

HIGH SCHOOL ACADEMIC GUIDE

Course Descriptions



BALDWIN COUNTY PUBLIC SCHOOLS
Building Excellence

Class of 2028

Issued 2024

DIVISION OF INSTRUCTIONAL SUPPORT

FOREWORD

This book serves as a guide for parents, students, and teachers to assist in planning course selection. Included you will find course requirements, graduation requirements, and other information. Students have two diploma options in the Baldwin County Public Schools System. The requirements for each option are listed in this book. The Baldwin County Public Schools System offers courses in compliance with state guidelines. **Local Board decisions, changes in State Department guidelines, and changes in State Courses of Study overrule the guidelines and course offerings listed in this book.**

Elective courses are available to satisfy diploma requirements. Many of those offered are available at each school, but often, teaching personnel, facilities, and demand will necessitate different offerings for elective courses. Under the direction of the Division of Instructional Support, designated schools may participate in innovative pilot programs and courses which may not be described in this Academic Guide.

Students and parents are responsible for reading the contents of this guide. Careful steps should be taken in selecting high school courses that meet diploma requirements, college entrance requirements, Alabama High School Athletic Association (AHSAA) and or National Collegiate Athletic Association (NCAA) eligibility and all other requirements needed. After a diploma option has been chosen, students and parents are responsible for ensuring that they have signed the form declaring the diploma option choice and that students are enrolled in appropriate courses.

Kuder®

As a companion to this Academic Guide, Baldwin County Public Schools has provided access for all middle and high school students to Kuder® <http://al.kuder.com>. Through this resource, all students may create an individual career portfolio that includes a skills and ability inventory, career exploration, post-secondary educational options, and high school course planning.

STATEMENT OF POLICY

It is the official policy of the Baldwin County Board of Education that no person shall – on the grounds of race, color, disability, sex, religion, national origin, age or creed – be excluded from participation in, denied the benefits of, or subjected to discrimination under any program, activity, or employment.

It shall be the policy of the Baldwin County Board of Education (“Board”) that no student shall be denied the benefit of any educational program or educational activity on the basis of race, color, national origin, age, sex, disability, limited English proficiency, immigrant status, migrant status, or homeless status. A free and appropriate education is available to all students with disabilities. It shall be the policy of the Board that barriers to enrolling and retaining homeless students shall be removed. All programs offered by schools within the school district shall be open to all students in compliance with statutory and judicial requirements.

MISSION OF BALDWIN COUNTY SCHOOLS

In partnership with our communities, the Baldwin County Public School’s mission is to prepare ALL students to graduate college and career ready through a culture of equity and opportunity.

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ALABAMA HIGH SCHOOL DIPLOMA

Applies to students entering 9th grade in **2019-2020** academic year and thereafter.

24 Credits Required for Graduation

| | |
|--|------------------|
| English | 4 credits |
| English 9 or Honors English 9 | 1 |
| English 10 or Honors English 10 | 1 |
| English 11 or Honors English 11 or AP English Language and Composition or approved dual enrollment equivalent | 1 |
| English 12 or Honors English 12 or AP English Literature and Composition or approved dual enrollment equivalent | 1 |
| Mathematics | 4 credits |
| Geometry with Data Analysis or Honors Geometry with Data Analysis | 1 |
| Algebra I with Probability or Honors Algebra I with Probability | 1 |
| Algebra II with Statistics or Honors Algebra II with Statistics | 1 |
| plus | |
| Select an additional course from the following to meet the remaining mathematics credit requirement: | |
| Algebra with Finance | 1 |
| Mathematical Modeling | 1 |
| Application of Finite Mathematics | 1 |
| Precalculus or AP Precalculus | 1 |
| AP Calculus AB/BC | 1 |
| AP Statistics | 1 |
| AP Computer Science Principles | 1 |
| AP Computer Science A | 1 |
| Or approved SDE/CTE/AP/IB/dual enrollment equivalent course | 1 |
| Science | 4 credits |
| Biology or Honors Biology | 1 |
| A physical science course (either Physical Science, Chemistry, or Physics) | 1 |
| plus | |
| Select two additional courses from the following to meet the remaining 3rd & 4th science credit requirements: | |
| Physical Science | 1 |
| Chemistry | 1 |
| Physics | 1 |
| Human Anatomy and Physiology | 1 |
| Earth and Space Science | 1 |
| Environmental Science | 1 |
| *Marine Science or Honors Marine Science | 1 |
| *Zoology or Honors Zoology | 1 |
| *Aquascience | 1 |
| AP Biology | 1 |
| AP Chemistry | 1 |
| AP Physics I | 1 |
| AP Physics II | 1 |
| AP Physics C: Mechanics (.5) and AP Physics C: Electricity & Magnetism (.5) | 1 |
| AP Environmental Science | 1 |
| Or approved SDE/CTE/AP/IB/dual enrollment equivalent course | 1 |
| Social Studies | 4 credits |
| World History or Honors World History or AP World History | 1 |
| U.S. History I or Honors U.S. History I or AP European History or AP Human Geography or approved dual enrollment equivalent | 1 |
| U.S. History II or Honors U.S. History II or AP US History (required if student earned credit for AP European History or AP Human Geography) or approved dual enrollment equivalent | 1 |
| U.S. Government or Honors U.S. Government or AP Government and Politics or approved dual enrollment equivalent ** | 0.5 |
| Economics or Honors Economics | 0.5 |

| | |
|---|-------------|
| Beginning Kinesiology or JROTC | 1 credit |
| Career Preparedness *** | 1 credit |
| Fine Arts or Career Tech or World Languages Electives | 3 credits |
| Health | 0.5 credit |
| Electives | 2.5 credits |

*Course requires ALSDE approval of annual course waiver.

** Students must pass all assessments as directed by the Alabama State Department of Education. Alabama ACT 2017-173 requires all high school seniors in Alabama to successfully complete a civics test based on the US Citizenship and Immigration Services exam in order to graduate with an Alabama High School Diploma. Students who do not successfully complete the exam on the first attempt must take it again during their government or senior history class. During the 2023 Legislative Session, the Alabama Legislature passed Act #2023-179, mandating that Alabama students entering Grade 9 in the 2024-2025 academic year complete a course in personal financial literacy and earn a passing score on a personal financial literacy assessment prior to graduation.

*** Students must complete the ALSDE required online experience.

COLLEGE PREPARATORY DISTINCTION

To be recognized with **College Preparatory Distinction** at graduation, students must successfully complete a minimum of 5.5 credits in Advanced Placement courses and earn a minimum weighted, cumulative GPA of 4.0* in all classes with no D's or F's.

AP English Language and Composition
AP English Literature and Composition

AP Calculus AB
AP Calculus BC
AP Computer Science A
AP Computer Science Principles
AP Precalculus
AP Statistics

AP Biology
AP Chemistry
AP Physics 1
AP Physics 2
AP Physics C: Mechanics
AP Physics C: Electricity and Magnetism
AP Environmental Science

AP World History
AP European History
AP Human Geography
AP United States History
AP Government and Politics

AP Studio Art
AP Art History
AP Music Theory
AP Psychology
AP Spanish Language and Culture
AP French Language and Culture

AP Seminar
AP Research

Course offerings may vary by campus.

+ By date of graduation ceremony

When selecting classes, consideration should be given to the student's future goals and the specific requirements for universities, the military, NCAA, etc. (For example, although foreign language is not required for the Alabama High School Diploma, some higher education programs may require these courses for admission to their specific programs. Also, some colleges have specific admission requirements related to core subjects and may not accept substitute courses approved by the Alabama State Department of Education.) Students and parents must check the requirements of any programs they plan to pursue in the future.

ALABAMA HIGH SCHOOL DIPLOMA

My Four Year Plan

| Subject | | 9 th | 10 th | 11 th | 12 th |
|--------------------------------|-----------|-----------------|------------------|------------------|------------------|
| Career Preparedness | 1 | | | | |
| CTE/Foreign Language/Fine Art | 3 | | | | |
| English | 4 | | | | |
| Mathematics | 4 | | | | |
| Social Studies | 4 | | | | |
| Science | 4 | | | | |
| Health | 0.5 | | | | |
| Beginning Kinesiology or JROTC | 1 | | | | |
| Electives | 2.5 | | | | |
| | | | | | |
| | | | | | |
| TOTAL | 24 | | | | |

Name: _____

Student Number: _____

Today's Date: _____

| 9 th Grade Courses | | 10 th Grade Courses | | 11 th Grade Courses | | 12 th Grade Courses | |
|-------------------------------|--|--------------------------------|--|--------------------------------|--|--------------------------------|--|
| 1 | | 1 | | 1 | | 1 | |
| 2 | | 2 | | 2 | | 2 | |
| 3 | | 3 | | 3 | | 3 | |
| 4 | | 4 | | 4 | | 4 | |
| 5 | | 5 | | 5 | | 5 | |
| 6 | | 6 | | 6 | | 6 | |
| 7 | | 7 | | 7 | | 7 | |
| 8 | | 8 | | 8 | | 8 | |
| Make-Up Courses | | Make-Up Courses | | Make-Up Courses | | Make-Up Courses | |
| 1 | | 1 | | 1 | | 1 | |
| 2 | | 2 | | 2 | | 2 | |

1. Cooperative Education Seminar/Work-Based Experience will be required for any students with disabilities earning core credits through Essentials/Life Skills courses (formerly known as AOD Courses).
2. Honors classes are approved equivalents of standard level courses if available on your campus.
3. When completing the four-year plan, consideration should be given to the student's future goals and the specific requirements for universities, the military, NCAA, etc. (For example, though foreign language is not required for the Alabama High School Diploma, some higher education programs may require these courses for admission to their specific programs. Also, some colleges have specific admission requirements related to core subjects and may not accept substitute courses approved by the Alabama State Department of Education.) Students and parents must check the requirements of any programs they plan to pursue in the future.

ALABAMA HIGH SCHOOL DIPLOMA

with Baldwin County College Preparatory with Distinction Endorsement for International Baccalaureate Students (College Prep + Distinction for IB Diploma)*

The Alabama High School Diploma with Baldwin County College Preparatory with Distinction Endorsement for International Baccalaureate (IB) Students is a rigorous program designed to meet the needs of highly motivated secondary students and to promote international understanding. The Baldwin County College Prep + Distinction Endorsement, which is earned concurrently with the IB Diploma, is offered by the Baldwin County Public Schools System to provide special recognition for students who complete an intensive study in core subject areas. If a student's unweighted GPA in the 18 courses noted with a "✓" falls below 2.0, the student will be evaluated by the IB staff and may be removed from the program. An IB Diploma is awarded by the International Baccalaureate Organization (IBO) following the posting of the final comprehensive exams in July. Contact the IB Coordinator at the respective school for a complete listing of IB Diploma requirements.

| | |
|--|----------|
| English (Most advanced course offered for each grade level at the student's local BCBE school)..... | 4 |
| Honors English 9..... | 1 |
| Honors English 10..... | 1 |
| IB English HL..... | 2 |
| Foreign Language (consecutive in one language) | 4 |
| Spanish I..... | 1 |
| Spanish II..... | 1 |
| Spanish III (IB HL or SL)..... | 1 |
| Spanish IV (IB HL or SL)..... | 1 |
| French I..... | 1 |
| French II..... | 1 |
| French III (IB HL or SL)..... | 1 |
| French IV (IB HL or SL) | 1 |
| Mathematics (Most advanced course offered for each grade level at the student's local BCBE school) | 5 (or 4) |
| Honors Algebra I with Probability ^a (or successful completion of Grade 8 Accelerated Math) ... 1 (or 0) | |
| Honors Geometry with Data Analysis | 1 |
| Honors Algebra II with Statistics | 1 |
| IB Math Applications and Interpretations SL 11 or IB Analysis and Approaches SL 11..... | 1 |
| IB Math Applications and Interpretations SL 12 or IB Analysis and Approaches SL 12 | 1 |
| Social Studies (Most advanced course offered for each grade level at the student's local BCBE school)..... | 4 |
| Honors or AP World History..... | 1 |
| AP US History or AP European History or AP Human Geography | 1 |
| History of the Americas HL | 2 |
| Science (Most advanced course offered for each grade level at the student's local BCBE school)..... | 4 |
| Honors Biology..... | 1 |
| Chemistry | 1 |
| IB Science HL | 2 |
| or: | |
| IB Science SL plus one of the following | 2 |
| Human Anatomy and Physiology, AP Chemistry, AP Biology, AP Physics 1, | |
| AP Physics 2, Physics, AP Physics C: Mechanics, AP Environmental Science. | |
| ****The following courses may be considered pending the approval of an ALSDE course waiver: | |
| Honors Marine Science, Zoology, Aquascience | |
| Career Preparedness **..... | 1 |
| Health | 0.5 |
| Physical Education | 1 |
| Beginning Kinesiology or JROTC | |
| IB Fine Arts (SL or HL) or additional IB Science | 1 |
| Theory of Knowledge..... | 1 |
| Electives | 2.5 |

Minimum Carnegie Units Required28*

*IB students must pass all assessments as directed by the Alabama State Department of Education, complete three HL courses, complete the minimum number of Creativity, Action, & Service (CAS) hours, and submit an Extended Essay. If students return to their base schools, they will be expected to meet all requirements for one of the other diplomas offered. See your school counselor for more information. Effective with the 2018-2019 school year, Alabama ACT 2017-173 requires all high school seniors in Alabama to successfully complete a civics test based on the US Citizenship and Immigration Services exam in order to graduate with an Alabama High School Diploma. Students who do not successfully complete the exam on the first attempt must take it again during their government or senior history class. During the 2023 Legislative Session, the Alabama Legislature passed Act #2023-179, mandating that Alabama students entering Grade 9 in the 2024-2025 academic year complete a course in personal financial literacy and earn a passing score on a personal financial literacy assessment prior to graduation.

