose writing relating to both teacher-assigned and self-selected novels.			

Course Progression

These course progressions are a guide to help you in planning your path towards the mathematics graduation requirements. Multiple pathways exist. The **Advanced and Standard diploma pathways require 4 math credits**. The **Option B pathway requires 2 math credits (Geometry & Algebra I)**, but students are encouraged to take additional math courses as electives.



NOTE: At each grade level, the math program includes standard and Pre-AP/AP courses to meet the needs of all students. It is assumed that students who begin the Pre-AP math program in the ninth grade will continue the course sequence; however, students may enter or exit the Pre-AP/AP courses at any grade level.

GEOMETRY WITH DATA ANALYSIS			
02073G1000	Grade Level: 9	Credit: 1.0	Prerequisite: Grade 8 Math or Grade 8 Accelerated Math
<p>This course 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. 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.</p>			

Pre-AP GEOMETRY WITH STATISTICS



02073E10PR

Grade Level: 9

Credit: 1.0

Prerequisite: Grade 8 Math or Grade 8 Accelerated Math

Pre-AP Geometry with Statistics is designed to provide students with a meaningful conceptual bridge between algebra and geometry to deepen their understanding of mathematics. The areas of focus include connections among multiple representations where students represent mathematical concepts in a variety of forms and move fluently among the forms, greater authenticity of applications and modeling where students create and use mathematical models to understand and explain authentic scenarios and engagement in mathematical argumentation, where students use evidence to craft mathematical conjectures and prove or disprove them.

ALGEBRA I WITH PROBABILITY



02052G1000

Grade Level: 10

Credit: 1.0

Prerequisite: Geometry w/Data Analysis

This course builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. 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.

MATH LAB

02996G1000

Grade Level: 10

Credit: 1.0 (Elective Credit)

Prerequisite: None

This course will be paired with Algebra I with Probability. Math Lab provides instructional support (labs or intervention) for students. **Credit for this class will count as elective credit, not mathematics credit.**

Pre-AP ALGEBRA I



02052E10PR

Grade Level: 10

Credit: 1.0

Prerequisite: Geometry w/Data Analysis

Emphasis is on linear equations and linear functions with focus on authentic applications and concentration on creating mathematical arguments. Students develop deep and robust understanding of linear relationships in procedural, conceptual, and applied settings; employ mathematics to model and explain authentic scenarios; and use evidence to craft mathematical conjectures and prove or disprove them.

ALGEBRA II WITH STATISTICS



02056G1000	Grade Level: 10-11	Credit: 1.0	Prerequisite: Geometry w/Data Analysis and either a) Algebra I w/Probability or b) the combination of Grade 7 Accelerated Math and Grade 8 Accelerated Math
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This course builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics is the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.

Pre-AP ALGEBRA II



02056E10PR	Grade Level: 10-11	Credit: 1.0	Prerequisite: Honors Geometry w/Data Analysis and either a) Algebra I w/Probability or b) the combination of Grade 7 Accelerated Math and Grade 8 Accelerated Math
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Students solidify and extend the understanding of functions and data analysis developed in prior courses. Students build upon linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course.

CAREER MATH

02153G1001	Grade Level: 11-12	Credit: 1.0	Prerequisite: Algebra I, Geometry
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A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematical concepts in a career setting. Emphasis is placed on applied problems in the areas of measurement, entrepreneurial economics, and finances.

PRE-CALCULUS, AP



02110E1001

Grade Level: 11-12

Credit: 1.0

Prerequisite: Algebra I, Geometry, and Algebra II with Trigonometry, and/or parental approval

Dual Enrollment Option taken on DHS Campus: NWSCC MTH 115

**Guardians are responsible for course tuition, fees, & textbooks costs.

College credit may also be obtained based on qualifying AP test score

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

CALCULUS AB, AP



02124E1000

Grade Level: 12

Credit: 1.0

Prerequisite: AP Pre-Calculus

Dual Enrollment Option taken on DHS Campus: NWSCC MTH 125

**Guardians are responsible for course tuition, fees, & textbooks costs.

College credit may also be obtained based on qualifying AP test score

College-level advanced math course approved by the College Board Advanced Placement (AP) program for calculus; functions, graphs, and limits; derivatives; integrals; polynomial approximations and series.

COMPUTER SCIENCE ESSENTIALS - PLTW

10013G1000

Grade Level: 9-12

Credit: 1.0

Prerequisite: NONE

Fee: \$25.00

Credential: FAA Part 107

This course may be used to fulfill a student's fourth credit in mathematics OR a student's third and/or fourth science credit for a **standard pathway**. It can not be used for both math and science.

Computer Science Essentials is a one-credit course that introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming side-by-side. Finally,

students will learn the power of text-based programming as they are introduced to the Python® programming language.

COMPUTER SCIENCE PRINCIPLES, AP



10019E1000	Grade Level: 11-12	Credit: 1.0	Prerequisite: NONE
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Fee: \$25.00
 Credential: AP Computer Science Exam

This course may be used to fulfill a student's fourth credit in mathematics OR a student's third and/or fourth science credit for **any pathway** option. It can not be used for both math and science.
 College credit may also be obtained based on qualifying AP test score

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

EXPLORING COMPUTER SCIENCE

10012G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: NONE
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Lab Fee: \$25.00
 Credential: FAA Part 107

This course may be used to fulfill a student's fourth credit in mathematics OR a student's third and/or fourth science credit for **standard pathway**. It can not be used for both math and science.

Exploring Computer Science is an introductory high school computer science course focused on foundational computer science concepts and computational practices. Students will be introduced to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Exploring Computer Science is designed to be a college preparatory high school course and thus, should provide a rigorous, but accessible, introduction to computer science. No previous computer science experience is required.

INTRODUCTION TO ENGINEERING DESIGN-PLTW

21017G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: NONE
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Fee: \$25.00
 Credential: Autodesk Inventor Certified User

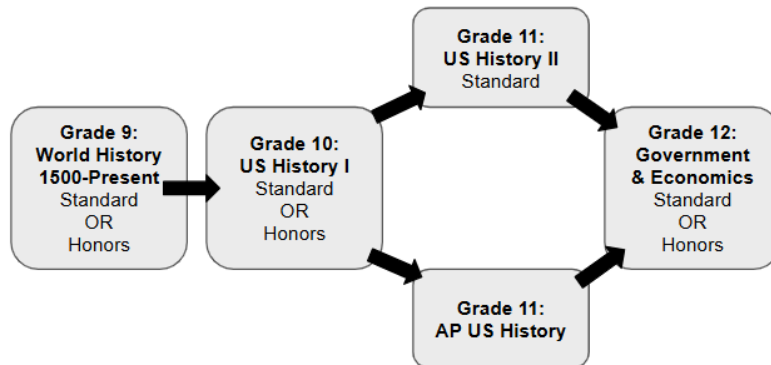
This course may be used to fulfill a student's fourth credit in mathematics

A one-credit course that uses a design development process while enriching problem-solving skills. Students create and analyze models using 3D modeling software.

Social Studies

Course Progression

These course progressions are a guide to help you in planning your path towards the social studies graduation requirements. Multiple pathways exist for social studies. The current graduation requirement for **all pathways** is 4 credits of Social Studies.



NOTE: At each grade level, the social studies program includes standard and advanced courses to meet the needs of all students. It is assumed that students who begin the honors-level social studies program in the ninth grade will continue the course sequence; however, students may enter or exit the AP/Honors courses at any grade level.

WORLD HISTORY: 1500-Present Gr 9



04053G1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
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Chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present

WORLD HISTORY: 1500-Present HON Gr9



04053H1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
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Advanced work in the chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present

UNITED STATES HISTORY I: Gr10



04102G1000	Grade Level: 10	Credit: 1.0	Prerequisite: World History: 1500-Present
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Chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events

UNITED STATES HISTORY I: Honors Gr10



04102H1000	Grade Level: 10	Credit: 1.0	Prerequisite: World History: 1500-Present or World History: 1500-Present, Honors, and/or parent approval
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Advanced work in the chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events

UNITED STATES HISTORY II: Gr11



04103G1000	Grade Level: 11	Credit: 1.0	Prerequisite: World History: 1500-Present & US History I
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Chronological survey of major events and issues: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States; Alabama's history and geographic changes that have influenced aspects of life during and after events

UNITED STATES HISTORY, AP



04104E1000

Grade Level: 11

Credit: 1.0

Prerequisites: World History: 1500-Present or World History: 1500-Present Honors & US History I or US History I, Honors, and/or parental approval

Dual Enrollment Option taken on DHS Campus: UNA HI 202

**Guardians are responsible for course tuition, fees, & textbooks costs.

College credit may also be obtained based on AP test score

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for United States history.

UNITED STATES GOVERNMENT



04151G0500

Grade Level: 12

Credit: 0.5

Prerequisite: N/A

The Civics Exam is given in this course. The Civics Exam is a graduation requirement for all students.

Students will study origins, functions, and branches of U. S. government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; foreign policy

This course is paired with Economics.

UNITED STATES GOVERNMENT, HONORS



04151H0500

Grade Level: 12

Credit: 0.5

Prerequisite: N/A

The Civics Exam is given in this course. The Civics Exam is a graduation requirement for all students.

This course involves advanced work in the government's origins, functions, and branches of U. S. government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; foreign policy

This course is paired with Economics, Honors.

ECONOMICS



04201G0500


Grade Level: 12

Credit: 0.5

Prerequisite: N/A


This course is a required course for all seniors. Emphasis is placed on the basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank

This course is paired with United States Government.