** Students must complete the state-required online experience.

***When selecting classes, consideration should be given to the student's future goals and the specific requirements for universities, the military, NCAA, etc. (For example, though foreign language is not required for the Alabama High School Diploma, some higher education programs may require these courses for admission to their specific programs. Also, some colleges have specific admission requirements related to core subjects and may not accept substitute courses approved by the Alabama State Department of Education.) Students and parents must check the requirements of any programs they plan to pursue in the future.

****Not all course options are available at every campus.

^aStudents may take Geometry with Data Analysis and Algebra I with Probability concurrently. Students who successfully complete Grade 8 Accelerated Math and show adequate progress by the end of Geometry with Data Analysis in grade 9 may accelerate directly to Algebra II with Statistics without being required to earn a credit in Algebra I with Probability. These students would only be required to earn four math credits. Grade 8 Accelerated Math does not earn a high school credit.

ALABAMA HIGH SCHOOL DIPLOMA

with Baldwin County College Preparatory with Distinction Endorsement
for International Baccalaureate Students (CP + Distinction for IB)

My Four Year Plan

| Subject | | 9 th | 10 th | 11 th | 12 th |
|--------------------------------|-----------|-----------------|------------------|------------------|------------------|
| English | 4 | | | | |
| Foreign Language | 4 | | | | |
| Mathematics | 5 | | | | |
| Social Studies | 4 | | | | |
| Science | 4 | | | | |
| Health | 0.5 | | | | |
| Beginning Kinesiology or JROTC | 1 | | | | |
| | | | | | |
| Theory of Knowledge | 1 | | | | |
| Electives | 2.5 | | | | |
| Career Preparedness | 1 | | | | |
| | | | | | |
| TOTAL | 28 | | | | |

Name: _____

Student Number: _____

Today's Date: _____

| 9 th Grade Courses | | 10 th Grade Courses | | 11 th Grade Courses | | 12 th Grade Courses | |
|-------------------------------|--|--------------------------------|--|--------------------------------|--|--------------------------------|--|
| 1 | | 1 | | 1 | | 1 | |
| 2 | | 2 | | 2 | | 2 | |
| 3 | | 3 | | 3 | | 3 | |
| 4 | | 4 | | 4 | | 4 | |
| 5 | | 5 | | 5 | | 5 | |
| 6 | | 6 | | 6 | | 6 | |
| 7 | | 7 | | 7 | | 7 | |
| 8 | | 8 | | 8 | | 8 | |
| Make-Up Courses | | Make-Up Courses | | Make-Up Courses | | Make-Up Courses | |
| 1 | | 1 | | 1 | | 1 | |
| 2 | | 2 | | 2 | | 2 | |

1. Cooperative Education Seminar/Work-Based Experience will be required for any students with disabilities earning core credits through Essentials/Life Skills courses (formerly known as AOD Courses).
2. Honors classes are approved equivalents of standard level courses if available on your campus.
3. When completing the four-year plan, consideration should be given to the student's future goals and the specific requirements for universities, the military, NCAA, etc. (For example, though foreign language is not required for the Alabama High School Diploma, some higher education programs may require these courses for admission to their specific programs. Also, some colleges have specific admission requirements related to core subjects and may not accept substitute courses approved by the Alabama State Department of Education.) Students and parents must check the requirements of any programs they plan to pursue in the future.

AWARDING THE SEAL OF BILITERACY

Purpose

The Seal of Biliteracy for Baldwin County Schools is an award made to recognize a student who has attained proficiency in English and one of more other world languages by high school graduation. The recognition of attaining biliteracy becomes part of the high school transcript and diploma for these students. Biliteracy refers to having a functional level of proficiency in each language in the areas of listening, speaking, reading and writing.

Rationale

The Seal serves to certify attainment of biliteracy for students, employers, and universities. It is a statement of accomplishment that helps to signal evidence of a student's readiness for career and college, and for engagement as a global citizen.

Qualifying for the Seal of Biliteracy

All high school students enrolled in Baldwin County Public Schools are eligible to attain the Seal of Biliteracy based on evidence of achieving the designated level of language proficiency in English plus one of more other languages during their high school years. Students must demonstrate the state-determined level of proficiency in English, as well as one or more additional languages (native language, heritage language, or a language learned in school or another setting).

Please see your school counselor for details about criteria and to get more information about this opportunity.

COLLEGE AND CAREER READINESS (CCR)

On November 10, 2022, the Alabama State Board of Education amended the Alabama Administrative Code, Rule No. 290-3-1.02, which added a College and Career Readiness (CCR) Indicator to the Alabama High School Graduation Requirements. Effective for students of the graduating Class of 2026 who will enter Grade 8 for the first time in the 2021-2022 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 or career readiness indicators:

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

COLLEGE PREPARATORY DISTINCTION

See page 4 for complete requirements

REQUIRED CIVICS EXAM

Effective with the 2018-2019 school year, Alabama ACT 2017-173 requires all high school seniors in Alabama to successfully complete a civics test based on the US Citizenship and Immigration Services exam in order to graduate with an Alabama High School Diploma. The purpose of the required civics test is to ensure that all Alabama students have basic knowledge of United States history, government, and geography as well as related civic rights and responsibilities. The test has 100 multiple-choice questions and will most likely be administered during the student's required government or senior history class. Students must earn a minimum grade of 60 percent on the test to pass it. Students who do not successfully complete the exam on the first attempt must take it again during their government or senior history class. Teachers will work with students throughout the course to prepare for this test, and study materials are available. For questions about this graduation requirement, contact the Secondary Curriculum Coordinator at the Central Office.

REQUIRED PERSONAL FINANCIAL LITERACY EXAM

During the 2023 Legislative Session, the Alabama Legislature passed [Act #2023-179](#), mandating that Alabama students entering Grade 9 in the 2024-2025 academic year complete a course in personal financial literacy and earn a passing score on a personal financial literacy assessment prior to graduation. Content standards found in Career Preparedness and Career Preparedness B have been reviewed by the Alabama Department of Education and approved to fulfill the instructional requirements specified in [Act #2023-179](#).

The Financial Literacy Exam, which is developed by the Alabama State Department of Education, will be administered to all students at the completion of one of the previously listed approved courses. For questions about this graduation requirement, contact the Career Technical Education Coordinator at the Central Office.

ALABAMA HIGH SCHOOL DIPLOMA

Career and Technical Education Equivalent, Substitute, and Duplicate Courses

Science

Upon completion of the Biology and “a physical science” (to include Chemistry, Physics, or Physical Science), students have the option of choosing specific courses from Career and Technical Education to satisfy the remaining two science credits. The following Career and Technical Education courses satisfy the third and fourth science elective credits as indicated in the Alabama High School Graduation Requirements.

| | |
|------------|---|
| 15055G1000 | Forensic and Criminal Investigations |
| 18306G1002 | Aquaculture Science |
| 21018G1000 | PLTW Principles of Engineering (Foley High) |

Additionally, the Career and Technical Education courses below contain similar content as courses in the 2015 Alabama Course of Study: Science. A student may not receive science credit for a Career and Technical Education course that duplicates credit already awarded in a science course.

| | | | |
|------------|-----------------------------------|--|------------|
| 19254G1001 | Chemistry of Food | Duplicates Chemistry credit | 03101H1000 |
| 18504G1000 | Environmental Management | Duplicates Environmental Science credit | 03003G1000 |
| 14299G1001 | Human Body Structures & Functions | Duplicates Human Anatomy & Physiology credit | 03053H1000 |

Note: Chemistry of Food does not count as a “physical science” option as indicated in the Alabama High School Graduation Requirements.

Math

The Career and Technical Education courses listed below have been approved by the Alabama State Department of Education in the area of math as additional courses that meet requirements for graduation. Upon completion of the required math classes, students may choose the following courses to potentially serve as their fourth credit in math:

| | |
|------------|--|
| 21002G1000 | Applications of Engineering and Technology |
| 21014G1000 | Environmental Engineering |
| 10157E1000 | AP Computer Science A* |
| 10019E1000 | AP Computer Science Principles* |
| 10012G1001 | Exploring Computer Science* |
| 10011G1000 | Introduction to Digital Literacy & Computer Science* |
| 10152G1001 | Programing Foundations* |

*The computer science courses listed above may be used to fulfill a student’s fourth credit in mathematics or the third and/or fourth credit in science; however, one computer science course may not be used to satisfy both science and mathematics credits.

Health

The Career and Technical Education courses listed below have been approved by the Alabama State Department of Education in the area of health as additional courses that meet requirements for graduation. Students may choose the following courses to satisfy the required health credit.

| | |
|------------|-------------------------------|
| 14002G1001 | Foundations of Health Science |
| 19259G0500 | Family Wellness |

Beginning Kinesiology

ROTC Courses are designed for students to take two courses each year for all four years of high school. A one-credit ROTC course may be allowed to substitute for Physical Education (Beginning Kinesiology) credit.

Career Preparedness

The following courses will fulfill the Career Preparedness requirement:

AFJROTC Course 09153G0500 Leadership II .5 Credit may substitute for Career Preparedness A (.5 credit)
 AFJROTC Course 09002G0509 Cadet Guide Handbook .5 credit may substitute for Career Preparedness B (.5 credit)
 AFJROTC Course 09153G1000 Exploration of Space 1 credit may substitute for Career Preparedness (1 credit)
 NJROTC Course 09990G0502 Success for Life .5 credit may substitute for Career Preparedness A (.5 credit)
 NJROTC Course 09004G0500 Leadership Application .5 credit may substitute for Career Preparedness B (.5 credit)

ALABAMA HIGH SCHOOL DIPLOMA
Substitute Courses For Students With Disabilities

| AREAS OF STUDY | REQUIREMENTS | CREDITS |
|---|---|-----------|
| English Language Arts | English 9, 10, 11, and 12 or any AP/IB/postsecondary equivalent courses. <u>or</u> *English Essentials 9, 10, 11, 12. <u>or</u> **AAS English 9, 10, 11, and 12. | 4 |
| Mathematics | Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics or CTE/IB/postsecondary equivalent courses. Additional course(s) to complete the four credits in mathematics must be chosen from the <i>Alabama Course of Study Mathematics</i> or CTE/AP/IB/postsecondary equivalent courses <u>or</u> **AAS Mathematics 9, 10, 11, and 12. | 4 |
| Science | Biology and a physical science. The third and fourth science credits may be used to meet both the science and CTE requirement and must be chosen from the <i>Alabama Course of Study: Science</i> or CTE/AP/IB/postsecondary equivalent courses. <u>or</u> *Life Skills Science I, II, III, and IV. <u>or</u> **AAS Science 9, 10, 11, and 12 | 4 |
| Social Studies | World History, U.S. History x 2, and Government/Economics or AP/IB/postsecondary equivalent courses. <u>or</u> *World History for Living, U.S. History for Living 10, U.S. History for Living 11, and Economics for Living/U.S. Government for Living . <u>or</u> **AAS Social Studies 9, 10, 11, and 12. | 4 |
| Physical Education | Beginning Kinesiology One JROTC credit may be used to meet this requirement. *Adapted Physical Education services are available where applicable | 1 |
| Health Education | <i>Alabama Course of Study: Health Education</i> . <u>or</u> **AAS Pre-Vocational, AAS Vocational, AAS Community Based Instruction, and/or AAS Elective Course. | 0.5 |
| Career Preparedness | Career Preparedness Course (Career and Academic Planning, Computer Applications, Financial Literacy) <u>or</u> **AAS Life Skills | 1 |
| CTE and/or Foreign Language and/or Arts Education | Students choosing CTE, Arts Education, and/or Foreign Language are encouraged to complete two courses in sequence. <u>or</u> *two CTE courses and Workforce Essentials (<u>or</u> Transition Services II in school systems that do not offer Workforce Essentials). <u>or</u> **AAS Life Skills. | 3 |
| Electives | *Students earning core credit through the Essentials/Life Skills courses are required to take Cooperative Education Seminar/Work-Based Experience (or LS Occupational Preparation in school systems that do not have a Cooperative Education Program). **AAS Pre-Vocational, AAS Vocational, AAS Community Based Instruction, and/or AAS Elective Course. | 2.5 |
| Total Credits Required for Graduation | | 24 |

* Course sequence for students with disabilities earning core credit through the Essentials/Life Skills courses. Students pursuing an Alabama High School Diploma through this pathway must participate in Community-Based Work Training or have documentation of previous work experience in addition to the course requirements described above.

** Course sequence for students with significant cognitive disabilities earning core credit through Alternate Achievement Standards (AAS) courses.

ALABAMA DEFINITION OF A CREDIT

All Alabama public schools are governed by the Alabama Administrative Code 290-3-1-.02(9)(a) which states the following:

Alabama Admin Code Update: Supp. 12/31/18

(9) Time Allotment and Credit Requirements for Secondary Schools.

(a) One credit may be granted in Grades 9-12 for required elective courses consisting of a minimum of 140 instructional hours or in which students demonstrate mastery of Alabama course of study content standards in one credit courses without specified instructional time.

GRADING SCALE

The grading scale for Baldwin County Public Schools is defined as follows:

| | |
|----|------------------|
| A: | 90-100 |
| B: | 80-89 |
| C: | 70-79 |
| D: | 60-69 |
| F: | 0-59 (no credit) |

Unweighted GPA Point Scale

| Grade..... | Quality Point Value |
|------------|---------------------|
| A | 4.0 |
| B | 3.0 |
| C | 2.0 |
| D | 1.0 |
| F | 0.0 |

GRADE POINT AVERAGE (GPA)

A grade point average (GPA) is a scale assigning a numeric value to student grades.

The **unweighted GPA** is computed by dividing the total number of grade points received by the total number of credits of course work taken.

The **weighted GPA** is designed to reflect the varying skill required for different level courses. The weighted GPA scale assigns higher quality points for grades earned in difficult courses (numerical grades remain unaffected). The weighted GPA is printed on the student transcript for the purposes of college admission and scholarship applications only.

Weighted GPA Point Scale adds either 0.5 or 1.0 to the quality point value for the grade earned in that course according to the following tables:

ACADEMIC HONORS AND CLASS RANK

Eligibility for academic honors will be determined by calculating the cumulative weighted average of all final course grades posted on the high school transcript. Students who earn a D or F in any high school course will not be eligible to receive academic honors.

The academic honors designations shall be awarded as follows:

- Summa Cum Laude (with highest honors) 4.00 and higher
- Magna Cum Laude (with high honors) 3.75-3.9999
- Cum Laude (with honors) 3.50-3.7499

A student's final cumulative weighted grade point average calculated to at least the fourth decimal place, including grades earned for repeated courses, will be used to determine class rank.

COURSE WEIGHTS

All world language, AP, IB courses and Baldwin County-approved honors and academic dual enrollment courses receive weights according to BCBE policy.

Baldwin County Course Weights

| Course Type | Add | Notes |
|-------------------------------------|------------|---|
| ACCESS Courses (<i>approved</i>) | 0.5 | Only ACCESS courses that are listed in the Baldwin County Honors course chart, an AP course, or a World Language course may receive a weight. |
| AP Courses | 0.5 or 1.0 | Add 0.5 if the student doesn't take the AP Exam Add 1.0 if the student does take the AP Exam |
| Dual Enrollment (<i>approved</i>) | 0.5 | Only approved academic Baldwin County courses; academic dual enrollment only |
| Honors Courses | 0.5 | Courses listed in the Baldwin County Honors course chart |
| IB Courses | 1.0 | SL or HL courses; Theory of Knowledge |
| World Languages | 0.5 | As defined by ALSDE |

Honors Course Weights

| Course Title | Course # | Add | Course Title | Course # | Add |
|------------------------------|------------|-----|---------------------------------|-------------|-----|
| Algebra I with Prob. Hon | 02052H1000 | 0.5 | English 12 Hon | 01004H1000 | 0.5 |
| Algebra II with Stat Hon | 02056H1000 | 0.5 | Geometry with Data Analysis Hon | 02073H1000 | 0.5 |
| Biology Hon/PIB | 03051H1000 | 0.5 | Human Ant & Phy Hon | 03053H10000 | 0.5 |
| Chemistry I, Hon | 0310H1000 | 0.5 | Marine Science Honors | 03005G10HC | 0.5 |
| Economics Hon | 04201H0500 | 0.5 | Physics Hon | 03151H1000 | 0.5 |
| Economics, Hon(Econ/CPrep B) | 04201H05CB | 0.5 | Precalculus | 02110G1000 | 0.5 |
| English 9 Hon | 01001H1000 | 0.5 | US Hist I Hon | 04102H1000 | 0.5 |
| English 10 Hon | 01002H1000 | 0.5 | US Hist II Hon | 04103H1000 | 0.5 |
| English 11 Hon | 01003H1000 | 0.5 | World Hist Hon | 04053H1000 | 0.5 |

TRANSFER OF CREDIT

Any student transferring to a Baldwin County public school from a public or non-public school accredited by an accrediting agency recognized by the State Board of Education will have all credits and current class/grade placement accepted without validation upon the receipt of an official transcript(s). A student may be promoted to the next grade level according to the number of credits earned at the end of the admission term.

Any school/school setting not accredited by an accrediting agency recognized by the State Board of Education shall be considered a non-accredited school for the purpose of transfer of class/grade credit. Core courses shall be defined as English, mathematics, social science, and science.

The procedures below must be followed before credits can be awarded and class/grade placement determined for students transferring from non-accredited schools.

1. An official or a notarized transcript of coursework attempted must be presented the principal or his/her designee.
2. Credit for elective courses shall be transferred without validation.
3. No credit will be given for electives that are not normally accepted. The school may acknowledge on records that the student took these courses, but the courses will not count toward graduation.
4. Non-contested credit for core courses shall be transferred as follows:
 - A. Using all official records and nationally standardized tests, the principal or his/her designee shall determine placement and notify the student and the parent(s)/guardian(s).
 - B. If the parent(s)/guardian(s) agrees with the placement decision, the student shall be placed.
 - C. Following placement, for any initial core course successfully completed, transfer of previous credit earned at a non-accredited school(s) in that subject area shall be accepted without further validation. If a student is unsuccessful in the initial placement core course, it should be understood that no credit will be awarded in that subject until the student passes the initial placement core course. The student will have to repeat and pass the initial placement core course.
5. Contested credit for core courses shall be transferred as follows:

Validation of academic performance shall be accomplished on a course-by-course basis in grades 7-12. Such validation shall be accomplished by administering the district's validation test for each applicable course in which the person is seeking grade placement/course credit. The validation test shall be administered at the school in which the person is seeking to enroll/receive credit. A grade of 60 or better on each examination for each course shall be required for validation. For example, a person who seeks credit for Biology must pass the validation test with a grade of 60 or better.

In the case of English courses, a student who successfully completes the validation test for a higher English course will receive credit for preceding English courses. (Example: A student presents a transcript that shows completion of English 9, English 10, and English 11. If the student successfully completes the English 11 validation test with a score of 60 or better, then credit will be awarded for all three English courses.)

In the case of a student who presents a transcript that shows completion of Algebra I with Probability and Algebra II with Statistics: The student will take the Algebra II with Statistics validation test. If the student successfully completes that test with a grade of 60 or better, credit will be awarded for Algebra I with Probability and Algebra II with Statistics.

For any test failed, placement shall be made as recommended by school officials, and no credit shall be transferred for the pre-requisite course(s) in that subject.

In the event of the existence of controversial records/transcripts or the absence of any official or notarized records, the student shall take validation tests for core courses. Placement decisions will be based on successful completion of these exams.

All transfer students must meet all local and state Board of Education requirements for graduation before being awarded a high school diploma.

6. Students who are transferring from a non-accredited school/school setting and who have been residents in Baldwin County must attend Baldwin County Public Schools for two (2) entire high school years immediately preceding the date of graduation. Under extreme circumstances as documented in writing by the guardian/custodian, the Superintendent may, in his or her sole discretion, authorize exceptions to the foregoing requirement. It is the intent of this policy that exceptions are to be sparingly granted.

Middle School Credits: The high schools in the Baldwin County Public School System accept credits earned in Algebra I, Career Prep A, and World Language from any accredited public or private middle school.

The following charts show a step-by-step procedure for determining placement for transfer students to Baldwin County Public Schools.

Transfer Procedure Formula

| FROM ACCREDITED SCHOOLS | FROM NON-ACCREDITED SCHOOLS | |
|-------------------------|---|---|
| Official Transcript | Official/Notarized Transcript/No Transcript | |
| Credits Accepted | Principal/Designee Determines Placement | |
| Current Grade Placement | Notifies Parent | |
| | ACCEPTS DECISION | CONTESTS DECISION |
| | Credit for elective courses shall be transferred without validation. No credit will be given for electives not normally accepted. | Administer school's validation test for each core course. A grade of 60 or better on each exam is required for the student to earn credit. |
| | | In the case of English courses, students who successfully complete the validation test for a higher English course will receive credit for preceding English courses. In the case of students who present a transcript with Algebra I with Probability and Algebra II with Statistics, students who successfully complete the validation test in Algebra II with Statistics will receive credit for both Algebra courses. |

| | | |
|--|--|---|
| | | Student fails test, placed in course recommended by principal/designee. |
|--|--|---|

The following will apply to transferring student's transcripts (completed work) arriving from a school or setting accredited by a recognized accrediting agency:

- Course names that are deemed matches will convert to the Baldwin County course naming convention.
- Course GPA weights (added value points) will be assigned according to the Baldwin County Public Schools' weighting system, superseding the system used by the previous school(s).

ATHLETIC/EXTRACURRICULAR ACTIVITY – ACADEMICS FIRST

Board Policy No. 787

The Baldwin County Board of Education recognizes the value of all extracurricular activities as they relate to the total education of students. The Baldwin County Board of Education also recognizes and supports high academic standards and the necessity of developing a framework to assess each student involved in extracurricular activities and his/her progress toward graduating from high school on schedule with his/her class. The Board of Education also recognizes that the Class of 2000 and subsequent classes will be required by the State Board of Education resolution and Alabama Administrative Code to earn a minimum of 24 credits in Grades 9-12, with four (4) credits each in science, mathematics, social studies, and English.

The National Collegiate Athletic Association (NCAA) has established a central clearinghouse to certify athletic eligibility. Student athletes must comply with NCAA bylaws in order to compete in intercollegiate athletics. Interested students and their parents may go to the website listed below for more information about these guidelines.

As of August 9, 2010, the NCAA does not permit credit recovery courses to count toward athletic eligibility. Also, many online and computer-based courses do not count toward athletic eligibility.

Note: Always check the NCAA website for the latest in athletic eligibility requirements:

http://www.ncaa.org/wps/portal/ncaahome?WCM_GLOBAL_CONTEXT=/ncaa/NCAA/Legislation+and+Governance/Eligibility+and+Recruiting/Eligibility/eligibility.html

ACADEMIC PROGRAMS AND PROCEDURES

ACCESS DISTANCE LEARNING

ACCESS (Alabama Connecting Classrooms, Educators, and Students Statewide) is a credit-earning opportunity available where students experience high quality instruction provided through computer-based and/or interactive video conferencing instruction. In addition to state procedures and guidelines, Baldwin County requires the following:

Baldwin County Board of Education Guidelines

1. Students may take ACCESS courses not offered at their high schools.
2. ACCESS courses should be taken only when the curricular offerings deny a student a course he/she particularly needs.
3. Students may take world language courses through ACCESS.
4. Students may take core courses through ACCESS to make-up a previously failed course taken at the local high school.
5. Please see the ACCESS website for available courses.

More information regarding ACCESS can be found online at <http://accessdl.state.al.us>.

ADVANCED PLACEMENT (AP®) COURSES

The high schools in Baldwin County offer a wide range of Advanced Placement (AP) courses to meet the exceptional talents and needs of students. AP courses are nationally recognized by colleges and universities and sponsored by the College Board. Students may choose to take any AP course for which they meet the prerequisite, no matter what diploma option they are seeking. AP courses enable students to complete college level studies while still in high school and obtain college placement or credit on the basis of their performance on rigorous AP examinations. Students who take AP courses are expected to take the corresponding AP exams in May of each year. The cost for *each exam* is \$98 (subject to change by College Board).

A strong Advanced Placement (AP) course depends upon a partnership between motivated students and dedicated high school teachers who are trained by the College Board. Students and parents should be very sensitive to the demanding nature of AP courses. Outside reading expectations for the classes are extensive. Students will be involved in college level activities, particularly in the areas of writing skills and test taking. AP courses place a high degree of emphasis on the student's self-motivation, study skills, and the ability to self-direct his/her own learning. If students have questions as to their potential in a particular AP course, they should check with their counselor or the teacher of the AP course. More information about the AP courses is provided in the course descriptions of this guide.

Application for ½ Credit

Most core courses offered in Baldwin County are offered in a full credit format. At midterm, the student's final grade for the first half of the course is posted to the transcript, but credit is withheld in entirety until the midterm grade is averaged with the final grade from the second half of the course. At that point, the full credit is awarded, and the final grade earned for the entire course is posted to the transcript. An analysis of data indicates that for the majority of Baldwin County students, the full credit format provides them with an increased opportunity for earning credit as well as the potential for earning a higher final course grade due to the averaging of the two semester grades. These benefits can impact a student's overall GPA and likelihood of graduating on time. However, we recognize that there are some circumstances (i.e., transferring to another school, applying for a special program, etc.) in which a student might benefit from earning two half credits of a course rather than a full credit. Therefore, the Baldwin County Public School System permits students to request the opportunity to earn half credits by completing the Application for ½ Credit. Copies of the application are available at each high school and also on our website, www.bcbe.org. Applications for ½ credit must be received by the principal or his or her designee by the time school is dismissed on the last day of the term/course for which the initial ½ credit is requested. Students should be aware that if their application for ½ credit is approved, then the ½ credit(s) requested will be posted to their transcript and will be calculated into their GPA. This could result in a positive or negative impact on their GPA, which could affect scholarship opportunities, college admission, athletic eligibility, etc. Once a ½ credit is posted to a student's transcript, then the student could be required to pass an additional ½ credit of the same course to satisfy diploma expectations. Also, once ½ credits are posted to a student's transcript, they cannot be removed or "exchanged" for full credits.

BALDWIN COUNTY VIRTUAL SCHOOL

Established 2013

Vision: To provide motivated, independent learners the opportunity to earn their Alabama High School Diploma through flexible, personalized learning experiences available online - anytime, anywhere.