ECONOMICS, HONORS 			
04201H0500	Grade Level: 12	Credit: 0.5	Prerequisite: N/A
<p>This course discusses the basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank.</p> <p>This course is paired with United States Government, Honors.</p>			

Social Studies Electives

HISTORY THROUGH FILM			
04099G10HF	Grade Level: 10-12	Credit: 1.0	Prerequisite: N/A
<p>NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION.</p> <p>In History through film class students will watch different historical films from all different points of history. Students will watch the film, then take a test and have a class discussion on each film. Most of the films that are shown are based on true stories and from WWI, WWII, Civil War, Vietnam War, Revolutionary War, French and Indian War, War in Iraq, and other historical wars. Films based on events or people such as the Civil Rights Movement, Cold War, and other true events of American history may also be viewed.</p>			

PSYCHOLOGY 			
04254G1000	Grade Level: 10-12	Credit: 1.0	Prerequisite: N/A

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

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

ALABAMA STUDIES

04099G10AS

Grade Level: 10-12

Credit: 1.0

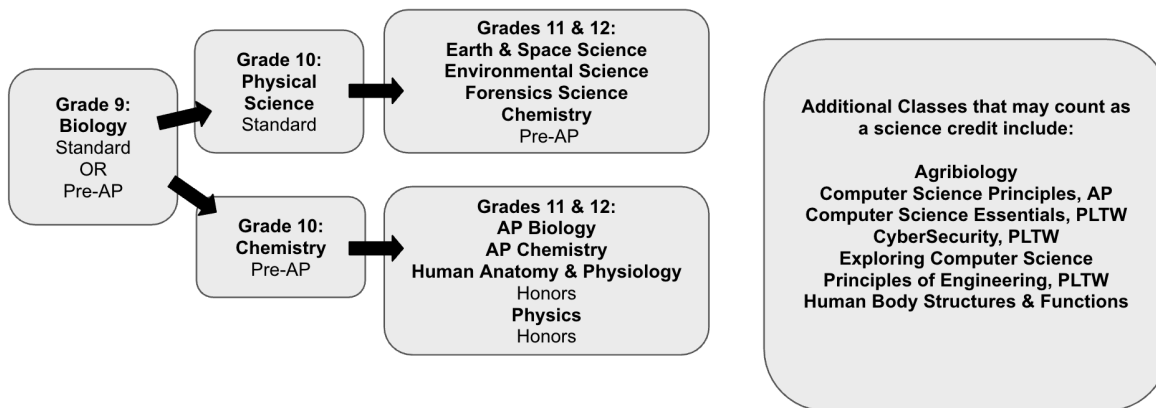
Prerequisite: N/A

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


Alabama Studies guides students through a survey of Alabama. The course structure stresses the four major disciplines of the 2024 Alabama Course of Study: Social Studies by organizing content into topics emphasizing economics, geography, civics, and themes in Alabama history. The history standards focus on the settlement and establishment of the state, the role of Alabama in conflicts across time, and Alabama's central role in the Civil Rights Movement. The wide scope of the content covered by the standards offers plentiful opportunities for place-based learning, thus allowing teachers and students to utilize locations in their community and across the state to create meaningful connections with the knowledge they are gaining.


Course Progression

These course progressions are a guide to help you in planning your path towards the science graduation requirements. Multiple pathways exist for science. The **Advanced and Standard diploma pathways require 4 science credits**. The **Option B pathway requires 2 science credits (Biology & Physical Science)**, but students are encouraged to take additional science courses as electives.



NOTE: At each grade level, the science program includes standard and advanced courses to meet the needs of all students. It is assumed that students who begin the honors-level science program in the ninth grade will continue the course sequence; however, students may enter or exit the AP/Honors courses at any grade level.

			
BIOLOGY			
03051G1000	Grade Level: 9	Credit: 1.0	Prerequisite: 8th Grade Science
THIS COURSE FULFILLS THE BIOLOGY GRADUATION REQUIREMENT			
This course discusses Increasing depth of understanding of life science standards from earlier grades to include the integration of engineering design, with a focus on crosscutting concepts, science and engineering practices; and patterns, processes, and interactions among living organisms including structures and processes, ecosystems, heredity, and unity and diversity.			

			
Pre-AP Biology			
03051E10PR	Grade Level: 9	Credit: 1.0	Prerequisite: 8th Grade Science and/or parental approval
Lab Fee: \$25.00			

THIS COURSE FULFILLS THE BIOLOGY GRADUATION REQUIREMENT

This course concentrates on the core areas of ecological systems, cellular systems, evolution, and genetics. Emphasis is on analytical reading and writing, with focus on applying mathematics, and attention to modeling. Students engage in analytical reading and writing to gain, retain, and apply scientific knowledge; use mathematics to understand and express the quantitative aspects of biology, to record and interpret experimental data, and to solve problems as they arise and go beyond just labeling diagrams to modeling biological processes to demonstrate and revise understanding of key patterns, interactions, and relationships.

PHYSICAL SCIENCE



03159G1000

Grade Level: 10-12

Credit: 1.0

Prerequisite: Biology

THIS COURSE FULFILLS THE PHYSICAL SCIENCE GRADUATION REQUIREMENT.

This course covers the conceptual progression of understanding and knowledge of physical science standards from earlier grades with engineering design integration and focus on crosscutting concepts, science and engineering practices; and the basic concepts of chemistry and physics including matter and its interactions, motion and stability, energy, and waves and information technologies.

Pre-AP Chemistry



03106E10PR

Grade Level: 10-12

Credit: 1.0

Prerequisite: Biology and Algebra I w/Probability

Lab Fee: \$25.00

THIS COURSE FULFILLS THE PHYSICAL SCIENCE GRADUATION REQUIREMENT.

Students develop a deep conceptual understanding of matter and energy at the molecular level as they learn to explain their macroscopic observations using particulate-level reasoning. As students engage in grade-level content, they utilize scientific reasoning skills needed to analyze the natural world—and to succeed in future science and social science courses in high school and college.

EARTH AND SPACE SCIENCE



03008G1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Physical Science

THIS COURSE DOES NOT FULFILL THE BIOLOGY OR PHYSICAL SCIENCE GRADUATION REQUIREMENT

This course is a comprehensive application of all science disciplines with a focus on concepts of the universe and its Stars, Earth and the solar system, history of planet Earth, Earth's materials and systems, plate tectonics, large-scale

system interactions, the roles of water in Earth's surface processes, weather and climate, and biogeology; includes integration of engineering, technology and application of science core ideas. This course does NOT meet the science requirement for Advanced Diploma.

ENVIRONMENTAL SCIENCE



03003G1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Biology

THIS COURSE DOES NOT FULFILL THE BIOLOGY OR PHYSICAL SCIENCE GRADUATION REQUIREMENT

This course teaches an advanced knowledge and understanding of natural resources, natural hazards, human impacts on Earth systems and global climate change; and engineering design solutions to solve various problems affecting Earth and its environment. Science and engineering practices and crosscutting concepts from the science framework are incorporated into coursework. This course does NOT meet the science requirement for Advanced Diploma.

AGRIBIOLOGY

18004G1001

Grade Level: 9-12

Credit: 1.0

Prerequisite: NONE

Course Fee: \$25.00

Credential: Integrated Pest Management

Agribiology uses agricultural contexts to present life science content. As students consider practical agricultural concepts, they apply scientific ways of thinking and working to real-life problems. Content may be enhanced by utilizing appropriate technology.

FORENSIC SCIENCE & CRIME SCENE INVESTIGATIONS



15055G1000

Grade Level: 10-12

Credit: 1.0

Prerequisite: Biology

Lab Fee: \$25.00

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



HUMAN ANATOMY AND PHYSIOLOGY, HONORS

03053H1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Biology

Lab Fee: \$25.00

NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR PHYSICAL SCIENCE REQUIRED FOR GRADUATION

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

HUMAN BODY STRUCTURES & FUNCTIONS

14299G1001

Grade Level: 9-12

Credit: 1.0

Prerequisite: Foundations of Health Science

Fee: \$25.00

Human Body Structures and Functions is designed to help students develop basic knowledge of the normal anatomy and physiology of the human body. The course builds upon and extends the knowledge and terminology presented in Foundations of Health Science by presenting content that emphasizes how the eleven body systems coordinate to maintain homeostasis and how pathophysiology within each system leads to disease. An understanding of the structures and functions of the body is essential as students move on to further study and their future healthcare careers. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals.

PHYSICS, HONORS



03151H1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Honors Biology & Chemistry

Lab Fee: \$25.00

NOTE: FULFILLS THE PHYSICAL SCIENCE GRADUATION REQUIREMENT.

Advanced level detailed exploration of properties of physical matter, physical quantities, motion and stability, energy, and waves and their applications for information transfer through authentic investigations and engineering design processes.



CHEMISTRY, AP

03106E1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Chemistry or Honors Chemistry and Algebra II

Lab Fee: \$25.00

Dual Enrollment Option taken on DHS Campus: NWSCC CHM 111

**Guardians are responsible for course tuition, fees, & textbooks costs.

College credit may also be obtained based on qualifying AP test score

College-level course following the curriculum established by the College Board Advanced Placement (AP) Program for chemistry including foundational chemistry topics: Atomic Structure and Properties, Compound Structure and Properties, Properties of Substances and Mixtures, Chemical Reactions, Kinetics, Thermochemistry, Equilibrium, Acids and Bases, Thermodynamics and Electrochemistry.

BIOLOGY, AP



03056E1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Honors Biology & Chemistry

Lab Fee: \$25.00

Dual Enrollment Option taken on DHS Campus: NWSCC BIO 103

**Guardians are responsible for course tuition, fees, & textbooks costs.

College credit may also be obtained based on qualifying AP test score

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for biology; scientific process and application skills; molecules; cells; heredity; evolution; organisms; populations.

COMPUTER SCIENCE ESSENTIALS PLTW

10013G1000

Grade Level: 9-12

Credit: 1.0

Prerequisite: None

Lab Fee: \$25.00

Credential: FAA Part 107

This course may be used to fulfill a student's third and/or fourth credit in science OR a student's fourth math credit for **standard diploma. It can not be used for both math and science.

Computer Science Essentials is a one-credit course that introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language.



COMPUTER SCIENCE PRINCIPLES, AP

10019E1000	Grade Level: 11-12	Credit: 1.0	Prerequisite: None
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Fee: \$25.00
 Credential: AP Computer Science Exam

This course may be used to fulfill a student's fourth credit in mathematics OR a student's third and/or fourth science credit for **any pathway** option. It can not be used for both math and science.
 College credit may also be obtained based on qualifying AP test score

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

EXPLORING COMPUTER SCIENCE

10012G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: NONE
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Lab Fee: \$25.00
 Credential: FAA Part 107

This course may be used to fulfill a student's fourth credit in mathematics OR a student's third and/or fourth science credit for **standard pathway**. It can not be used for both math and science.