For more information visit the website www.bcbe.org

WORK-BASED LEARNING-COOPERATIVE EDUCATION (CO-OP)

SDE # 22998-G1014

The Work-based Learning (Co-Op) course is offered to 11th and 12th grade students. This course allows students to undertake paid or unpaid work experiences in local businesses. Student participation in this class will be monitored by the assigned Co-Op teacher. Students must satisfactorily complete all course requirements and turn in all required documents required by the program. Students will be awarded high school credit when successfully completing the course. To enroll in Co-Op, students must meet the following requirements:

- (a) be on track for graduation
- (b) have confirmed employment at a local business (students *may not* work for parents)
- (c) work at least 4-5 hours per week for each class of Community and Workforce Development. The total number of hours will be determined by the Co-Op teacher.
- (d) be satisfactorily evaluated each quarter by the employer and Co-Op teacher.
- (e) submit a completed and signed *Transportation Agreement Form*
- (f) submit a completed and signed *Work-based Learning Approval Form*

Work-based Learning (Co-Op) participants enrolled in high school on a 7-period day and who are enrolled in two units of the class may leave after their 5th period class.

Work-based Learning (Co-Op) participants enrolled in a high school on a 7-period day and who are enrolled in three units of the class may leave after their 4th period class.

CORRESPONDENCE COURSES

Credit for correspondence courses may be allowed only on the following conditions:

1. Written approval must be given by both the principal and superintendent's designee before the correspondence work is begun.
2. Credits may be earned through correspondence from institutions recognized by the State Department of Education and from institutions accredited by the national accrediting agency recognized by the US Department of Education.
3. Only one credit may be earned during the regular school year by a student, and this credit shall be included in calculating the program of study.
4. Correspondence work should be taken only when the curricular offerings deny a student a course he particularly needs. Interested students should see their counselor for details.

CREDIT RECOVERY

In May 2008, the Alabama State Department of Education adopted the *First Choice Initiative*. One of the goals of this initiative is to enhance opportunities for high school students to graduate in a timely manner. *First Choice* allows local school boards to adopt policies and procedures that allow students who have failed core courses (courses required for graduation) an opportunity to make-up only the standards and objectives the student did not master. This approach, known as *Credit Recovery*, allows students to makeup non-mastered standards without repeating the entire course. Baldwin County Public School students may participate in credit recovery by adhering to the guidelines outlined below.

The NCAA does not permit credit recovery courses to count toward athletic eligibility.

Any student failing one or more core courses in grades 9-12 may apply for admission to the Credit Recovery program. Credit Recovery coursework and assessments are provided through a computer-based delivery system. Students who apply for admission and who are accepted into the Credit Recovery program must adhere to a contract that is collaboratively reviewed and signed by the student, parent/guardian, counselor, and principal. The contract outlines the guidelines for participation in the Credit Recovery program.

Student Eligibility, Admission, and Removal

- Students who earned a final grade between 40% - 59% in a core course are eligible for Credit Recovery.
- Students must complete the Credit Recovery Contract form. Parent/guardian and student signatures on the form signify agreement with the terms of the Credit Recovery program. Additionally, the parent/guardian and student must participate in an interview with the counselor in order to review program goals and requirements.
- Credit Recovery is not tied to regular seat hours, with the exception of students with excessive absences.
- Excessive absences (as defined by the Baldwin County Board of Education Attendance Policy), disruptive behaviors that interfere with the learning of others, and/or abuse of technology privileges as outlined in the district *Acceptable Use and Internet Safety Policy* will result in student removal from the Credit Recovery program.
- Students who are caught cheating will have disciplinary actions in accordance with the BCBE discipline policy.
- Students will not be dismissed from the Credit Recovery program until the appropriate number of lessons and mastery tests have been completed at the required accuracy.

Credit Recovery Curriculum

The Credit Recovery program curriculum will be delivered through a district approved computer-based instructional program. Students who demonstrate proficiency of standards after working through the instructional program will earn a Carnegie Unit and be released from the Credit Recovery program, regardless of the number of seat hours completed.

The following guidelines govern student participation in Credit Recovery: Regular core courses will be offered through Credit Recovery. No Honors, AP, or IB courses will be included.

The list of available courses may be found at <http://accessdl.state.al.us>

Awarding of Grades and Credits through Credit Recovery

| If the Student... | Then the Grade Earned is no higher than |
|--|---|
| Completes <u>all lessons</u> at 70% accuracy and a minimum of 70% accuracy on <u>all tests</u> . | C (70) |
| Does not complete plan requirements or earn scores required to receive a letter grade, or is removed from the program for contract violations. | N (no grade) |

- Students are required to complete all assigned computer-based instructional modules.
- Students are required to complete all assigned mastery tests.
- Recovered credit will be awarded when students have completed all work and time requirements set forth by the Credit Recovery Procedures.

- Recovered credit will be entered on the transcript as repeat attempts and will not replace the previously earned grade. Both grades will be included in the student's cumulative grade point average.
- The Credit Recovery grade is based on the combination of grades from mastery tests and any other required assignments.

DUAL ENROLLMENT

The Alabama State Board of Education has authorized the establishment of dual enrollment programs between public colleges and universities and local boards of education. **Coastal Alabama Community College (CACC), University of South Alabama (USA), University of Alabama (UA) and Alabama Aviation College** participate with the Baldwin County School System to allow students to enroll in certain college level courses at the postsecondary institution and earn credits for high school diploma and a postsecondary degree/certification at the same time.

Dual enrollment is **not** an early graduation program. Interested students must see their high school counselor before enrolling in a course for dual enrollment credit. Students must also meet prerequisites that both Baldwin County School System and the applicable college require (including an unweighted GPA and acceptable attendance), officially enroll in the college, and pay for books and required tuition for course(s) at the beginning of the semester.

Students should contact their school counselor for the district approval dual enrollment course list. It is the parent and student's responsibility to inquire about courses not on the district approved list prior to enrollment. District permission is required for courses not on the approved course list. Requests must be submitted through the school by email to the secondary curriculum department for approval using the Dual Enrollment Course Request Form. Summer courses are not eligible for academic dual enrollment.

Information regarding Career and Technical Education Dual Enrollment Programs can be found on pages 117-130

HIGH SCHOOL EARLY EXIT

*The student may elect to exit high school early if the following criteria are met:

1. The High School Early Exit application form must be completed and on file at the school. The student must complete Section I of the form by the end of the semester prior to graduation and return it to their counselor. Application forms are available from high school counselors or online at www.bcbe.org.
2. The student must meet all graduation requirements, including meeting a College and Career Ready indicator.
3. The student must have completed all coursework through one or a combination of the following methods:
 - a. Dual enrollment with Coastal Alabama Community College, or any other institution with whom the Board of Education has a dual enrollment agreement.
 - b. Courses on the high school campus during the regular school day.
4. The student must provide to the counselor one of the following documents before exiting high school:
 - a. Letter of acceptance to a postsecondary institution,
 - b. Letter of acceptance to the military, or
 - c. Letter from employer verifying employment in the workplace.

The following guidelines should be considered as students and parents consider the High School Early Exit opportunity.

1. Following the completion of Section IV of the High School Early Exit application form, the student will be considered an alumnus, and therefore, will not be permitted to participate in any extracurricular activities, with the following exceptions: prom, senior honors program, and graduation ceremonies. Early Exit students who change their mind about exiting early after the first 10 days of the school year, will have to petition a school-based committee for approval to remain through May. Early Exit students may not re-enroll in high school.
2. Students who exit early will not be eligible for the distinction endorsement diplomas. In addition, no high school master schedules will be adjusted to accommodate a student who wishes to exit early. **Therefore, an Alabama High School Diploma may be the only option for early exit students.**

*Every child between the ages of seven (7) and seventeen (17) years shall be required to enroll in school and to attend for the entire length of each scholastic year.

INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME

Daphne High School and Fairhope High School house the International Baccalaureate (IB) Programme for Baldwin County Public Schools. The IB Programme is a rigorous 11th and 12th grade series of coursework designed to meet the needs of highly motivated secondary students and to promote international understanding. The International Baccalaureate organization in Geneva, Switzerland directs an international curriculum that is recognized by educators, colleges, and employers around the world as a standard of excellence. The student who completes the IB Programme demonstrates a strong commitment to learning, both in the mastery of subject content and the development of skills and discipline necessary for success in a competitive world.

IB classes at Daphne High and Fairhope High began in the Fall of 2008. Students from any Baldwin County public high school are eligible to apply for this program. Informational meetings are scheduled throughout the county for parents and students seeking more in-depth information. It is suggested that underclassmen anticipating applying for the IB Programme take the most advanced level courses available at their schools. For more information, contact the IB Coordinators at Daphne High and Fairhope High.

DUAL ENROLLMENT EARLY RELEASE PROGRAM

SDE# 22996X10SR

The Baldwin County Board of Education is committed to enhancing educational opportunities for high school students through collaborative efforts with dual enrollment partners. Our Dual Enrollment Early Release Program is a testament to this dedication, aiming to foster both academic excellence and workforce readiness among our students.

In order to participate in the Dual Enrollment Early Release Program, students must meet the following requirements:

- (a) be in the 11th or 12th grade
- (b) be on track for graduation
- (c) have a minimum GPA of 2.0
- (d) confirmed enrollment in a post-secondary institution that has a dual enrollment agreement in place with Baldwin County Public Schools
- (e) tuition must be paid to district-approved college and textbooks purchased (in applicable) by the first day of class
- (f) submit a completed and signed *Transportation Agreement Form*
- (g) submit a completed and signed *Dual Enrollment Early Release Approval Form*
- (h) attend orientation at approved college/university
- (i) be enrolled in face-to-face or live online course(s) outside regular school hours. Students taking asynchronous dual courses do not qualify.

Dual Enrollment Early Release participants who attend a high school on a 7-period day schedule may leave after 6th period if they are enrolled in:

- (a) one approved face-to-face/live online college course outside regular school hours

Dual Enrollment Early Release participants who attend a high school on a 7-period day schedule may leave after 5th period if they are enrolled in:

- (a) two approved face-to-face/live online college courses outside regular school hours or
- (b) one approved face-to-face/live online college course outside regular school hours -and- one *Community and Workforce Development (CWD)* course. The CWD course must be completed during the school day.

SUMMER SCHOOL

Students must seek advisement from their school counselor before planning to enroll in summer school. Specific procedures must be followed to receive credit for any course taken outside of the regular school day program. Students may attend summer school in several capacities: retake an entire course for credit, credit recovery (see CR section), credit advancement (if available), or in some circumstances for initial credit.

- Students who fail a course during the regular school year should attend summer school.
- Students must follow all board policies and procedures or risk dismissal from summer school with no refund of fees.
- There may be a fee required for summer school – information regarding fees will be addressed in the relevant enrollment forms.
- Students must earn a 60 or higher in the summer school course to receive credit. The summer school course, numerical grade, and credit earned will be recorded in the summer school section of the high school transcript only after any applicable fees are paid. This will be a stand-alone grade and will not be averaged with any other previously earned grades from the failed course. Failed courses remain on the students' transcript.
- Summer school courses are delivered through a computer-based platform.
- Parents are responsible for transportation to and from summer school.
- Daily attendance is required for all students. Students who do not meet attendance guidelines may be dismissed from summer school without refund.
- Awarding of grades for credit advancement is addressed in the credit advancement section of the academic guide.

CORE COURSES

ENGLISH

In Grades 9-12, a rigorous and successful high school English Language Arts program challenges students to integrate literacy skills in order to complete complex tasks and create sophisticated products. While life goals differ from one student to another, it remains incumbent upon high schools to provide instruction that enables all of them to develop the skills for meeting the demands of the twenty-first century. To that end, this course of study provides standards that address literacy as the integration of skills and allow the robust exchange and application of ideas.

Literacy involves the reception and expression of ideas in many contexts for many purposes. High school students are mature learners who can proficiently read and write individually and in group settings; they are mastering abstract thought, refining self-monitoring skills, and developing listening and speaking skills so they can receive and express ideas clearly, appropriately, and productively.

Engagement with digital resources and the creation of digital products are essential for high school students. Abstract thinking allows them to discern purpose and to draw conclusions about the value of the ideas expressed and the effectiveness of the media, rhetorical, and aesthetic techniques used. At this age, students are equipped to consider and generate opposing points of view, pose questions, and make decisions about the most effective ways to present ideas. They are capable of determining the quality and credibility of sources, synthesizing information, and giving appropriate credit. Accurately conveying the ideas of others in appropriate contexts and working with others to select and present information in the most effective way are the hallmarks of skilled communicators. While working with others, students learn to accept revision and augmentation of their ideas, respond constructively to the ideas of others, and accept that not all the ideas proposed will appear in a finished product. Students advocate for their own ideas while being receptive to those of others.

***Sequencing Requirement: English 10-12 have required prerequisites that must be completed prior to enrollment. Courses may not be taken concurrently. Deviation from this requirement must be approved by Secondary Curriculum.**

English Grade 9

In Grade 9, students understand the importance of aesthetic decisions by the author and note how choices of syntax and diction shape and clarify meaning. standards are organized under types of literacy (critical, digital, language, and research) to reflect the applications of literacy in a rapidly changing world. This format represents an effort to show that successful communication requires multifaceted receptive and expressive skills emphasize the literature of varied times and places. Both ninth grade standards emphasize 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. NOTE: THIS COURSE FULFILLS AN ENGLISH CREDIT REQUIRED FOR GRADUATION.

English 9

SDE# 01001G1000

1 term/1 credit
Grade 9

Students study all content standards in the current Alabama Ninth Grade English Language Arts Course of Study and read supplementary selections.

English 9 Honors

SDE# 01001H1000

1 term/1 credit
Grade 9

Students study all content standards in the current Alabama Ninth Grade English Language Arts Course of Study and read supplementary selections. This course requires more independent reading, additional writing, and provides less review than English 9.