Exploring Computer Science is an introductory high school computer science course focused on foundational computer science concepts and computational practices. Students will be introduced to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Exploring Computer Science is designed to be a college preparatory high school course and thus, should provide a rigorous, but accessible, introduction to computer science. No previous computer science experience is required.

PRINCIPLES OF ENGINEERING PLTW

21018G1000	Grade Level: 10-12	Credit: 1.0	Prerequisite: Introduction to Engineering (Grade of C or better)
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Fee: \$25.00

This course may be used to fulfill a student's third and/or fourth science credit for **standard pathway**.

A one-credit course that allows students to explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation through problems that engage and challenge. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

*Can count as a science elective

Electives

Additional electives are offered through the Career and Technical Education Department.

World Languages

The World Language Department recommends that the first and second courses of world language be taken consecutively.

SPANISH 1



24052G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: Grade level English and parental approval. An average of a C or above in English recommended.
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Course Fee: \$15.00

This course introduces the student to the language and culture of Spanish-speaking countries. Basic skills in listening, speaking, reading and writing are stressed through a gradual immersion of students in simple vocabulary and grammar used in daily conversations. A textbook, workbook, audio clips, video clips, magazines, websites, and films are used to support basic language acquisition and foster cultural understanding. This course may be taught through ACCESS Distance Learning.


SPANISH 2



24053G1000	Grade Level: 10-12	Credit: 1.0	Prerequisite: Spanish I and teacher approval
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Course Fee: \$15.00

Spanish II is a continuation and reinforcement of Spanish vocabulary and grammar with a focus on the development of a novice mid-to-high level of proficiency in speaking, reading and writing. A textbook, workbook, audio clips, magazines, websites, video clips, and films are used to foster language proficiency, cross-curriculum connections and cross-cultural comparisons. This course may be taught through ACCESS Distance Learning.

			
SPANISH 3			
24054G1000	Grade Level: 11-12	Credit: 1.0	Prerequisite: Spanish II and teacher approval
Course Fee: \$15.00			
<p>Spanish III is an intensive study of Spanish grammar with an emphasis on writing and conversation skills in the classroom. Through the use of authentic texts and scholarly resources, students will expand their learning about the geography, history, and culture of Spain and Latin America. This course may be taught through ACCESS Distance Learning.</p>			

Fine Arts

VISUAL ARTS, VISUAL ARTS I			
05154G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
Course Fee: \$25.00			
<p>This one credit course, novice level, is the first of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allow for self-expression. Through exploration and experimentation, this course provides students with a general foundation in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively 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.</p>			

VISUAL ARTS, VISUAL ARTS II			
05154G1002	Grade Level: 10-12	Credit: 1.0	Prerequisite: Visual Arts I and teacher recommendation
Course Fee: \$35.00			

This one credit course, intermediate level, is the second of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how visual arts communicate ideas and allow for self-expression. Through exploration and experimentation, this course provides students with a more in depth study of foundations 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.

VISUAL ARTS, VISUAL ARTS III

05154G1003	Grade Level: 10-12	Credit: 1.0	Prerequisite: Visual Arts II and teacher recommendation
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Course Fee: \$35.00

This one credit course, accomplished level, is the third of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allow for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in studio processes, art criticism, aesthetics, and art history to provide a deeper understanding and appreciation of visual arts. 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.

VISUAL ARTS, VISUAL ARTS IV

05154G1004	Grade Level: 10-12	Credit: 1.0	Prerequisite: Visual Arts III and teacher recommendation
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Course Fee: \$35.00

This one credit course, advanced level, is the fourth of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allow for self-expression. Students will demonstrate concepts and skills through continued exploration and experimentation with an advanced study in studio processes, art criticism, aesthetics, and art history. Students will demonstrate critical problem solving techniques 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 equivalent to college-preparatory or honors to reinforce a continued enjoyment of visual arts. Safe practices and proper use of tools and materials are emphasized.

VISUAL ARTS, CERAMICS II

05159G1002	Grade Level: 10-12	Credit: 1.0	Prerequisite: Visual Arts I and teacher recommendation
<p>Course Fee: \$35.00</p> <p>This intermediate level course 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 communicate ideas and allow 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 processes, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.</p>			

VISUAL ARTS, DRAWING II			
05156G1002	Grade Level: 10-12	Credit: 1.0	Prerequisite: Visual Arts I and teacher recommendation
<p>Course Fee: \$35.00</p> <p>This intermediate level course 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 processes, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.</p>			

Instrumental Music

Marching Band Courses

All band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Students must be willing and able to perform strenuous physical activity. Attendance at all rehearsals and performances is required. This course requires some extended hour school days

These courses are designed for music 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.

TRADITIONAL & EMERGING ENSEMBLE, MARCHING BAND I

05103G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: Director Approval
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FIRST YEAR OF MARCHING BAND. This course is offered only in the FALL.

TRADITIONAL & EMERGING ENSEMBLE, MARCHING BAND II

05103G1002	Grade Level: 10-12	Credit: 1.0	Prerequisite: Director Approval
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SECOND YEAR OF MARCHING BAND. This course is offered only in the FALL.

TRADITIONAL & EMERGING ENSEMBLE, MARCHING BAND III

05103G1003	Grade Level: 11-12	Credit: 1.0	Prerequisite: Director Approval
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THIRD YEAR OF MARCHING BAND. This course is offered only in the FALL.

TRADITIONAL & EMERGING ENSEMBLE, MARCHING BAND IV

05103G1004	Grade Level: 12	Credit: 1.0	Prerequisite: Director Approval
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FOURTH YEAR OF MARCHING BAND. This course is offered only in the FALL.

Concert Band Courses

All concert band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Attendance at all rehearsals and performances is required. This course requires some extended hour school days.

These courses are designed for music students to experience instrumental music in a concert 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 study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

TRADITIONAL & EMERGING ENSEMBLE, CONCERT BAND I

05102G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: Director Approval
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Course Fee: \$30

FIRST YEAR OF CONCERT BAND. This course is offered only in the SPRING.

TRADITIONAL & EMERGING ENSEMBLE, CONCERT BAND II

05102G1002	Grade Level: 10-12	Credit: 1.0	Prerequisite: Director Approval
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Course Fee: \$30

SECOND YEAR OF CONCERT BAND. This course is offered only in the SPRING.

TRADITIONAL & EMERGING ENSEMBLE, CONCERT BAND III

05102G1003	Grade Level: 11-12	Credit: 1.0	Prerequisite: Director Approval
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Course Fee: \$30

THIRD YEAR OF CONCERT BAND. This course is offered only in the SPRING.

TRADITIONAL & EMERGING ENSEMBLE, CONCERT BAND IV

05102G1004	Grade Level: 12	Credit: 1.0	Prerequisite: Director Approval
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Course Fee: \$30

FOURTH YEAR OF CONCERT BAND. This course is offered only in the SPRING

Instrumental Courses

HARMONIZING INSTRUMENTS, GUITAR I

05108G10G1	Grade Level: 9-12	Credit: 1.0	Prerequisite: Director Approval
<p>Course Fee: \$30</p> <p>This is a one credit course, novice level designed for beginning music students to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.</p>			

TRADITIONAL & EMERGING ENSEMBLE, JAZZ ENSEMBLE I			
05105G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: Director Approval
<p>Course Fee: \$30</p> <p>FIRST YEAR OF JAZZ BAND. This course is offered only in the SPRING.</p> <p>All jazz band students must meet the approval of the band director before being admitted to this class. This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a jazz band or jazz ensemble setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. Students are strongly recommended to have had prior musical experience on their instruments. Attendance at all rehearsals and performances is required. This course requires some extended hour school days.</p>			

COMPOSITION & THEORY, MUSIC THEORY I			
05113G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: Traditional and Emerging Ensemble (instrumental or vocal) course
<p>This one credit, proficient level course explores music theory through academic and hands-on study, and production. The curriculum builds practical understanding of the musical elements including rhythm, melody, harmony, form, and expression through creating, performing, and responding. 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.</p>			

Choral Music

This course does include various performances throughout the semester during school and after school hours.. Attendance at all scheduled performances is required. This course requires some extended hour school days.

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

TRADITIONAL & EMERGING ENSEMBLE, MIXED CHORUS I			
05110G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: Director Approval
Course Fee: \$35.00 FIRST YEAR OF CHORUS			

TRADITIONAL & EMERGING ENSEMBLE, MIXED CHORUS II			
05110G1002	Grade Level: 9-12	Credit: 1.0	Prerequisite: Mixed Chorus I or Director Approval
Course Fee: \$35.00 SECOND YEAR OF CHORUS			

TRADITIONAL & EMERGING ENSEMBLE, MIXED CHORUS III			
05110G1003	Grade Level: 9-12	Credit: 1.0	Prerequisite: Mixed Chorus II or Director Approval
Course Fee: \$35.00 THIRD YEAR OF CHORUS			

TRADITIONAL & EMERGING ENSEMBLE, MIXED CHORUS IV			
05110G1004	Grade Level: 9-12	Credit: 1.0	Prerequisite: Mixed Chorus III or Director Approval
Course Fee: \$35.00 FOURTH YEAR OF CHORUS			

TRADITIONAL & EMERGING ENSEMBLE, SHOW CHOIR I			
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05121G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: Director Approval
Course Fee: \$35.00			

TRADITIONAL & EMERGING ENSEMBLE, CHAMBER CHORUS I			
05111G10C1	Grade Level: 9-12	Credit: 1.0	Prerequisite: Audition & Director Approval
Course Fee: \$35.00			
This is a performance based class of experienced students with a higher level than basics.			

Physical Education, Health, & Driver's Education

BEGINNING KINESIOLOGY			
08017G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
Beginning Kinesiology is the physical education course required for graduation.			
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. Highly recommended that students take Beginning Kinesiology in Grade 9. Prerequisite for all physical education elective courses.			

ADVANCED KINESIOLOGY			
08017G1001	Grade Level: 10-12	Credit: 1.0	Prerequisite: Beginning Kinesiology
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.			

STRENGTH & CONDITIONING			
08005G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: Beginning Kinesiology

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.

ATHLETIC PE COURSES

See below	Grade Level: 9-12	Credit: 1.0	Prerequisite: Beginning Kinesiology
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Students must have permission from the coach of the appropriate course to enroll.

08013G10BA Varsity Baseball	08013G10GO Varsity Golf
08013G10BK Varsity Basketball	08013G10SB Varsity Softball
08006G10CH Varsity Cheerleading	08011G10TN Varsity Tennis
08013G10FB Varsity Football	08013G10VB Varsity Volleyball

HEALTH

08051G0500	Grade Level: 10-12	Credit: 0.5	Prerequisite: None
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This course is taken the same semester as Driver's Education. These courses should be requested together.

This course is a state requirement for graduation from high school. It is composed of several health content areas. Students are exposed to general information concerning good health practices so that they may make educated lifestyle decisions. Content areas covered are mental health, substance abuse, first aid, personal health, family health, disease prevention and nutrition

DRIVER & TRAFFIC SAFETY EDUCATION

08152G1000	Grade Level: 10-12	Credit: 0.5	Prerequisite: None
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Course Fee: \$25.00

This course is taken the same semester as Health. These courses should be requested together.

This course consists of instruction covering the following topics: Safe driving theory; in class study; driving hazards; boating safety; behind the wheel experience; safety practices

Due to the nature of the Driver's Education course, it is best if the student is 15 or older at the beginning of the school year. In order to complete the driving requirement for the course, a student must have a driver's permit and at least a grade of "60" for the classroom instruction. (A student seeking a driver's permit must take a completed ALEA

School Enrollment Form, available in the school office, to the Alabama State Troopers office. In order to take the test with the Alabama State Troopers office, a student must present the enrollment form.) Beginning Fall, 2007, students that receive a passing grade for the classroom portion of the Driver Education class will have the option of taking the Alabama License Road Test under the supervision of the Driver Education Instructor instead of taking the test at the Department of Motor Vehicles.

Other Electives

SCHOOL PUBLICATIONS/YEARBOOK

111104X1000

Grade Level: 10-12

Credit: 1.0

Prerequisite: Teacher Approval

This course is project-based and focused on the creation and production of the school yearbook. Students will learn principles of journalism, photography, design, and visual storytelling while working collaboratively to plan, write, design, photograph, and publish the yearbook. Responsibilities include covering school events, conducting interviews, writing captions and copy, editing content, and meeting strict publication deadlines. Students will also develop skills in teamwork, time management, communication, and technology. Participation in after-school or evening events may be required to meet coverage needs.

Essentials Pathway

The Alabama High School Diploma: Essentials Pathway is limited to a student with an active IEP. This pathway is designed to allow students to participate in career preparation and competitive employment. The content of Essentials pathway courses is not fully aligned to the Alabama Courses of Study.

Students who earn credit in at least one (1) Essentials/Life Skills Core course must complete all requirements of the Essentials pathway, including the following:

- Career Preparedness (Career and Academic Planning, Computer Applications, and Financial Literacy)
- Community-Based Work Training
- Two (2) Career and Technical Education courses in a sequence
- Workforce Readiness or Transition Services
- Cooperative Education/School-Based Enterprises and/or Essentials Career Preparation Students must have a minimum of 140 hours of apprenticeship (paid) experience or 140 hours of internship (unpaid) experience.

The Alabama High School Diploma: Essentials Pathway may be accepted by most Alabama community colleges; however, the diploma pathway may not be accepted by most four-year institutions, may not be accepted by the National Collegiate Athletic Association (NCAA) for eligibility purposes, or may not be accepted by branches of the United States Military, either active duty or reserves.

Essentials English

ENGLISH ESSENTIALS 9

01001X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None
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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.

ENGLISH ESSENTIALS 10

01002X1002	Grade Level: 10	Credit: 1.0	Prerequisite: English Essentials 9
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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.

ENGLISH ESSENTIALS 11

01003X1003	Grade Level: 11	Credit: 1.0	Prerequisite: English Essentials 9 & 10
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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.

ENGLISH ESSENTIALS 12

01004X1004	Grade Level: 12	Credit: 1.0	Prerequisite: English Essentials 9, 10, & 11
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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.

Essentials Math

ESSENTIALS GEOMETRY WITH DATA ANALYSIS

02073X1000

Grade Level: 9

Credit: 1.0

Prerequisite: Grade 8 Math

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

ESSENTIALS ALGEBRA I w/PROBABILITY

02052X1000

Grade Level: 10

Credit: 1.0

Prerequisite: Essentials Geometry w/Data Analysis

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

ESSENTIALS ALGEBRA II w/STATISTICS

02056X1001

Grade Level: 11

Credit: 1.0

Prerequisite: Essentials Geometry w/Data Analysis & Essentials Algebra I w/Probability

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

ESSENTIALS ALGEBRA WITH FINANCE

02155X1000

Grade Level: 12

Credit: 1.0

Prerequisite: Essentials Geometry w/Data Analysis, Essentials Algebra I w/Probability, & Essentials Algebra II w/Statistics

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.

Essentials Science

ESSENTIALS BIOLOGY

03051X1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
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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.

ESSENTIALS PHYSICAL SCIENCE

03159X1000	Grade Level: 10	Credit: 1.0	Prerequisite: None
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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.

ESSENTIALS EARTH AND SPACE SCIENCE

03008X1000	Grade Level: 11	Credit: 1.0	Prerequisite: None
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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 origin and age of the universe; stars, pulsars, quasars, black holes, and galaxies; Earth and space scientists; space exploration.

ESSENTIALS ENVIRONMENTAL SCIENCE

03003X1000	Grade Level: 12	Credit: 1.0	Prerequisite: None
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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.

ESSENTIALS HUMAN ANATOMY AND PHYSIOLOGY

03053X1000	Grade Level: 12	Credit: 1.0	Prerequisite: None
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This course is designed to provide students with a practical knowledge of Human Anatomy and Physiology including scientific process and application skills; anatomical terminology; structure and function of cells, tissues, and body systems; biochemistry; system regulation and integration.

Essentials History

ESSENTIALS I: WORLD HISTORY

04051X1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
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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.

ESSENTIALS II: U.S. HISTORY TO 1877

04102X1011	Grade Level: 10	Credit: 1.0	Prerequisite: Essentials I: World History
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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.

ESSENTIALS III: U.S. HISTORY FROM 1877

04103X1011	Grade Level: 11	Credit: 1.0	Prerequisite: None
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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.

ESSENTIALS IV: ECONOMICS

04201X0511	Grade Level: 12	Credit: 0.5	Prerequisite: None
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This course is a nine-week 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.

ESSENTIALS IV: GOVERNMENT

04151X0511	Grade Level: 12	Credit: 0.5	Prerequisite: None
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This course is a nine-week 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.

Essentials Electives

TRANSITION SERVICES

22151X1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
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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.

COOPERATIVE ED/WBL

22998G1014	Grade Level: 11-12	Credit: 1.0	Prerequisite: None
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A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.

Note: The teacher of this course must have earned credit in "Functions of the Coordinator" or "Principles of Coordination."

ESSENTIALS CAREER PREPAREDNESS

19258X1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
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This course is designed to prepare high school students for work-based experiences. 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 Pathway.

Alternate Achievement Standards Pathway

The Alabama High School Diploma: Alternate Achievement Standards (AAS) Pathway is limited to students with a significant cognitive disability. Since the content of Alabama High School Diploma: Alternate Achievement Standards (AAS) Pathway courses is not fully aligned to the Alabama Courses of Study, this diploma pathway will prepare a student for supported, competitive employment and supported, postsecondary education for a student with an intellectual disability.

Students pursuing the Alabama Alternate Achievement Standards Pathway must follow the Alabama Alternate Standards for their core content: English Language Arts, Mathematics, Science, and Social Studies. The courses for the AAS Life Skills, AAS Prevocational, AAS Vocational, AAS CommunityBased Instruction, and/or AAS Elective Course are locally developed.

* *For a student pursuing the Alabama High School Diploma: Alternate Achievement Standards (AAS) Pathway, the Individualized Education Program (IEP) Team must have completed the Alabama Comprehensive Assessment Program (ACAP) Alternate Participation Decision-Making Tool.

Alternate Achievement Standards English

AAS: ENGLISH LANGUAGE ARTS - 9

01037X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards).

AAS: ENGLISH LANGUAGE ARTS - 10

01037X1002	Grade Level: 10	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards).

AAS: ENGLISH LANGUAGE ARTS - 11

01037X1003	Grade Level: 11	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards).

AAS: ENGLISH LANGUAGE ARTS - 12

01037X1004	Grade Level: 12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards).

Alternate Achievement Standards Math

AAS: MATHEMATICS - 9

02039X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards).			

AAS: MATHEMATICS - 10			
02039X1002	Grade Level: 10	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards).			

AAS: MATHEMATICS - 11			
02039X1003	Grade Level: 11	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards).			

AAS: MATHEMATICS - 12			
02039X1004	Grade Level: 12	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards).			

Alternate Achievement Standards Science

AAS: SCIENCE - 9			
03239X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None

This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SCIENCE - 10

03239X1002	Grade Level: 10	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SCIENCE - 11

03239X1003	Grade Level: 11	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SCIENCE - 12

03239X1004	Grade Level: 12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

Alternate Achievement Standards Social Studies

AAS: SOCIAL STUDIES - 9

04439X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SOCIAL STUDIES - 10

04439X1002	Grade Level: 10	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SOCIAL STUDIES - 11

04439X1003	Grade Level: 11	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SOCIAL STUDIES - 12

04439X1004	Grade Level: 12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

Alternate Achievement Standards Electives

AAS: LIFE SKILLS - CAREER PREPAREDNESS

19258X1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities enrolled in a course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize increasing independence and self-determination skills.

AAS: LIFE SKILLS HEALTH

08051X1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities enrolled in a course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives are aligned with the content standards in the Alabama Course of Study: Health Education.

Alternate Achievement Standards Vocational & Community Based

AAS: PRE-VOCATIONAL

22152X1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
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This course is designed for students with significant cognitive disabilities who are enrolled in a pre-vocational course. Course objectives emphasize job exploration and pre-employment readiness instruction.

AAS: VOCATIONAL

22153X1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
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This course is designed for students with significant cognitive disabilities who are enrolled in a vocational course. Course objectives emphasize increasing job readiness and employability skills.