English Grade 10

In Grade 10, 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. Tenth grade standards emphasize 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. NOTE: THIS COURSE FULFILLS AN ENGLISH CREDIT REQUIRED FOR GRADUATION.

English 10

SDE# 01002G1000

1 term/1 credit
Grade 10

Prerequisite: Any course meeting the English 9 diploma requirement. See sequencing requirement in introduction section.

Students study all the content standards in the current Alabama Tenth Grade English Course of Study and read supplementary selections.

English 10 Honors

SDE# 01002H1000

1 term/1 credit
Grade 10

Prerequisite: Any course meeting the English 9 diploma requirement. See sequencing requirement in introduction section.

Students study all the content standards in the current Alabama Tenth Grade English Course of Study and read supplementary selections. Students are expected to have achieved a mastery of mechanics that will facilitate more writing, editing, and revising.

AP Seminar/English, Grade 10

SDE# 01013E1001

Prerequisite: Any course meeting the English 9 diploma requirement

1 term/1 credit
Grade 10
Fee: \$20.00

Course description: An English course taught in the AP Seminar style, English 10: AP Seminar helps students build foundational writing, collaboration, research, and presentation skills for future success in high school, college, and career. Students enrolled in this course are encouraged to take the College Board Advanced Placement® Examination.

NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN ALSDE-APPROVED ACADEMIC WAIVER AND COLLEGEBOARD – APPROVED AP PROGRAM. A STUDENT MAY EARN A TOTAL OF ONE FULL CREDIT IN ENGLISH LANGUAGE ARTS FOR THIS COURSE.

English Grade 11

In Grade 11, students will explore the literature of America before, during, and after European arrival. A year of specific attention because of literature's deep ties to all aspects of culture, and its study encourages a cross-curricular understanding and appreciation of qualities that distinguish American literature specifically and American culture in general with a primary focus on American literature. Students learn and practice active listening, read a variety of workplace and literary texts, learn and practice essential digital skills, utilize a process to create and modify written work, implement conventions of language and usage, and utilize context to decipher word meanings all through reading, listening, writing, and speaking. NOTE: THIS COURSE FULFILLS AN ENGLISH CREDIT REQUIRED FOR GRADUATION.

English 11

SDE# 01003G1000

1 term/1 credit
Grade 11

Prerequisite: Any course meeting the English 10 diploma requirement. See sequencing requirement in introduction section.

Students study all the content standards in the current Alabama Eleventh Grade English Course of Study and read supplementary selections.

English 11 Honors

SDE# 01003H1000

1 term/1 credit
Grade 11

Prerequisite: Any course meeting the English 10 diploma requirement. See sequencing requirement introduction section.

Students study all the content standards in the current Alabama Eleventh Grade English Course of Study and read supplementary selections. Students are expected to demonstrate a mastery of grammar usage and mechanics and to continue developing their writing skills.

Advanced Placement (AP®) English Language and Composition

SDE# 01005E1000

1 term/1 credit
Grade 11
Fee: \$20.00

Prerequisite: Any course meeting the English 10 diploma requirement. See the sequencing requirement introduction section.

The AP English Language and Composition 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. NOTE: THIS COURSE FULFILLS AN ENGLISH CREDIT REQUIRED FOR GRADUATION.

Students enrolled in this course are encouraged to take the College Board Advanced Placement® Examination.

English Grade 12

NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language: This course is designed to provide identified students with additional instruction and support in areas of reading.

English 12

SDE# 01004G1000

1 term/1 credit
Grade 12

Prerequisite: Any course meeting the English 11 diploma requirement. See sequencing requirement introduction section.

Students study all the content standards in the current Alabama Twelfth Grade English Course of Study and read supplementary selections.

English 12 Honors

SDE# 01004H1000

1 term/1 credit
Grade 12

Prerequisite: Any course meeting the English 11 diploma requirement. See sequencing requirement introduction section.

Students study all content standards in the current Alabama Twelfth Grade English Language Arts Course of Study and read supplementary selections. Students are expected to demonstrate a mastery of grammar usage and mechanics and to continue developing their writing skills.

Advanced Placement (AP®) English Literature and Composition

SDE# 01006E1000

1 term/1 credit

Grade 12

Fee: \$20.00

Prerequisite: Any course meeting the English 11 diploma requirement. See sequencing requirement introduction section.

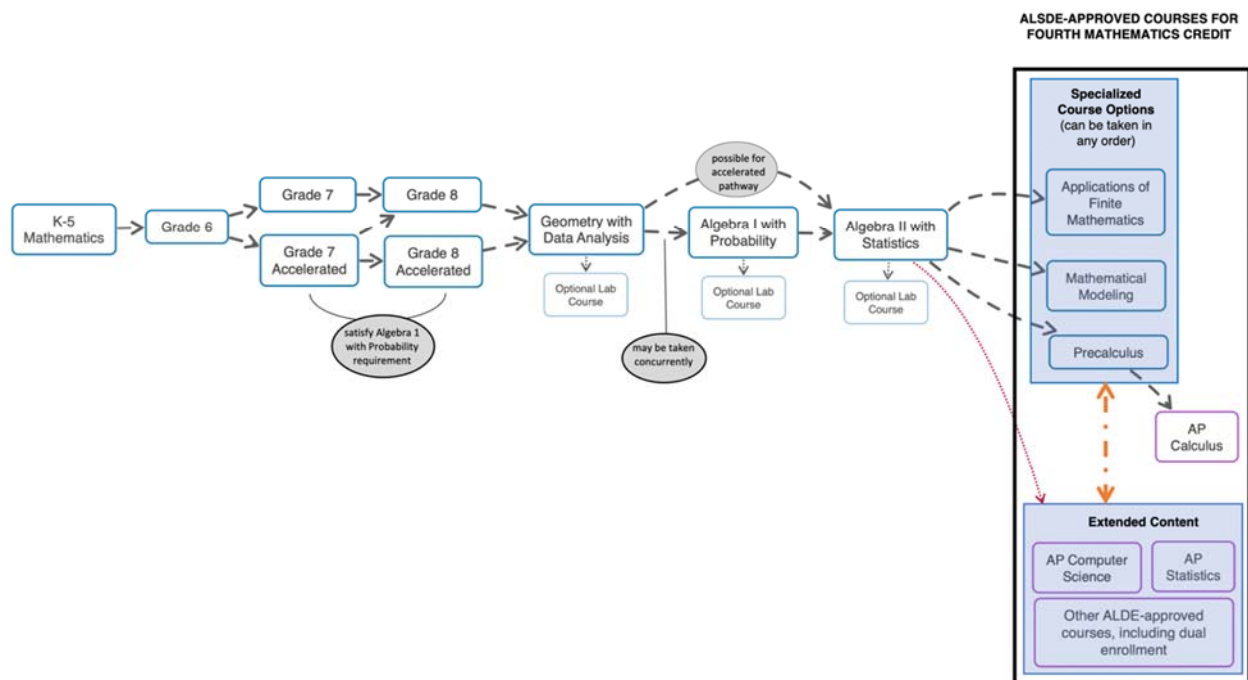
The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use 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. NOTE: THIS COURSE FULFILLS AN ENGLISH CREDIT REQUIRED FOR GRADUATION.

Students enrolled in this course are encouraged to take the College Board Advanced Placement® Examination.

MATHEMATICS

All Alabama students must earn four credits in mathematics, including Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics. Students are encouraged to go beyond basic requirements, enrolling in courses above the level of Algebra II with Statistics with the goal of reaching their maximum potential. Selection of courses should be given careful consideration. Since mathematics courses are sequentially structured, adherence to prerequisites is essential.

ALSDE Approved K-12 Pathways for Mathematics



When selecting classes, consideration should be given to the student's future goals and the specific requirements for universities, the military, NCAA, etc. (For example, though foreign language is not required for the Alabama High School Diploma, some higher education programs may require these courses for admission to their specific programs.) Students and parents must check the requirements of any programs they plan to pursue in the future.

Geometry with Data Analysis

SDE# 02073G1000

1 term/1 credit

Grades 9-12

Geometry with Data Analysis is the first of three required courses for all students in high school mathematics. Students will study all the content standards in the 2019 Alabama Course of Study for Geometry with Data Analysis. 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. An emphasis on reasoning and proof throughout the content area promotes exploration, conjecture testing, and informal and formal justification. Topics include radicals, transformations, congruence, similarity, surface area, volume, triangles, quadrilaterals, circles, Pythagorean Theorem, univariate quantitative data (shape, center, and variability), and bivariate quantitative data (creating linear models).

For students who opt to accelerate their mathematical pathways in the 9th grade, Geometry with Data Analysis may also be taken concurrently with Algebra I with Probability.

Honors Geometry with Data Analysis

SDE# 02073H1000

1 term/1 credit
Grades 9-12

Students will study all the content standards in the 2019 Alabama Course of Study for Geometry with Data Analysis with increased rigor and expansion of topic-depth for advanced math preparation.

Algebra I with Probability

SDE# 02052G1000

1 term/1 credit
Grades 9-12

Algebra I with Probability is the second of three required courses for all students in high school mathematics. Students will study all the content standards in the 2019 Alabama Course of Study for Algebra I with Probability. 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. Algebra I with Probability emphasizes functions including linear, absolute value, quadratic, exponential, and polynomial. Properties of algebra are applied to convert between forms of expressions and to solve equations (factoring, completing the square, rules of powers, and radicals). Additional topics include exponents, imaginary numbers, functions, systems of linear equations and inequalities, arithmetic and geometric sequences, categorical data, and conditional probability.

Students may enroll in this course after completing Geometry with Data Analysis in Grade 9. 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. Students who successfully complete Grade 7 Accelerated Math and Grade 8 Accelerated Math may choose to bypass Algebra I with Probability in order to enroll in additional advanced math courses. Students who choose to bypass Algebra I with Probability do not earn a math credit for Algebra I with Probability and are still required to earn at least four math credits.

Honors Algebra I with Probability

SDE# 02052H1000

1 term/1 credit
Grades 9-12

Students will study all the content standards in the 2019 Alabama Course of Study for Algebra I with Probability with increased rigor and expansion of topic-depth for advanced math preparation.

Algebra II with Statistics

SDE# 02056G1000

Prerequisite: Geometry with Data Analysis and Algebra I with Probability1 term/1 credit
Grades 10-12

Algebra II with Statistics is the third of three required courses for all students in high school mathematics. Students will study all the content standards in the 2019 Alabama Course of Study for Algebra II with Statistics. Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and 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. Algebra II with Statistics focuses on problem-solving skills that use a variety of methods to encourage the development of improved communication skills and foster a deeper understanding of the content area. In order to provide students with an appreciation of the power of algebra, applications involving real-life situations are incorporated throughout the course. Students explore and solve an expanded range of functions, including polynomial, trigonometric (specifically sine and cosine), logarithmic, reciprocal, radical, and general piecewise functions. Students learn how to make inferences about a population from a random sample drawn from the population and how to analyze cause-and-effect by conducting randomized experiments. Additional topics include complex numbers and matrices.

Honors Algebra II with Statistics

SDE# 02056H1000

Prerequisite: Geometry with Data Analysis and Algebra 1 with Probability1 term/1 credit
Grades 10-12

Students will study all the content standards in the 2019 Alabama Course of Study for Algebra II with Statistics with increased rigor and expansion of topic-depth for advanced math preparation.

Algebra with Finance

SDE# 02155G1000

Prerequisite: Algebra 1 with Probability

1 term/1 credit

Grades 10-12

Algebra with Finance is a college and career preparatory course that integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level. This course may be used as the fourth math credit, or an elective. Students cannot receive credit for both Algebra with Finance and Mathematical Modeling.

Note: *Although this course is approved by the Alabama State Department of Education, it does not meet the academic admissions requirements for all post-secondary institutions. Students and parents are advised to check the requirements of post-secondary institutions, NCAA, and employers before enrolling in this course.*

Precalculus

SDE# 02110G1000

Prerequisite: Algebra II with Statistics required

1 term/1 credit

Grades 11-12

Students will study all the content standards in the 2019 Alabama Course of Study for Precalculus. Precalculus is designed primarily for those students considering careers in mathematical or scientific fields of study. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations and application-based problems throughout the course. Content for this course includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions. Parametric equations, polar relations, vector operations, conic sections, and limits are also introduced. This course may be used as the fourth math credit.

Advanced Placement (AP®) Precalculus

SDE# 02110E1001

Prerequisite: Algebra II with Statistics required

1 term/1 credit

Grades 11-12

Fee: \$20.00

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. This course requires the use of a graphing calculator. This course is designed to prepare students for the College Board Advanced Placement® Precalculus exam and students are encouraged to take the exam.

Applications of Finite Mathematics

SDE# 02136G1000

Prerequisite: Algebra II with Statistics

1 term/ 1 credit

Grades 9-12

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

Mathematical Modeling

SDE# 02137G1000

Prerequisite: Algebra II with Statistics

1 term/ 1 credit

Grades 9-12

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

Advanced Placement (AP®) Calculus AB

SDE# 02124E1000

Prerequisite: Precalculus required

1 term/1 credit

Grades 11-12

Fee: \$20.00

AP Calculus AB is an introductory college-level calculus course and is recommended for students who plan to enter an engineering or mathematics program at the college or university level. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Topics include limits and continuity, derivatives and their applications, integration, applications of definite integrals, Fundamental Theorem of Calculus, and other topics. This course requires the use of a graphing calculator. This course is designed to prepare students for the College Board Advanced Placement® Calculus AB exam and students are encouraged to take the exam.