AAS: COMMUNITY BASED INSTRUCTION

22251X1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
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This course is designed for students with significant cognitive disabilities who are enrolled in community-based instruction. Course objectives emphasize learning beyond the classroom through community integration.

AAS: LIFE SKILLS

19257X1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
This course is designed for students with significant cognitive disabilities. Course objectives emphasize increasing independence and self-determination skills.			

DESHLER CAREER TECH CENTER

CURRICULUM

The goal of Deshler's Career and Technical Education curriculum is to provide students access to a flexible system of rigorous school and work-based learning planned collaboratively by students, parents, educators, and employers. Deshler's Career and Technical Education curriculum keeps pace with the rapid changes in business and industry by offering students high-caliber learning experiences that are in a continuous process of review and improvement. Deshler's Career and Technical Education curriculum continually re-addresses student learning by individualizing instruction with an emphasis on customized learning rather than generic "one-size-fits-all" instruction. Deshler's Career and Technical Education curriculum provides for the implementation of new measures and methods for assessing and certifying what students know and can do. This curriculum includes additional performance and outcome-based measurements that address the acquisition of individual knowledge and skills.

The Deshler Career Tech Center has implemented the Simulated Workplace model. Simulated Workplace is designed to prepare students for a lifetime of achievement in school and future careers. It accomplishes this by teaching students about modern workplace requirements and industry best practices. Students will be considered employees in the Career Pathway they select. Each pathway will implement requirements unique to the area.



DESHLER

CAREER TECH CENTER

Career and Technical Education Offerings for 2026-2027

* Can count as a 3rd or 4th science credit

**Can count as a 4th math or 3rd or 4th science credit

Program	Course Number	Course Name	Prerequisite
General Agriculture Program	18003G1001	Fundamentals of Agriscience (required foundation course)	None
	18003G1002	Intermediate Agriscience	Fundamentals of Agriscience preferred
	18003G1003	Advanced Agriscience	Intermediate Agriscience preferred
	18003G1004	Applied Agriscience	Fundamentals of Agriscience
	18004G1001	*AgriBiology	None
	18998G1000	Career Pathway Project in AFNR	Teacher Approval; Fundamentals of Agriscience, plus the successful (Grade of C or better) completion of one additional Agriscience course
	18997G1000	CTE Lab in AFNR	Teacher Approval; Fundamentals of Agriscience, plus the successful (Grade of C or better) completion of one additional Agriscience course. Only 12th Grade
Program	Course Number	Course Name	Prerequisite
Finance Cluster	22153G1000	Career Preparedness	None
	12007G1000	Business Finance (Tiger Branch)	Career Prep, Application, Teacher and Bank Approval
	12103G1006	Fundamentals of Financial Management. (Tiger Branch)	Career Prep, Application, Teacher and Bank Approval
	22998G1014	Cooperative Education Workforce Readiness (ACE)	Application, Teacher Approval, Junior or Senior
	12147G1003	Career Pathway Project in Finance	Teacher Approval and successful (grade of C or better) completion of two courses within the Finance pathway; 11th and 12th grade only
	12147G1002	CTE Lab in Finance	Teacher Approval and successful (grade of C or better) completion of two courses within the Finance pathway; 11th and 12th grade only

Marketing Cluster/ Marketing Program	12162G1001	Digital Marketing	None
	12163G1003	Sports and Entertainment Marketing	None
	12053G1000	Entrepreneurship	Teacher Approval, 11 th and 12 th grade only
	12197G1003	Career Pathway Project in Marketing	Teacher Approval and successful (grade of C or better) within the Marketing pathway; 11th and 12th grade only
	12197G1002	CTE Lab in Marketing	Teacher Approval and successful (grade of C or better) within the Marketing pathway; 11th and 12th grade only
Program	Course Number	Course Name	Prerequisite
Human Services Cluster/ Nutrition and Wellness	19251G1000	Family and Consumer Sciences (required foundation course)	None
	19253G1002	Nutrition and Food	FACS
	16202G1001	Event Planning and Management	FACS
	19147G1002	CTE Lab in Human Services	Teacher Approval and successful (grade of C or better) completion of at least 2 courses within the Nutrition and Wellness Pathway
	19997G1001	Career Pathway Project in Human Services	Teacher Approval and successful (grade of C or better) completion of at least 2 courses within the Nutrition and Wellness Pathway
Program	Course Number	Course Name	Prerequisite
Health Science	14002G1001	Foundations of Health Science (required foundation course)	None
	14299G1001	*Human Body Structures and Functions	Foundations of Health Science
	14152G1001	Pharmacy Technician	Foundations of Health Science, *Medical Terminology recommended
	14154G1000	Medical Terminology (Dual Enrollment Available)	Foundations of Health Science
	14062G1010	Sports Medicine I	Foundations of Health Science

	14999G1000	CTE Lab in Health Science *Must have a Driver's License	Foundations of Health Science (11th or 12th grade only); and successful (grade of C or better) completion of 2 other course in the Health Science Pathway
	14997G1010	Career Pathway Project in Health Science	Foundations of Health Science (11th or 12th grade only); and successful (grade of C or better) completion of 2 other course in the Health Science Pathway
Program	Course Number	Course Name	Prerequisite
PLTW Computer Science Program	10013G1000	**Computer Science Essentials-Math and/or Science Credit eligible	None
	10016G1000	**Cybersecurity-PLTW-Math and/or Science Credit eligible	None
	10019E1000	**AP Computer Science Principles-Math and/or Science Credit eligible	11th or 12th Grade
Computer Science Program	10012G1001	**Exploring Computer Science-Math and/or Science Credit eligible	None
	10001G1000	Information Technology Fundamentals	None
	10019E1000	**AP Computer Science Principles-Math and/or Science Credit eligible	11th or 12th Grade
	10997G1001	Career Pathway Project-Information Technology	(11th or 12th grade only); and successful (grade of C or better) completion of 2 other courses in the Computer Science Pathway
	10997G1002	CTE Lab in Information Technology	(11th or 12th grade only); and successful (grade of C or better) completion of 2 other courses in the Computer Science Pathway
See Mrs. Brown for information pertaining to this course.	REACH	Advanced Manufacturing Technician Apprenticeship Program (AMTAP) Lockheed Martin	Application, teacher approval, seniors only

Program	Course Number	Course Name	Prerequisite
PLTW Engineering	21017G1000	*PLTW Introduction to Engineering Design	None
	21018G1000	*PLTW Principles of Engineering	Introduction to Engineering (Grade of C or better)
	21021G1000	PLTW Civil Engineering and Architecture	Principles of Engineering Design; Intro to Engineering (Grade of C or better in both courses)
	21047G1001	Career Pathway Project in STEM	(11th or 12th grade only); and successful (grade of C or better) completion of 2 other courses in the PLTW Engineering Program
	21997G1000	CTE Lab in STEM	(11th or 12th grade only); and successful (grade of C or better) completion of 2 other courses in the PLTW Engineering Program
Program	Course Number	Course Name	Prerequisite
Law Enforcement Services	15001G1000	Introduction to Public Safety (required foundation course)	Required Foundation Course
	15054G1001	Law Enforcement and Corrections	Introduction to Public Safety ONLY 10th -12th grade
	15054G1000	Advanced Law Enforcement	Law Enforcement & Corrections ONLY 10th - 12th grade
	15997G1002	CTE Lab in Law, Public Safety, Corrections, and Security	Successful completion(grade of C or better) of Introduction to Public Safety and Law Enforcement and Corrections; Seniors Only;Teacher Approval
	15997G1001	Career Pathway Project in Law, Public Safety, and Corrections, and Security	Successful completion(grade of C or better) of Introduction to Public Safety and Law Enforcement and Corrections; Seniors Only;Teacher Approval
JAG Jobs for America's Graduates	22152G1015	JAG I	Required Foundation Course
	22152G1025	JAG II	JAG I
	22152G1035	JAG III	JAG II

	22152G1045	JAG IV	JAG III
Program		Course Name	Prerequisite
Dual Enrollment Offerings with Northwest-Shoals Community College - CTE		<ul style="list-style-type: none"> ● Accounting Technology ● Air Conditioning/Refrigeration Technology (HVAC) ● Applied Engineering and Machining (Machine Shop) ● Automotive Service Technology ● Business Office Management ● Child Development ● Computer Information Systems (CIS) ● Design Engineering Technology ● Electrical Technology ● Industrial Systems Technology ● Welding ● Carpentry and Cabinetmaking 	College Application
Possible CTE courses offered at Muscle Shoals Career Academy		<ul style="list-style-type: none"> ● Autobody ● Carpentry ● Welding 	Application and Director approval; Juniors and Seniors Only
Possible CTE Courses available at The University of North Alabama	Culinary Arts	CAM 112 Food Safety and Sanitation CAM 250 Intro to Culinary Arts HEM 102- Intro to Hospitality Management	College Application
	Mechatronics	MEC 101- Industrial Safety MEC 110- Instrumentation & Ind. Measurement MEC 140- AC & DC Fundamentals & Circuits	College Application
	Hospitality and Event Management	HEM 102- Introduction to Hospitality HEMA 123- Field Experience I HEMA 207- Career Preparation	College Application

General Agriculture Pathway

This program is designed to deliver a variety of agricultural disciplines which will provide students a general understanding of the scope of agriculture as it relates to the following areas: animal science, plant science, food science, forestry and wildlife sciences, agricultural construction and agricultural mechanics.

** Course may be used as a 3rd or 4th science credit.

FUNDAMENTALS OF AGRISCIENCE				
18003G1001	Grade Level: 9 & 10	Credit: 1.0	Fee \$25.00	Prerequisite: NONE
<p>Required Foundational Course for this Pathway</p> <p>Fundamentals of Agriscience is an introductory course that provides students with a general overview of Animal Science, Plant Science, Environmental Science, Industrial Agricultural Technologies, and General Agriculture, the five pathways within the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and/or laboratory activities in each of the five pathway areas. Emphases of Fundamentals of Agriscience include introduction to agriculture, technology, The National FFA, leadership, forestry, soils, wildlife, plants, aquaculture, animals, woodworking, welding, small engines, electricity, and plumbing.</p> <p>Credential: BQA (Beef Quality Assurance)</p>				

INTERMEDIATE AGRISCIENCE				
18003G1002	Grade Level: 9 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Fundamentals of Agriscience preferred
<p>Intermediate Agriscience builds on basic understanding of the Plant Science, Environmental Science, Industrial Agricultural Technologies, and General Agriculture pathways within the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each area. Intermediate Agriscience emphasizes plant systems, environmental systems, and industrial agricultural technologies.</p> <p>Credential: HomeBuilders Association of Alabama Residential Construction Skills Certification</p>				

ADVANCED AGRISCIENCE

18003G1003	Grade Level: 9th - 12th	Credit: 1.0	Fee: \$25.00	Prerequisite: Intermediate Agriscience preferred
<p>Advanced Agriscience provides students with an increased understanding of Animal Science, Industrial Agricultural Technologies, and General Agriculture, three of the five pathways of the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each area. Advanced Agriscience emphasizes animal science and industrial agricultural technologies.</p> <p>Credential: BQA (Beef Quality Assurance); Skills for Success - Skid Steer</p>				

APPLIED AGRISCIENCE

18003G1004	Grade Level: 9 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Fundamentals of Agriscience
<p>Applied Agriscience provides students with an advanced understanding of Industrial Agricultural Technologies and General Agriculture, two of the five pathways in the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each pathway area. Applied Agriscience emphasizes metal fabrication and power mechanics. Students should be allowed ample time in the laboratory to utilize content in real-world applications.</p> <p>Credential: BQA (Beef Quality Assurance); Skills for Success - Excavator</p>				

**AGRIBIOLOGY

18004G1001	Grade Level: 9 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE
<p>Agribiology uses agricultural contexts to present life science content. As students consider practical agricultural concepts, they apply scientific ways of thinking and working to real-life problems. Content may be enhanced by utilizing appropriate technology.</p> <p>Credential: Integrated Pest Management</p> <p>** Course may be used as a 3rd or 4th science credit.</p>				

CTE Lab in AFNR

18997G1000	Grade Level: 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Successful completion (Grade of C or better) of Fundamentals of Agriscience and one additional course in the General Agriculture pathway. Requires Teacher Approval.
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CTE Lab in Agriculture, Food, and Natural Resources enhances the student’s general understanding and mastery of the Agriculture, Food, and Natural Resources cluster, which contains five pathways—Animal Science, Plant Science, Environmental Science, Industrial Agricultural Technologies, and General Agriculture. This course is designed as a learning laboratory to support students’ individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership and take advantage of the opportunities afforded by Career and Technical Student Organizations, learn and practice essential digital skills, and participate in supervised projects which allow them to put into practice the skills and knowledge acquired in the classroom, shop, and lab. The foundational standards are to be incorporated throughout the course.

Credential: **Skills for Success - Skid Steer; Skills for Success - Excavator; Integrated Pest Management**

CAREER PATHWAY PROJECT IN AFNR

18998G1000	Grade Level: 10 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Successful completion (Grade of C or better) of Fundamentals of Agriscience and one additional course in the General Agriculture pathway. Requires Teacher Approval.
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Career Pathway Project (CPP) in Agriculture, Food, and Natural Resources is a capstone course designed for career and technical education students who have completed two or more courses in the AFNR career cluster. This course allows students to utilize their secondary coursework through an experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepare students for the workplace or for pursuing further education. During the CPP, the student works with his or her coordinating teacher, academic teachers, and a product or process mentor who has expertise in the student’s field of study. At the conclusion of the CPP, the student presents or demonstrates knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the product or process mentor, peers, and community and business representatives.

Credential: **Skills for Success - Skid Steer; Skills for Success - Excavator; Integrated Pest Management**

Marketing Cluster

This Marketing Cluster prepares high school students for careers in the field of marketing. Rigorous instruction is provided to equip learners with knowledge and skills for college and career readiness. Extended learning experiences to enrich and enhance instruction is reinforced through learner participation in career and technical student organizations (DECA).

CAREER PREPAREDNESS				
22153G1000	Grade Level: 9 - 12	Credit: 1.0	Fee: NONE	Prerequisite: NONE
<p>A required course for graduation for the new diploma that provides content knowledge and skills in the areas of career development and academic planning; computer skill applications; and financial literacy knowledge. Students enrolled in this course are eligible for membership in DECA.</p> <p>Credential: National Retail Federation-National Professional Certification in Customer Service and Sales</p>				

DIGITAL MARKETING				
12162G1001	Grade Level: 10 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE
<p>Digital Marketing introduces students to digital marketing techniques, tools, and methods, including email, websites, applications, social media, and other electronic means. This course focuses on how to develop and conduct digital marketing campaigns. Emphasis is placed on creating, implementing, and critiquing online advertising, email marketing, websites, social media, mobile marketing, search-engine optimization, video and images, podcasts, webcasts, and creating and repurposing content for use in digital environments.</p> <p>Certification: Adobe</p>				

ENTREPRENEURSHIP				
12053G1000	Grade Level: 11 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Teacher approval, application, interview
<p>Entrepreneurship focuses on the skills needed to organize, develop, create, and manage a business in a variety of environments. Course standards are designed to foster an entrepreneurial mindset; encourage innovation, critical thinking, and problem-solving in a fast-paced professional setting; and build basic knowledge of various entrepreneurial ventures.</p>				

SPORTS & ENTERTAINMENT MARKETING

12163G1003	Grade Level: 10 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE
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Sports and Entertainment Marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. This course introduces the student to the major segments of the industry and the social and economic impact the industry has on local, state, national, and global economies. Although no prerequisite is listed, it is suggested that students complete an introductory marketing course prior to taking Sports and Entertainment Marketing.

Certification: Adobe

CAREER PATHWAY PROJECT IN MARKETING

12197G1003	Grade Level: 11 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Teacher approval, two additional courses within this pathway
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Career Pathway Project (CPP) in Marketing is a capstone course designed for students who have completed two or more Career and Technical Education credits from the same pathway in the Marketing Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

Certification: Adobe

CTE LAB IN MARKETING

12197G1002	Grade Level: 11 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Teacher approval, two additional courses within this pathway
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CTE Lab in Marketing is designed to enhance the student's general understanding and mastery of content in the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment. Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership qualities and take advantage of the opportunities afforded by Career and Technical Student Organizations (CTSOs), and learn and practice essential digital literacy skills. The foundational standards are to be incorporated throughout the course.

Certification: Adobe

FINANCE CLUSTER

The Finance program prepares learners for careers in financial and investment planning, banking, insurance, and business financial management. Career opportunities are available in every sector of the economy and require individuals working in finance to have strong computation, analytical, and interpersonal skills. Rigorous instruction is provided to equip learners with knowledge and skills for college and career readiness. Extended learning experiences to enrich and enhance instruction is reinforced through learner participation in career and technical student organizations (DECA).

CAREER PREPAREDNESS				
22153G1000	Grade Level: 9 - 12	Credit: 1.0	Fee: NONE	Prerequisite: NONE
<p>A required course for graduation for the new diploma that provides content knowledge and skills in the areas of career development and academic planning; computer skill applications; and financial literacy knowledge. Students enrolled in this course are eligible for membership in DECA.</p> <p>Credential: National Retail Federation-National Professional Certification in Customer Service and Sales</p>				

FUNDAMENTALS OF FINANCIAL MANAGEMENT (Tiger Branch)				
12103G1006	Grade Level: 10 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Career Prep, Application, Teacher and Bank Approval
<p>Fundamentals of Financial Management introduces students to a wide range of accounting, finance, and management concepts and skills, focusing on financial analysis that supports economic decision-making in business. The course provides core content applicable to all businesses and enables students to acquire a deep, practical understanding of all aspects of financial management.</p> <p>Credential: Customer Service-Skills for Success</p>				

BUSINESS FINANCE (Tiger Branch)				
12007G1000	Grade Level: 10 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Career Prep, Application, Teacher and Bank Approval
<p>Business Finance is designed to provide students with an overview of business financial matters. The content focuses on the business environment, economics, accounting procedures, and developing a business plan. Students will gain knowledge of business management, accounting, and investment.</p> <p>Credential: Customer Service-Skills for Success</p>				

CAREER PATHWAY PROJECT IN FINANCE

12147G1003	Grade Level: 11 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Teacher approval, two additional courses within this pathway
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Career Pathway Project (CPP) in Finance is a capstone course designed for students who have earned two or more credits from the same pathway in the Finance Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

CTE LAB IN FINANCE

12147G1002	Grade Level: 11 - 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Teacher approval, two additional courses within this pathway
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CTE Lab in Finance is designed to enhance the student's general understanding and mastery of content in the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment. Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership qualities and take advantage of the opportunities afforded by Career and Technical Student Organizations (CTSOs), and learn and practice essential digital literacy skills. The foundational standards are to be incorporated throughout the course.

COOPERATIVE EDUCATION

22998G1014	Grade Level: 11-12	Credit: 1.0	Fee: NONE	Prerequisite: Teacher approval, application, interview Requirement: Must have completed Career Prep and at least one course in another Career Tech pathway.
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A one-credit work-based experience requiring a minimum of **270** continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.

Guidelines for enrollment in Cooperative Education

1. Must have good attendance in school (determined by Cooperative Ed teacher, Career Tech Director and principal).
2. Must have good behavior and conduct in school and community.
3. Must be 16 years of age by September 1.
4. Must have consent of parent or guardian.
5. Must submit an application to the program coordinator.
6. Must have approval of the program coordinator.
7. Must provide their own transportation.
8. Must have a job or acquire a job at the beginning of the semester. May be a paid or non-paid position.
9. Must be enrolled the entire semester to earn a full credit (half credits are not awarded).
10. Maintain employment throughout the semester.
11. Must provide proof of health insurance.
12. Must provide proof of automobile insurance.
13. Must provide a valid driver's license.
14. Must maintain a 70 or higher to remain in the course.

Criteria for credit in Cooperative Education

- A. Complete a minimum of 270 work hours
- B. Maintain continuous employment throughout the school year/semester (as it applies)
- C. Complete a weekly sign-in/check-in with the cooperative education teacher (more if requested)
- D. Complete all required forms by the stated deadlines
- E. If employment is lost during the semester/year, student must actively seek and document new employment (forms provided by cooperative education teacher). New employment must be gained within a three (3) week time period or credit will not be awarded.