Advanced Placement (AP®) Calculus BC

SDE# 02125E1000

Prerequisite: Precalculus required

1 term/1 credit

Grades 11-12

Fee: \$20.00

College-level course approved by the College Board Advanced Placement (AP) Program for calculus; this course is an extension of AP Calculus AB (incorporating the topic of series) rather than an enhancement; common topics require a similar depth of understanding. This course requires the use of a graphing calculator. This course is designed to prepare students for the College Board Advanced Placement® Calculus BC exam and students are encouraged to take the exam.

Advanced Placement (AP®) Statistics

SDE# 02203E1000

Prerequisite: Algebra II with Statistics

1 term/1 credit

Grades 10-12

Fee: \$20.00

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. This course requires the use of a graphing calculator. The course is designed to prepare students with a wide range of math proficiencies to take the AP® Statistics Exam and students are encouraged to take the exam.

Advanced Placement (AP®) Computer Science Principles

SDE# 10019E1000

Prerequisite: Algebra I with Probability or successful completion of Grade 8 Accelerated Math

1 term/1 credit

Grades 10-12

Fee: \$20.00

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. This course is designed to prepare students for the College Board Advanced Placement® Computer Science Principles exam and students are encouraged to take the exam.

Note: *Although this course is approved by the Alabama State Department of Education, it does not meet the academic admissions requirements for all post-secondary institutions. Students and parents are advised to check the requirements of post-secondary institutions, NCAA, and employers before enrolling in this course.*

Advanced Placement (AP®) Computer Science A

SDE# 10157E1000

Prerequisite: Prerequisite: Algebra I with Probability or successful completion of Grade 8 Accelerated Math

1term/1 credit

Grades 10-12

Fee: \$20.00

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. This course is designed to prepare students for the College Board Advanced Placement® Computer Science A exam and students are encouraged to take the exam.

Note: *Although this course is approved by the Alabama State Department of Education, it does not meet the academic admissions requirements for all post-secondary institutions. Students and parents are advised to check the requirements of post-secondary institutions, NCAA, and employers before enrolling in this course.*

SCIENCE

The high school science curriculum offers courses for the development of critical thinking and problem-solving skills necessary for the high technological future that today's students will experience. **Emphasis is placed on the learning of science by involving students with "hands-on" and laboratory experiences.** Educational and occupational goals should be carefully considered by all students before selecting their science courses. Baldwin County Board of Education offers the following cores, Physical Science, Biology, Chemistry, and Physics. A variety of electives are offered. **The * electives may not be offered at every high school due to availability of human resources, facilities, and/or demand.**

Biology

SDE# 03051G1000

1 term/1 credit
Grade 9

NOTE: BIOLOGY COURSES 03051G1000 AND 03051H1000 ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT. MAY NOT BE DIVIDED INTO BIOLOGY 1 AND 2.

Inquiry-based course with engineering design integration; focused on patterns, processes, and interactions among living organisms including structures and processes, ecosystems, heredity, and unity and diversity.

Honors Biology/PIB

SDE# 03051H1000

1 term/1 credit
Grade 9
Fee \$15.00

NOTE: BIOLOGY COURSES 03051G1000 AND 03051H1000 ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT. MAY NOT BE DIVIDED INTO BIOLOGY 1 AND 2.

Advanced inquiry-based course with engineering design integration; focused on patterns, processes, and interactions among living organisms including structures and processes, ecosystems, heredity, and unity and diversity.

Chemistry

SDE# 03101H1000

Prerequisite: Any course meeting the Biology graduation requirement
Completed or concurrently taking Algebra II W/Stats

1 term/1 credit
Grades 10-12
Fee: \$15.00

NOTE: FULFILLS THE "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Advanced investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life.

Earth and Space Science

SDE# 03008G1000

Prerequisite: Any course meeting the Biology graduation requirement
Physical Science or Chemistry or Physics

1 term/1 credit
Grades 10-12

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

Environmental Science

SDE#03003G1000

Prerequisite: Any course meeting the Biology graduation requirement
Physical Science or Chemistry I are recommended

1 term/1 credit
Grades 10-12

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

Human Anatomy and Physiology

SDE# 03053H1000

Prerequisite: Honors Biology recommended

1 term/1 credit

Grades 9-12

Fee: \$15.00

NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". 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 organisms; how personal choices, environmental factors, and genetic factors affect the human body.

* Marine Science

SDE#03005G10GC

Prerequisite: Any course meeting the Biology graduation recommended

Physical Science is recommended

1 term/1 credit

Grades 10-12

Fee: \$15.00

NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". *SDE approval required to offer course.*

Comprehensive study of the Earth's ocean, including its physics, chemistry, geology, biology, and environmental issues; integration of scientific and engineering practices and crosscutting concepts into the disciplinary core ideas found in the seven Essential Principles of Ocean Sciences. **Students who earned a credit in Honors Marine Science may not take this course. *This course only counts as a science credit pending annual waiver from ALSDE.**

* Honors Marine Science

SDE# 03005G10HC

Prerequisite: Honors Biology is recommended

A physical science course is recommended

1 term/1 credit

Grades 10-12

Fee: \$15.00

NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". *SDE approval required to offer course.*

Advanced comprehensive study of the Earth's ocean, including its physics, chemistry, geology, biology, and environmental issues; integration of scientific and engineering practices and crosscutting concepts into the disciplinary core ideas found in the seven Essential Principles of Ocean Sciences.

Students who earned a credit in Marine Science may not take this course.

***This course only counts as a science credit pending annual waiver from ALSDE.**

Physical Science

SDE# 03159G1000

1 term/1 credit

Grades 10-12

NOTE: FULFILLS THE "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Conceptual inquiry-based course with engineering design integration providing investigation of the basic concepts of chemistry and physics including matter and its interactions, motion and stability, energy, and waves and information technologies.

Physics

SDE# 03151H1000

Prerequisites: Algebra II w/Stats

Honors Biology is recommended

1 term/1 credit

Grades 11-12

Fee: \$15.00

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

*Zoology

SDE# 03999G1000

Prerequisite: Biology & a course meeting the physical science requirement

1 term/1 credit

Grades 11-12

Fee: \$15.00

Zoology builds on biology with added emphasis on animal taxonomy, basic body plans, symmetry, and behavior. The emerging field of bioethics provides information on the proper care and ethical treatment of laboratory animals. Laboratory investigations, including dissection as well as computer simulations, provide students with adequate exposure to the comparative anatomy of representative animal species. ***This course only counts as a science credit pending annual waiver from ALSDE.**

Advanced Placement (AP®) Biology

SDE# 03056E1000

Prerequisite: Honors Biology and Chemistry I

1 term/1credit
Grades 11-12
Fee: \$20.00

NOTE: *BIOLOGY COURSES 03051G1000 AND 03051H1000 ARE ALL DEVELOPED FROM THE BIOLOGY CORE. THESE COURSES ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT. PREREQUISITE: IT IS RECOMMENDED THAT THE AP BIOLOGY COURSE IS DESIGNED TO BE TAKEN AFTER THE SUCCESSFUL COMPLETION OF A FIRST COURSE IN HIGH SCHOOL BIOLOGY AND ONE IN HIGH SCHOOL CHEMISTRY AS WELL.* 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.

Advanced Placement (AP®) Environmental Science

SDE# 03207E1000

Prerequisite: Honors Biology and Chemistry I

1 term/1credit
Grades 11-12
Fee: \$20.00

NOTE: *DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE".* College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for environmental science; scientific process and application skills; earth systems and resources; the living world; population; land and water; energy resources and consumption; pollution; global change.

Advanced Placement (AP®) Chemistry

SDE# 03106E1000

Prerequisite: Chemistry I
Algebra II w/Stats1 term/1credit
Grades 11-12
Fee: \$20.00

PREREQUISITE: *THE COLLEGE BOARD RECOMMENDS THAT THE AP CHEMISTRY COURSE IS DESIGNED TO BE TAKEN AFTER THE SUCCESSFUL COMPLETION OF A FIRST COURSE IN HIGH SCHOOL CHEMISTRY AND A SECOND-YEAR ALGEBRA COURSE.*

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for chemistry; atomic theory and structure; chemical bonding; nuclear chemistry; gases; liquids and solids; solutions; reaction types; stoichiometry; equilibrium; kinetics; thermodynamics.

Advanced Placement (AP®) Physics 1

SDE# 03165E1000

Prerequisite: Completed Geometry w/Data Analysis and
completed or concurrently taking Algebra II w/Stats1 term/1credit
Grades 11-12
Fee: \$20.00

College-level, algebra-based, introductory physics course following the curriculum established by the College Board Advanced Placement (AP) Program; provides a foundation for future course work in physics; explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; introductory, simple circuits; facilitates inquiry-based learning designed to develop scientific critical thinking and reasoning skills.

Advanced Placement (AP®) Physics 2

SDE# 03166E1000

Prerequisite: AP Physics 1 and completed or concurrently taking precalculus

1 term/1credit
Grades 11-12
Fee: \$20.00

College-level, algebra-based, introductory physics course following the curriculum established by the College Board Advanced Placement (AP) Program; provides a foundation for future course work in physics; explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; quantum, atomic and nuclear physics; facilitates inquiry-based learning designed to develop scientific critical thinking and reasoning skills.

Physics C: Mechanics, AP

SDE# 03164E1000

Prerequisite: has completed or concurrently taking calculus

0.5 term/0.5 credit

Grades 11-12

Fee: \$20.00

PREREQUISITE: *THE COLLEGE BOARD RECOMMENDS THAT THIS IS A ONE-SEMESTER COURSE AND RECOMMENDS TEACHING AP PHYSICS C: MECHANICS THE FIRST SEMESTER AND AP PHYSICS C: ELECTRICITY AND MAGNETISM THE SECOND SEMESTER.*

College-level advanced physics course following the curriculum established by the College Board Advanced Placement (AP) Program for physics; this course should provide instruction in Newton's laws of motion; work, energy and power, systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation.

Physics C: Electricity and Magnetism, AP

SDE# 03163E1000

Prerequisite: AP Physics C: Mechanics

0.5 term/0.5 credit

Grades 11-12

Fee: \$20.00

PREREQUISITE: *THE COLLEGE BOARD RECOMMENDS THAT THIS IS A ONE-SEMESTER COURSE AND RECOMMENDS TEACHING AP PHYSICS C: MECHANICS THE FIRST SEMESTER AND AP PHYSICS C: ELECTRICITY AND MAGNETISM THE SECOND SEMESTER.* College-level advanced physics course following the curriculum established by the College Board Advanced Placement (AP) Program for physics; this course should provide instruction in electrostatics; conductors; capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism.

SOCIAL SCIENCE

The 2010 Alabama Course of Study: Social Studies provides the basic foundation for the K-12 social studies curriculum in our state's public schools. The comprehensive document emphasizes **responsible citizenship** and promotes competence in economics, geography, history, and political science. Reading, writing, and using technology are essential elements of all social studies coursework. The content standards in the course of study encourage students to become educated, responsible, and participating citizens at local, national, and international levels so that they are knowledgeable of the world and its peoples and can make sound decisions.

The course requirements are the following:

| | |
|----------|--|
| Grade 9 | World History: 1500 to the Present |
| Grade 10 | United States History to 1877 |
| Grade 11 | United States History from 1877 to the Present |
| Grade 12 | United States Government/Economics |

World History

SDE# 04053G1000

1 term/1 credit
Grade 9

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.

Honors World History

SDE# 04053H1000

1 term/1 credit
Grade 9

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

SDE# 04102G1000

1 term/1 credit
Grade 10

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.

Honors United States History I

SDE# 04102H1000

1 term/1 credit
Grade 10

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. This course is a recommended prerequisite for US History AP.

United States History II

SDE# 04103G1000

1 term/1 credit
Grade 11

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.

Honors United States History II

SDE# 04103H1000

Recommended prerequisite: Honors US History I

1 term/1 credit
Grade 11

Advanced work in the chronological survey of major events and issues: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States; Alabama's history and geographic changes that have influenced aspects of life during and after events.

Government

SDE# 04151G0500

0.5 term/0.5 credit
Grade 12

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.

Economics

SDE# 04201G0500

0.5 term/0.5 credit
Grade 12

SDE#0420105CB Economics (Econ/CPrepB) - Economics with imbedded Career Prep B

SDE# 04201X05CB Economics, Essentials (Econ/CPrepB)

**Subject to ALSDE Waiver Approval*

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.

Honors Economics

SDE# 04201H0500

0.5 term/0.5 credit
Grade 12

SDE# 04201H05CB Economics, Honors (Econ/CPrepB) - Economics with imbedded Career Prep B

**Subject to ALSDE Waiver Approval*

Advanced work in the 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.

Advanced Placement (AP®) United States History

SDE# 04104E1000

Recommended prerequisite: Honors US History I or AP Human Geography

1 term/1 credit
Grade 11
Fee: \$20.00

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for United States history. This course is designed to prepare students for the College Board Advanced Placement® United States History exam, and students are encouraged to take the exam.

Advanced Placement (AP®) World History

SDE# 04057E1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for world history. This course is designed to prepare students for the College Board Advanced Placement® World History exam, and students are encouraged to take the exam.

Advanced Placement (AP®) European History

SDE# 04056E1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for European history. This course is designed to prepare students for the College Board Advanced Placement® European History exam, and students are encouraged to take the exam.

AP Human Geography or AP European History can take the place of one of the standard level US History courses (US History I, US History II) required for graduation if the student also earns a credit in AP US History. If the student earns a credit in AP Human Geography and/or AP European History but does not earn a credit in AP US History, then the student is required to earn credits in both US History I and US History II to earn a standard diploma.