NUTRITION & WELLNESS

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

FAMILY & CONSUMER SCIENCES				
19251G1000	Grade Level: 9-10	Credit: 1.0	Fee: \$35.00	Prerequisite: NONE
<p>A one-credit course that serves as the foundation course for the Human Services cluster. Course content provides opportunities for students to explore the core content included in the Family Studies and Consumer Sciences; Early Childhood Development and Services; Fashion; Interior Design; Food, Wellness, and Dietetics; and Consumer Sciences pathways. Major topics are marriage and family life, parenting and caregiving, consumer services, apparel, housing, food and nutrition, technology and careers. Students enrolled in this course are eligible</p>				

for membership in Family, Career and Community Leaders of America (FCCLA).
Credential: ServSafe Food Handler

NUTRITION & FOOD

19253G1002	Grade Level: 10-12	Credit: 1.0	Fee: \$35.00	Prerequisite: FACS
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A one-credit course designed to enable students to explore the relationship between food, nutrition, fitness, and wellness. Students learn how to select and prepare nutritious foods. Students enrolled in this course are eligible for membership in Family, Career and Community Leaders of America (FCCLA)
Credential: ServSafe Manager

EVENT PLANNING & MANAGEMENT

16202G1001	Grade Level: 11-12	Credit: 1.0	Fee: \$35.00	Prerequisite: FACS
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Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Concepts taught in the course to meet the needs of clients include planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training of staff, staging the event, calculating room and space requirements, providing necessary technology and equipment, planning food and beverage services, securing entertainment, understanding legal issues in event planning, and conducting post-evaluations of events. Students demonstrate leadership characteristics and make decisions based on integrating knowledge of financial, human resources, promotion, and event management principals. Students are prepared for various career opportunities in event planning.
Credential: Food and Beverage -Skills for Success

CTE Lab in Human Services

19147G1002	Grade Level: 10-12	Credit: 1.0	Fee: \$35.00	Prerequisite: Teacher Approval and successful (grade of C or better) completion of at least 2 courses within the Nutrition and Wellness Pathway
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This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Human Services 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.

Credential: ServSafe Food Handler, ServSafe Manager

Career Pathway Project (CPP) in Human Services				
19997G1001	Grade Level: 10-12	Credit: 1.0	Fee: \$35.00	Prerequisite: Teacher Approval and successful (grade of C or better) completion of at least 2 courses within the Nutrition and Wellness Pathway
<p>Career Pathway Project (CPP) in Human Services is a capstone course which allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. During the CPP, the student works with his or her coordinating teacher, academic teachers, and a product or process mentor who has expertise in the student's field of study. At the conclusion of the CPP, the student presents or demonstrates the knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the mentor, peers, and community and business representatives. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Human Services cluster affiliate with Family, Career, and Community Leaders of America (FCCLA). Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts; explore career opportunities and requirements; practice the skills needed to succeed in the workplace; take advantage of leadership, teamwork, and personal growth opportunities afforded by Career and Technical Student Organizations; and learn and practice essential digital skills. The foundational standards are to be incorporated throughout the course.</p> <p>Credential: ServSafe Manager</p>				

HEALTH SCIENCE

The Career and Technical Education Health Science program prepares students for employment in careers that involve planning, managing, and providing healthcare services through professions in the following categories: therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. Career and technical student organizations (HOSA) 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. Students in most courses will have the opportunity to be certified in American Heart Association First Aid and CPR/AED.

FOUNDATIONS OF HEALTH SCIENCE				
14002G1001	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE
<p>A required course in the health science curriculum and a prerequisite to all other courses.</p> <p>This course is designed to provide students with a solid basis for moving ahead in any healthcare field they may choose. The topics covered include safety, infection control, legal and ethical practices, career exploration, employability skills, medical math, healthcare delivery systems, health and wellness, communication and teamwork, medical terminology, body organization, basic anatomy and physiology of each major body system, and entry level technical skills. This course is the prerequisite for all other health science courses. It is recommended for students who want to prepare for further study at the postsecondary level for a broad array of health-related fields. Students enrolled in this course are eligible for membership in HOSA Future Health Professionals.</p>				

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*HUMAN BODY STRUCTURES & FUNCTIONS				
14299G1001	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Foundations of Health Science
<p>Human Body Structures and Functions is designed to help students develop basic knowledge of the normal anatomy and physiology of the human body. The course builds upon and extends the knowledge and terminology presented in Foundations of Health Science by presenting content that emphasizes how the eleven body systems coordinate to maintain homeostasis and how pathophysiology within each system leads to disease. An understanding of the structures and functions of the body is essential as students move on to further study and their future healthcare careers. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals.</p> <p>*Possible 3rd or 4th Science Credit</p>				

PHARMACY TECHNICIAN				
14152G1001	Grade Level: 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Foundations of Health Science *Recommend Medical Terminology as a prerequisite
<p>Pharmacy Technician is designed to prepare students for employment as a pharmacy technician. The course covers content related to medication safety, quality assurance, pharmacy law, pharmacology, patient safety, customer service, sterile and non-sterile compounding, medical terminology, medical abbreviations, order processing, and pharmacy calculations. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals.</p> <p>Credential: Certified Pharmacy Technician, CPhT</p>				

MEDICAL TERMINOLOGY (Dual Enrollment Available)

14154G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Foundations of Health Science *Recommended prerequisite for Pharmacy Technician
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Medical Terminology requires students to develop knowledge of the language of medicine for use in a wide range of healthcare occupations. Content includes the usage and meaning of word roots and affixes and meanings of abbreviations, that pertain to particular diagnoses, equipment, procedures, and medical specialties. Terminology is applied in detail to describe body organization, explain the structure of body systems (which forms the majority of the course content), and produce technical writing. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals.

SPORTS MEDICINE I

14062G1010	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Foundations of Health Science
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Sports Medicine I introduces students to the field of sports medicine and its important goals of managing risk and preventing and treating sports-related injuries. The course presents basic concepts and skills regarding legal and ethical considerations, anatomy and physiology, safety, nutrition, assessment, therapeutic exercise, and physical modalities. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals. Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts; explore career opportunities and requirements; practice the skills needed to succeed in the workplace; take advantage of leadership, teamwork, and personal growth opportunities afforded by Career and Technical Student Organizations; and learn and practice essential digital skills. The foundational standards are to be incorporated throughout the course.

CTE LAB IN HEALTH SCIENCE

14999G1000	Grade Level: 12	Credit: 1.0	Fee: \$25.00	Prerequisite: Foundations of Health Science, Application, and Teacher Approval
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CTE Lab in Health Science is designed to enhance the student’s general understanding and mastery of content in the cluster. This course is designed as a learning laboratory to support students’ individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals. Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts; explore career opportunities and requirements; practice the skills needed to succeed in the workplace; take advantage of leadership, teamwork, and personal growth opportunities afforded by Career and Technical Student Organizations; and learn and practice essential digital skills. The foundational standards are to be incorporated throughout the course.

CAREER PATHWAY PROJECT IN HEALTH SCIENCE				
14997G1010	Grade Level: 10-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Foundations of Health Science, Application, and Teacher Approval
<p>Career Pathway Project (CPP) in Health Science is a capstone course which allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. During this course, the student works with his or her coordinating teacher, academic teachers, and a product or process mentor who has expertise in the student’s field of study. At the conclusion of the Career Pathway Project, the student presents or demonstrates the knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the mentor, peers, and community and business representatives. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals. Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts; explore career opportunities and requirements; practice the skills needed to succeed in the workplace; take advantage of leadership, teamwork, and personal growth opportunities afforded by Career and Technical Student Organizations; and learn and practice essential digital skills. The foundational standards are to be incorporated throughout the course.</p>				

PROJECT LEAD THE WAY – COMPUTER SCIENCE

At a time when computer science affects how we work and live, PLTW Computer Science empowers students in grades 9-12 to become creators, instead of merely consumers, of the technology all around them. The program’s interdisciplinary courses engage students in compelling, real-world challenges. As students work together to design solutions, they learn computational thinking – not just how to code – and become better thinkers and communicators. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

*COMPUTER SCIENCE ESSENTIALS PLTW				
10013G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE
<p>Computer Science Essentials is a one-credit course that introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language.</p> <p>Credential: Fiber Optics-Skills for Success</p>				

***Can count as 4th math or 3rd or 4th science credit**

***CYBERSECURITY-PLTW -Math and/or Science Credit eligible**

10016G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Information Technology Fundamentals
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Cybersecurity I is designed to provide an entry into the quickly growing field of cybersecurity. It focuses on building key concepts and exploring the range and scope of the cybersecurity field. The course also looks at best practices, the importance of maintaining a high level of ethical behavior, the provisions and rationale for government regulations and laws, and the consequences of failure to abide by these rules. The course builds on students' basic knowledge of computers and networks to create a deeper understanding of how computer systems, devices, and other networks are interconnected through secure data networks. This course will continue to help prepare students for industry-level exams. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Information Technology cluster affiliate with SkillsUSA and/or TSA. Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership qualities and take advantage of the opportunities afforded by Career and Technical Student Organizations (CTSOs), and learn and practice essential digital literacy skills. The foundational standards are to be incorporated throughout the course.

Credential- FAA Part 107

***AP COMPUTER SCIENCE PRINCIPLES**

10019E1000	Grade Level: 11-12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE
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College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.

Credential: AP Computer Science Exam

***Can count as 4th math or 3rd or 4th science credit**

COMPUTER SCIENCE PROGRAM

The Information Technology Cluster contains three career pathways: Cybersecurity and Infrastructure, Computer Science, and Information Technology Support and Services. Specific content standards indicate what students should know and be able to do at the end of each course. It is recommended that a student complete a foundation course (Information Technology Fundamentals or Programming Foundations) as the first course in his/her chosen pathway. This cluster prepares students for careers in a rapidly changing digital world by engaging them in hands-on learning to advance technical skills. Career opportunities in this cluster are available in every sector of business and industry. In addition to deep technical knowledge, these careers require personal skills such as problem-solving, critical thinking, organization, and the ability to practice ethical behavior. Rigorous instruction is provided to equip students for college and careers. In all courses, students demonstrate appropriate knowledge and behaviors regarding the legal and ethical responsibilities of information technology professionals. This cluster offers opportunities for middle and junior high school students to benefit from the exploration of careers in Information Technology as early as sixth grade. The knowledge and skills students gain through Information Technology courses prepare them to meet requirements for post-secondary education and industry-based certifications available from trade associations and technology firms, such as CompTIA, Cisco, and Microsoft. Concentration in courses offered through this cluster provides students with the potential to earn globally recognized industry credentials which will enhance their resumés and enable them to jump-start their careers. Courses included in this cluster begin with foundational standards important to job skill development for all career and technical education programs. Foundational Standard 3 focuses on investigating education, training, and credentialing to meet requirements for employment.

INFORMATION TECHNOLOGY FUNDAMENTALS				
10001G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE
<p>Information Technology Fundamentals introduces the knowledge base and technical skills for information technology careers. The course presents the basics of computer technology and the functions of information systems. Topics include applications and software, infrastructure, database fundamentals, security, and software development. Emphasis is placed on maintaining a safe working environment and on building technology skills needed for working in the information technology environment.</p> <p>Credential: FAA Part 107</p>				

*AP COMPUTER SCIENCE PRINCIPLES				
10019E1000	Grade Level: 11-12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE
<p>College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.</p> <p>Credential: AP Computer Science Exam</p> <p>*Can count as 4th math or 3rd or 4th science credit</p>				

***EXPLORING COMPUTER SCIENCE**

10012G1001	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE
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Lab Fee: \$25.00
Credential: FAA Part 107

Exploring Computer Science is an introductory high school computer science course focused on foundational computer science concepts and computational practices. Students will be introduced to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Exploring Computer Science is designed to be a college preparatory high school course and thus, should provide a rigorous, but accessible, introduction to computer science. No previous computer science experience is required.

***Can 3rd or 4th science credit OR a student's fourth math credit. It can not be used for both math and science.**

CAREER PATHWAY PROJECT IN INFORMATION TECHNOLOGY

10997G1001	Grade Level: 10-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Teacher Approval and successful (grade of C or better) completion of at least 2 courses within the Computer Science Pathway
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Career Pathway Project (CPP) in Information Technology is a capstone course designed for career and technical education students who have completed two or more courses in the Information Technology career cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. During the CPP, the student works with his or her coordinating teacher, academic teachers, and a product or process mentor who has expertise in the student's field of study. At the conclusion of the CPP, the student presents or demonstrates the knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the mentor, peers, and community and business representatives. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace readiness skills, and access opportunities for personal and professional growth. Students in the Information Technology cluster affiliate with SkillsUSA and/or TSA. Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership qualities and take advantage of the opportunities afforded by Career and Technical Student Organizations (CTSOs), and learn and practice essential digital literacy skills. The foundational standards are to be incorporated throughout the course.

CTE LAB IN INFORMATION TECHNOLOGY				
10997G1002	Grade Level: 10-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Teacher Approval and successful (grade of C or better) completion of at least 2 courses within the Computer Science Pathway
<p>CTE Lab in Information Technology is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Information Technology cluster affiliate with SkillsUSA and/or TSA. Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership qualities and take advantage of the opportunities afforded by Career and Technical Student Organizations (CTSOs), and learn and practice essential digital literacy skills. The foundational standards are to be incorporated throughout the course.</p>				

LOCKHEED MARTIN/AMTAP PROGRAM				
REACH	Grade Level: 12	Credit: None	Fee: NONE	Prerequisite: Application and Teacher approval; seniors only
<p>The Deshler High School's Manufacturing Basic Skills (MBS) Pre-Apprenticeship Program is a project-based path for the next generation of assembly & testers and provides a path into a registered apprenticeship program with LM's AMTAP Registered Apprenticeship Program. Through project-based and peer learning, the students engage in courses which provide foundational knowledge necessary to enter the occupation and the LM AMTAP Registered Apprenticeship Program. All participants will have the opportunity to receive the OSHA 10 industry credential and will receive Ready to Work training.</p>				

PROJECT LEAD THE WAY – ENGINEERING

From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program's courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take. PLTW Engineering courses are part of the AP + PLTW engineering pathway.

*INTRODUCTION TO ENGINEERING DESIGN-PLTW				
21017G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: NONE

A one-credit course that uses a design development process while enriching problem-solving skills. Students create and analyze models using 3D modeling software.

Credential: Autodesk Inventor Certified User

***Can count as a 4th math credit**

***PRINCIPLES OF ENGINEERING PLTW**

21018G1000	Grade Level: 10-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Introduction to Engineering (Grade of C or better)
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A one-credit course that allows students to explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation through problems that engage and challenge. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

***Can count as a 3rd or 4th science credit**

CIVIL ENGINEERING AND ARCHITECTURE-PLTW

21021G1000	Grade Level: 11-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Introduction to Engineering or Principles of Engineering Design
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A one-credit course that allows students to learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects, and document their work using 3D architecture design software.

Credential: Autodesk Revit: Architecture

CAREER PATHWAY PROJECT IN STEM

21047G1001	Grade Level: 11-12	Credit: None	Fee: \$25.00	Prerequisite: Teacher Approval and successful (grade of C or better) completion of at least 2 courses within the STEM Program
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Career Pathway Project (CPP) in Information Technology is a capstone course designed for career and technical education students who have completed two or more courses in the Information Technology career cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. During the CPP, the student works with his or her coordinating teacher, academic teachers, and a product or process mentor who has expertise in the student's field of study. At the conclusion of the CPP, the student presents or demonstrates the knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the mentor, peers, and

community and business representatives. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace readiness skills, and access opportunities for personal and professional growth. Students in the Information Technology cluster affiliate with SkillsUSA and/or TSA. Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership qualities and take advantage of the opportunities afforded by Career and Technical Student Organizations (CTSOs), and learn and practice essential digital literacy skills. The foundational standards are to be incorporated throughout the course.

CTE LAB IN STEM

21997G1000	Grade Level: 11-12	Credit: None	Fee: \$25.00	Prerequisite: Teacher Approval and successful (grade of C or better) completion of at least 2 courses within the STEM Program
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CTE Lab in STEM enhances the student’s general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students’ individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment. Foundational standards, shown in the chart below, are an important part of every course. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership and take advantage of the opportunities afforded by Career and Technical Student Organizations. The foundational standards are to be incorporated throughout the course.

Law Enforcement Services

This program is for students who are interested in pursuing careers in law enforcement and forensic science. The student will learn the role and responsibilities of a law enforcement officer; discuss relevant rules, regulations, and laws; and demonstrate defensive tactics, police patrol techniques, and CPR and First Aid procedures as used in emergency situations. Meeting and maintaining physical fitness standards for law enforcement is also emphasized in this course. The courses also focus on career opportunities, safety, history of forensic science, criminal investigation, forensic serology and DNA testing, forensic studies in anthropology, toxicology, fingerprinting, firearms, physics, and document examination

INTRODUCTION TO PUBLIC SAFETY

15001G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Required Foundation Course
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A foundational course that helps students develop the knowledge and skills necessary for success and advancement in specialized preparatory programs for public service jobs. The course emphasizes emergency preparedness, basic first aid, fire management services, legal services, and corrections and law enforcement services.

Stackable Credential: Adult/Infant CPR

LAW ENFORCEMENT AND CORRECTIONS

15054G1001	Grade Level: 10-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Introduction to Public Safety
<p>A one-credit course designed to align with the curriculum that many law enforcement academies require and is intended for students who may be interested in pursuing a career in this field. Law Enforcement and Corrections provides an overview of the history, organization, and functions of local, state, and federal law enforcement agencies. Students will examine the role of constitutional law at local, state, and federal levels; the United States legal system; criminal law; law enforcement terminology and procedures; and the classification and elements of crime according to the Criminal Code of Alabama.</p> <p>Credential: Mental Health Worker-Skills for Success</p>				

ADVANCED LAW ENFORCEMENT				
15054G1000	Grade Level: 10-12	Credit: 1.0	Fee: \$25.00	Prerequisite: Law Enforcement and Corrections
<p>In Advanced Law Enforcement, students prepare for enrollment in police academy and for the certification required for employment as a law enforcement officer. The student will learn the roles and responsibilities of law enforcement officers in a variety of settings; discuss relevant rules, regulations, and laws; demonstrate patrol, communication, and advanced police techniques; and demonstrate CPR and first aid procedures as used in emergency situations.</p> <p>Credential: Mental Health Worker-Skills for Success</p>				

CTE LAB IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY				
15997G1002	Grade Level: 12	Credit: 1.0	Fee: \$25.00	Prerequisite: 2 Courses completed within the same Pathway; Teacher Approval
<p>A one-credit course designed to enhance the student’s general understanding and mastery of the cluster, which contains four pathways – Law Enforcement Services, Correctional Services, Legal Services, and Emergency and Fire Management Services. This course is designed as a learning laboratory to support students’ individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or a virtual learning environment.</p>				

JAG JOBS for AMERICA’S GRADUATES

Jobs for America's Graduates (JAG) is a career readiness course that helps students develop the skills needed to graduate, succeed in the workforce, and plan for life after high school. The course includes career exploration, employability and leadership skills, financial literacy, goal setting, job readiness training, guest speakers, work-based learning experiences, and ongoing support to help students successfully transition into employment, technical training, college, or the military.

JAG I

22152G1015	Grade Level: 9-12	Credit: 1.0	Fee: NONE	Prerequisite: Foundation Course
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A one-credit course designed for students participating in the first year of the Jobs for America's Graduates national curriculum.

JAG II

22152G1025	Grade Level: 9-12	Credit: 1.0	Fee: NONE	Prerequisite: JAG I
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A one-credit course designed for students participating in the second year of the Jobs for America's Graduates national curriculum.

JAG III

22152G1035	Grade Level: 9-12	Credit: 1.0	Fee: NONE	Prerequisite: JAG II
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A one-credit course designed for students participating in the third year of the Jobs for America's Graduates national curriculum.

JAG IV

22152G1045	Grade Level: 9-12	Credit: 1.0	Fee: NONE	Prerequisite: JAG III
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A one-credit course designed for students participating in the fourth year of the Jobs for America's Graduates national curriculum.