Advanced Placement (AP®) Government and Politics

SDE# 04157E500

.5 term/ .5 credit

Grade 12

Fee: \$20.00

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for U. S. government and politics. This course is designed to prepare students for the College Board Advanced Placement® Government and Politics exam, and students are encouraged to take the exam.

Advanced Placement (AP®) Human Geography

SDE# 04004E1000

1 term/1credit

Grade 9-12

Fee: \$20.00

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for human geography. This course is designed to prepare students for the College Board Advanced Placement® Human Geography exam, and students are encouraged to take the exam.

AP Human Geography or AP European History can take the place of one of the standard level US History courses (US History I, US History II) required for graduation if the student also earns a credit in AP US History. If the student earns a credit in AP Human Geography and/or AP European History but does not earn a credit in AP US History, then the student is required to earn credits in both US History I and US History II to earn a standard diploma.

STATE REQUIRED CAREER PREPAREDNESS COURSES

Career Preparedness

SDE# 22153G1000

1 term/1credit
Grades 9-12

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

Career Preparedness - A

SDE# 22153G0512

0.5 term/0.5 credit
Grades 9-12

The course prepares students with knowledge and skills in the areas of career development and academic planning and computer skill application. This course is a prerequisite to Career Preparedness-B. The required 20-hour online experience can be met by successfully completing both Career Preparedness A and Career Preparedness B.

Career Preparedness - B

SDE# 22153G0522

Prerequisite: Career Preparedness - A

0.5 term/0.5 credit
Grades 9-12

The course prepares students with knowledge and skills in the areas of career development and academic planning and financial literacy. The prerequisite for this course is Career Preparedness-A. The required 20-hour online experience can be met by successful completion of both Career Preparedness A and Career Preparedness B.

CORE ELECTIVES

LANGUAGE ARTS ELECTIVES

Language arts literacy is the gateway to succeeding in the twenty-first century. The challenges of living in a diverse, global society require a strong foundation for lifelong learning. Electives in language arts offer students the opportunity to read, interpret, and comprehend a variety of texts; effectively communicate through writing and speaking; manage and apply information; and use critical thinking to gather new information and answer their own questions and those posed to them.

Bible as/in Literature

SDE #01059G1000

1 term/1 credit
Grades 11-12

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Study of the Old Testament, New Testament, heroes, prophecies, poetry and prose style

Creative Writing

SDE# 01104G1000

SDE# 01104G0500

1 term/1 credit
0.5 term/ 0.5 credit
Grades 9-12

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.
Composing poetry, short stories, and critical responses

Debate

SDE#01151G1001

1 term/ 1 credit
Grades 9-12

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.
Individual work in debate

Film and Literature

SDE# 01099G10FL

SDE# 01099G10FH

1 term/1 Credit
0.5 term/ 0.5 credit
Grades 9-12

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.
Courses developed locally; an English elective not described in this listing of English elective courses.

This course will examine the relationship between film and literature. Stories about the human experience transcend cultural boundaries and help us understand and make sense of the things that happen to us, to others, and in the world around us. It is from these stories that we learn acceptance, tolerance, and our universal bond as people. The medium through which these stories are told directly influences the way we approach and understand them. Film, as much as written works and works performed live on stage, is just as unique as a piece of art, and should be considered such in terms of analysis and critique. Selected novels, short stories, and plays will be analyzed in conjunction with the film versions of the same works in order to understand the complexity of translating a work into film. We will also analyze and evaluate films that are not adaptations of a written work, but still manage to achieve all of the aspects of literature.

Journalism 1

SDE# 11101G1013

1 term/1 credit
Grades 11-12

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

Journalism 2

SDE# 11101G1023

Prerequisite: Journalism 1 or Instructor approval

1 term/1 credit
Grades 9-12

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Advanced newspaper work; laboratory course; layout, in-depth editing, publishing, finance

Journalism 3

SDE# 11101G1033

Prerequisite: Journalism 2 or Instructor approval

1 term/1 credit
Grades 9-12

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. School newspaper management; advanced journalism

Literature, Mythology and Fable

SDE#01069G1000

1 term/ 1 credit
Grades 9-12

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Study of Greece and Rome; Egypt and Mesopotamia; China, Japan, and India; mythologies and fables

Literature, Novels

SDE# 01060G1000

1 term/1 credit
Grades 9-12

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Readings, discussions, and writings on selected novelists such as Hawthorne, Twain

Mass Media

SDE# 11149G1000

1 term/1 credit
Grades 9-12
Fee: \$30.00 each

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Listening, analyzing, writing and discussing television, newspapers, and film

Oral Communication

SDE# 01155G1000

SDE# 01155G100H

1 term/1 credit
.5 term/ .5 credit
Grades 9-12

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Extemporaneous, demonstrative, persuasive, informative oral communication; videotape; speech writing and delivery

Yearbook Production

SDE# 11104X10YB

1 term/1 credit
Grades 9-12

Prerequisite: Teacher approval

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Extemporaneous, demonstrative, persuasive, informative oral communication; videotape; speech writing and delivery

Yearbook production is designed from a combination of graphic and language arts skills. This class assumes the responsibility of compiling and designing a yearbook, which provides a complete directory of the school population, a history of the school's events of the school population, and a history of the school's events during the course of a year. These responsibilities are accomplished by staff members who have received instruction in the areas of (1) theme selection, (2) basic layout design, (3) techniques in writing, (4) captions and headlines, (5) type-fitting, (6) assessing and selecting interesting photographs, (7) cropping pictures, and (8) preparing materials to be shipped to professional printers. Staff responsibilities include financing publications costs through the sale of advertisements and books. In accomplishing the ultimate goal of producing a quality yearbook, students who are part of the organization gain journalistic training and skills in photography, sales techniques, and organizing material.

SOCIAL STUDIES ELECTIVES

Comparative Religion

SDE# 07002G1000

1 term/1 credit
Grades 9-12

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

History and comparison of major world religions

Contemporary World Issues and Civic Engage

SDE# 04064G1000

1 term/1 credit
Grades 9-12
Fee: \$10.00
0.5 term/0.5 credit
Fee: \$5.00

SDE# 04064G10CH

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

Current issues from historical and geographical perspectives; knowledge of key contemporary personalities and events that impact lives

Global Perspectives 1

SDE# 04999G10G1

1 term/1 credit
Grades 9-12

Students will research issues and communicate with other students around the world while analyzing important issues from personal, national, and global perspectives. The students will use digital resources to complete projects and research papers as they examine particular aspects of cultures through a comparative framework. The National Curriculum Standards for Social Studies, the National Educational Technology Standards for Students, and the College and Career Ready Literacy Standards in History/Social Studies will be covered throughout the term.

Topics will include comparing belief systems, traditions, educational systems, conflict and peace, family systems, technology, urban vs. rural lifestyles, sports and recreation, and current issues.

Global Perspectives 2

SDE# 04999G10G2

Prerequisite: Global Perspectives I

1 term/1 credit
Grades 10-12

This second level course provides students with additional opportunities to explore the world's political, economic, social, environmental, and cultural systems and to research current global issues. Students will increase their knowledge regarding international relations by participating in individual and group projects, as well as debate simulations.

Global Perspectives 3

SDE# 04999G10G3

Prerequisite: Global Perspectives II

1 term/1 credit
Grades 11-12

This third level course offers students the opportunity to increase their knowledge of global issues from previous courses and to develop leadership skills as they become team leaders in group initiatives and debate simulations

Global Perspectives 4

SDE# 04999G10G4

Prerequisite: Global Perspectives III

1 term/1 credit
Grade 12

The fourth level course continues opportunities to complete advanced research in the area of global issues and to use communication, problem-solving, and decision-making skills to lead others in group projects and debate simulations.

Psychology

SDE# 04254G1000
SDE# 04254G10PH

1 term/1 credit
.5 term / .5 credit
Grades 11-12

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

Advanced Placement (AP®) Psychology

SDE# 04256E1000

1 term/1 credit
Grades 11-12
Fee: \$20.00

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

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

Sociology

SDE# 04258G1000
SDE# 04258G10SH

1 term/1 credit
.5 term/ .5 credit
Grades 11-12

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

Culture and society; social inequalities; social institutions; social change

World Geography

SDE# 04001G1000
SDE# 04001G10GH

1 term/1 credit
.5 term/.5 credit
Grades 9-12
Fee: \$20.00

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

Major world geographic areas; interrelationships between people and habitat; political, social, cultural, and economic geography.

HEALTH, SAFETY, PHYSICAL EDUCATION, AND DRIVER EDUCATION

Health

SDE# 08051G0500

*Graduation Requirement

0.5 term/0.5 credit

Grade 10

This course is designed to provide students with the fundamental knowledge, concepts, and skills needed to monitor their health status through a program of wellness. Course content includes consumer and community health; environmental health, family and personal safety; mental and emotional health; nutrition, substance use and abuse; and the prevention and control of disease. This is a half-credit course which is required for graduation. It is recommended that students take this course in Grade 10.

Beginning Kinesiology

SDE# 08017G1000

*Graduation Requirement

1 term/ 1 credit

Grades 9-12

NOTE: THIS IS THE ONLY COURSE THAT FULFILLS THE GRADUATION REQUIREMENT FOR PHYSICAL EDUCATION. 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

SDE# 08017G1001

Prerequisite: Beginning Kinesiology

1 term/ 1 credit

Grades 10-12

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

Adventure/Cooperative Activities

SDE# 08004G1000

Prerequisite: Beginning Kinesiology

1 term/ 1 credit

Grades 9-12

Elective class that will allow students to progress through an experience-based program that emphasizes interpersonal relationships and individual growth. This course encourages students to develop greater self-confidence while acquiring a sense of commitment to and trust in their classmates. It is designed to expose students to a variety of outdoor skills. Prerequisite: Beginning Kinesiology.

Strength and Conditioning

SDE# 08005G10SC

Prerequisite: Beginning Kinesiology

1 term/ 1 credit

Grades 9-12

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

Team Sports

SDE# 08003G1000

Prerequisite: Beginning Kinesiology

1 term/ 1 credit

Grades 9-12

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

Sports Officiating Certification

SDE# 08019G1000

Prerequisite: Beginning Kinesiology

1 term/ 1 credit

Grades 10-11

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

Physical Education—Athletics

Prerequisite: Beginning Kinesiology or approved athletic waiver and teacher approval 1 term/1 credit
Grades 9-12

This course covers grade level specific techniques for the listed sport. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to play and participate in the listed activity. **This course DOES NOT satisfy the minimum PE requirements for any diploma type unless an ALDSE Beginning Kinesiology waiver has been obtained by the district.**

| | | | |
|-----------------------|------------|-----------------------------------|------------------------|
| Varsity Baseball | 08013G10BA | Varsity Tennis | 08011G10TN |
| Varsity Basketball | 08013G10BK | Varsity Track Field | 08013G10TF |
| Varsity Cheerleading | 08006G10CH | Varsity Volleyball | 08013G10VB |
| Varsity Cross Country | 08013G10CC | Varsity Wrestling | 08013G10WR |
| Varsity Football | 08013G10FB | Varsity Bowling | 08015G10BW |
| Varsity Flag Football | 08013G10FF | Varsity Casting, Angling, Fishing | 08015G10FS |
| Varsity Golf | 08013G10GO | Marching Band | 05103G1001-005 |
| Varsity Soccer | 08013G10SC | Percussion | 05109G10P1-P4 |
| Varsity Softball | 08013G10SB | Color Guard | 05103G10C1-C4 |
| Varsity Swimming | 08010G10SW | Winter Guard | 05103G10W1-W4 |
| | | Dance | 05003G10D1, D2, O3, 10 |

Driver's Education

SDE# 08152G1000 0.5 term/0.5 credit
Prerequisite: Alabama Learner's Permit Grade 10
Fee: \$25.00

This course is designed to provide students with the fundamental knowledge, concepts, and skills needed to assist the student in developing safe and responsible driving habits on the water as well as on our roads. This course provides the student with behind-the-wheel driving experiences and requires a fee of \$25 to help cover vehicle costs.

PLEASE READ THE FOLLOWING NOTICE REGARDING DRIVER'S EDUCATION AS PUBLISHED BY THE STATE LEGISLATURE:

"The Department of Public Safety shall deny a driver's license or a learner's license for the operation of a motor vehicle to any person under the age of 19 who does not, at the time of application, present a diploma or other certificate of graduation issued to the person from a secondary high school of this state, or any other state, or documentation that the person: (1) is enrolled and making satisfactory progress in a course leading to a general educational development certificate (GED) from a state approved institution or organization, or has obtained the certificate; (2) is enrolled in a secondary school of this state or any other state; (3) is participating in a job training program approved by the State Superintendent of Education; (4) is gainfully and substantially employed; (5) is a parent with the care and custody of a minor or unborn child; (6) has a physician certify that the parents of the person depend on him or her as their sole course of transportation; or (7) is exempted from this requirement due to circumstances beyond his or her control as provided in this chapter." Ala. Code #16-28-40 (1975)

Safety

SDE# 23992X10DS 0.5 term/0.5 credit
Grade 10

This course is designed to provide students with the fundamental knowledge, concepts, and skills needed to assist the student in developing safe and responsible driving habits on the water as well as on our roads. This course provides driver safety instruction without behind-the-wheel driving experience.

FINE ARTS

The following is a listing of courses that are typically offered on high school campuses throughout the school district. Some courses may not be offered at every school campus due to the distribution of personnel, existing facilities, and/or student demand.

ARTS EDUCATION

The arts - dance, music, theatre, and visual arts—are among our most innate and essential elements of human nature. The arts not only shape and extend our ability to think, manipulate, and symbolize our world, but also produce high levels of productive thinking. Arts sharpen and extend a person's ability to express, understand, and absorb feelings and ideas essential in our rapidly growing society. The variety of Fine Arts offered by the high schools in Baldwin County will foster creativity across the curriculum.

DANCE

Dance, Elements of Arts Literacy

SDE#05006G1000

0.5 term/ 0.5credit
Grades 9-12

Students explore the art of dance through improvisation and exposure to master works and diverse cultural dance forms. They will use critical analysis and appropriate dance terminology to identify the elements of dance and determine the impact these elements have on the communication of ideas, style and meaning. Students will develop an understanding of dance as a performing art by creating and performing dance, and by demonstrating proper audience and performance etiquette, while viewing professional dance and/or performances by peers. Students will also explore how production technologies may impact dance performance, both live and recorded.

Dance Ensemble I

SDE# 05002G1001

1 term/1 credit
Grades 9-12

This is a one credit course at the proficient dance level. The Dance Ensemble I is a performing company which develops professional approaches to rehearsals and performances and is for students from a novice to proficient level in their dance training. Whether working in groups or as a soloist, students are exposed to a variety of styles, choreographers, repertoire and music. The company offers experience in live performances before audiences, and requires an enhanced consideration of dance as a performing art.

Dance Ensemble II

SDE# 05002G1002

Prerequisite: Dance Ensemble or Approval of the Instructor

1 term/ 1 credit
Grades 9-12

This is a one credit course at the accomplished dance level. The Dance Ensemble II is a performing company which develops professional approaches to rehearsals and performances and is for students from a proficient to an accomplished level in their dance training. Whether working in groups or as a soloist, students are exposed to a variety of styles, choreographers, repertoire and music. The company offers experience in live performances before audiences, and requires an enhanced consideration of dance as a performing art.

Dance Ensemble III

SDE# 05002G1003

Prerequisite: Dance Ensemble II or approval of the Instructor

1 term/1 credit
Grades 9-12

This is a one credit course at the advanced dance level. The Dance Ensemble III is a performing company which develops professional approaches to rehearsals and performances and is for students from an accomplished to an advanced level in their dance training. Whether working in groups or as a soloist, students are exposed to a variety of styles, choreographers, repertoire and music. The company offers experience in live performances before audiences, and requires an enhanced consideration of dance as a performing art.

Dance I

SDE# 05003G10D1

1 term/1 credit
Grades: 9-12
Fee: \$20.00

This is a one credit course at the proficient dance level. Novice students progress to a proficient level through a rigorous understanding of the elements of dance. Students create and perform while exploring movement through improvisation and choreographic devices, and develop technical dance skills through correct alignment, nutrition, and injury prevention. They obtain an introductory ability to analyze movement for artistic intent, using a knowledge of dance and production elements, genres and style, cultural context, and evaluative criteria.

Dance II

SDE# 05003G10D2

Prerequisite: Dance or Approval of the Instructor

1 term/1 credit
Grades: 9-12
Fee: \$20.00

This is a one credit course at the accomplished dance level. Proficient students progress to an accomplished level as they explore and analyze choreographic devices through improvisation and solving movement problems. They develop strategies to document, gain feedback, review and revise choreography to obtain a specific artistic intent. Students develop kinesthetic awareness of the elements of dance and relationships to other dancers and increase technical skills providing fluency of movement. In responding to dance, students use codified technique and genre specific terminology and are able to evaluate choreography that is related to content learned in other subjects.

Dance III

SDE# 05003G1003

Prerequisite: Dance Level II or Approval of the Instructor

1 term/1 credit
Grades 9-12
Fee: \$20.00

This is a one credit course at the advanced dance level. Students progress to an advanced capacity for dance literacy that includes creating dance, performing dance, responding to dance, and connecting dance with skills across the arts disciplines and other academic areas. Students create a portfolio and capstone project which will include all aspects of dance composition, dance production and dance critique, and illustrates a unique personal voice. The capstone project, influenced by research, will show evidence of excellence in leadership qualities and advanced performance, including production elements that clarify intent.

Dance IV

SDE# 05049G1010

Prerequisite: dance II or approval of the instructor

1 term/ 1 credit
Grades 11-12
Fee:\$20.00

Independent Study courses at the advanced dance arts level are courses designed to refine and demonstrate concepts focused on a specific area of emphasis within dance. These courses are often conducted with instructors or professional artists as mentors. They enable students to collaboratively and independently refine specific work of their choice from the range of forms within dance. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

THEATRE

Theatre, Elements of Arts Literacy

SDE# 05051G0500

.5 term/.5 credit
Grades 9-12

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

Theatre I

SDE# 05052G1001

1 term/1 credit
Grades 9-12
Fee: \$15.00

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

Theatre II

SDE# 05052G1002

Prerequisite: Theatre I or approval of the instructor

1 term/1 credit
Grades 9-12
Fee: \$15.00

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

Theatre III

SDE# 05052G1003

Prerequisite: Theatre II or approval of the instructor

1 term/1 credit
Grades 10-12
Fee: \$15.00

This one credit course, advanced level, continues the study of theatre. Creating, performing, responding, and connecting drive critical thinking, meaning, reflection, production and assessment to understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will further study the history of theater and technical theatre.

Theatre IV

SDE# 05097G1010

Prerequisite: theatre II or approval of the instructor

1 term/ 1 credit
Grades 11-12
Fee: \$15.00

Independent Study courses at the advanced theatre arts level are courses designed to refine and demonstrate concepts focused on a specific area of emphasis within theatre arts. These courses are often conducted with instructors or professional artists as mentors. They enable students to collaboratively and independently refine specific work of their choice from the range of forms within theatre. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

Acting Technique II

SDE# 05053G1002

Prerequisite: Theatre I, Musical Theatre I or approval of the instructor

1 term/1 credit
Grades 9-12

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

Acting Technique III

SDE# 05053G1003

Prerequisite: acting technique (II) or approval of the instructor

1 term/ 1 credit
Grades 9-12

This one credit course, advanced level, focuses on specific acting techniques. Creating, performing, and connecting drive critical thinking, meaning, reflection, production, and assessment through specific acting techniques. Students will refine self-expression and demonstrate an understating of how methods of acting may be used to communicate artistic ideas. Students will continue to study, write and/or perform scenes and monologues, use text analysis as well as character analysis to perform informal and formal productions equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre.

Theatre, Acting for the Camera II,

SDE# 05055G1002

1 term/ 1 credit

Grades 9-12

Prerequisite: Introduction to theatre I, musical theatre I, technical theatre I or approval of the instructor.

This one credit course, accomplished level, focuses on specific acting techniques for the camera. Creating, performing, and connecting drive critical thinking, meaning, reflection, production, and assessment by understanding framed shots, facial and physical gestures and performing to the camera. Students will study, write and/or perform scenes and monologues, act in student directed films in addition to producing their own films. Basic camera work and editing will also be emphasized.

Technical Theatre Production I

SDE# 05056G1001

1 term/1 credit

Grades 9 -12

Fee: \$15.00

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

Technical Theatre Production II

SDE# 05056G10T2

1 term/1credit

Grades 9-12

Fee: \$15.00

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

Technical Theatre Production III

SDE# 05056G10T3

1 term/ 1 credit

Grades 9-12

Fee: \$15.00

This one credit course, advanced level, continues the study of technical theatre. Creating, performing, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to demonstrate concepts and skills through a technical theatre experience. Students will learn design principles, scenery, lighting, costuming and sound design for theatre productions. Students will study the history of theatre and an emphasis will be place on the safe practices and proper use of tools, equipment, and materials equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre.

Makeup Design and Application II

SDE# 05056G10M2

1 term/1 credit

Grades 9-12

Fee: \$10.00

Prerequisite: Introduction to Theatre I, Musical Theatre I, Technical Theatre I or approval of the instructor

This one credit course, accomplished level, is an introduction to the principles, elements, and practicalities of makeup design in a theatrical setting. Students will learn basic application, contouring, blending, and color selection, experimenting with special effects, and modifying appearance through the use of makeup. Students will research history of theatre emphasizing the practice and practical application of stage makeup. Safe practices and proper use of tools, equipment and materials will be used.

Playwriting II

SDE# 05058G1002

1 term/ 1credit

Grades 9-12

Prerequisite: Intro to Theatre I, Musical Theatre I, Technical Theatre I or approval of the instructor

This one credit course, accomplished level, is an introduction to the principles, elements, and practicalities of writing plays in various lengths and structure, building of ideas into dramatic situations, use of dialogue and movement. The students will learn, understand, and explore the principles of plot structure, character motivation and development, and writing for the stage.

Musical Theatre I

SDE# 05060G1001

1 term/ 1 credit

Grades 9-12

Fee: \$15.00

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

Musical Theatre II

SDE# 05060G1002

Prerequisite: introduction to musical theatre I or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$15.00

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

Musical Theatre III

SDE# 05060G1003

Prerequisite: musical theatre II or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$15.00

This one credit course, advanced level, continues the study of musical theatre. Creating, performing, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment. Students will demonstrate concepts and skills on how musical theatre communicates ideas and allows for self-expression. Students will use their acting and musical talent to refine their musical theatre technique equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. Students will study the history of musical theatre and perform solo, duo and group musical theatre works.

INSTRUMENTAL MUSIC

Traditional and Emerging Ensembles: Concert Band I

SDE# 05102G1001

1 term/1 credit

Grades 9-12

Fee: \$30.00

This is a one credit course, novice level, designed for 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 literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Traditional and Emerging Ensembles: Concert Band II

SDE# 05102G1002

Prerequisite: Concert Band or approval of instructor

1 term/1 credit

Grades 9 -12

Fee: \$30.00

This is a one credit course, intermediate level, designed for 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 literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Traditional and Emerging Ensembles: Concert Band III

SDE# 05102G1003

Prerequisite: Concert Band II or approval of the instructor

1 term/1 credit

Grades 9-12

Fee: \$30.00 each

This is a one credit course, proficient level, designed for 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 literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Traditional and Emerging Ensembles: Concert Band IV

SDE# 05102G1004

Prerequisite: Concert Band Level III or approval of the Instructor

1 term/1 Credit

Grades 9-12

Fee: \$30.00

This is a one credit course, accomplished level, designed for 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 literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Traditional and Emerging Ensembles: Marching Band I

SDE# 05103G1001

1 term/1 credit

Grades 9-12

Fee: 30.00

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

Traditional and Emerging Ensembles: Marching Band II

SDE# 05103G1002

Prerequisite: Intro. to Marching Band or approval of the instructor

1 term/1 credit

Grades 9-12

Fee: \$30.00

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

Traditional and Emerging Ensembles: Marching Band III

SDE# 05103G1003

Prerequisite: Marching Band II or approval of the Instructor

1 term/ 1 Credit

Grade 9-12

Fee: \$30.00

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

Traditional and Emerging Ensembles: Marching Band IV

SDE# 05103G1004

Prerequisite: Marching Band III or approval of the Instructor

1 term/ 1 Credit

Grades 9-12

Fee: \$30.00

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

Marching Band Color Guard I

SDE# 05103G10C1

SDE# 05103G05C1

1 term/ 1 Credit

0.5 term/0.5credit

Grades 9-12

Fee: \$30.00

The purpose of auxiliary band during marching season is to march at varsity football games, attend pep rallies, compete in marching contests, participate in local parades, and any other activity approved by the school administration and the band director. A required pre-school marching camp is held to teach students marching and musical fundamentals to prepare for half-time performance. Color Guard members are taught musical and visual performance skills, dance, and movement fundamentals, stretching and endurance skills to enhance the visual representation of the music performed by the marching band for half-time and other required performances. If extra rehearsals are deemed necessary by the band director, attendance is required. This class meets every day with required after school rehearsals and performances.

Marching Band Winter Guard I

SDE# 05103G10W1

SDE# 05103G05W1

1 term/ 1 credit

0.5 term/ 0.5 credit

Grades 9-12

Winter Guard is a semester course in which students learn the technical skills involved in expressive dance, flag, rifle, and saber choreography. The course will prepare students for Winter Guard performance at various competitions and concerts throughout the spring semester. Dance will be taught in addition to traditional color guard training techniques. Evening rehearsals, as well as weekend rehearsals, are a required part of this course. Weekend competitions and travel are also a required part of the course. Participation is by invitation/audition or teacher recommendation only.

Marching Band Color Guard II

SDE# 05103G10C2

SDE# 05103G05C2

Prerequisite: Marching Auxiliary Band I

1 term/ 1 credit

0.5 term/ 0.5 credit

Grades 9-12

Fee: \$30.00

The purpose of auxiliary band during marching season is to march at varsity football games, attend pep rallies, compete in marching contests, participate in local parades, and any other activity approved by the school administration and the band director. A required pre-school marching camp is held to teach students marching and musical fundamentals to prepare for half-time performance. Color Guard members are taught musical and visual performance skills, dance, and movement fundamentals, stretching and endurance skills to enhance the visual representation of the music performed by the marching band for half-time and other required performances. If extra rehearsals are deemed necessary by the band director, attendance is required. This class meets every day with required after school rehearsals and performances.

Marching Band Winter Guard II

SDE# 05103G10W2

SDE# 05103G05W2

1 term/ 1 credit

0.5 term/ 0.5 credit

Grades 9-12

Winter Guard is a semester course in which students learn the technical skills involved in expressive dance, flag, rifle, and saber choreography. The course will prepare students for Winter Guard performance at competitions and concerts throughout the spring semester. Various styles of dance will be taught in addition to traditional color guard training techniques. Evening rehearsals, as well as weekend rehearsals, are a required part of this course. Weekend competitions and travel are also a required part of the course. Participation is by invitation/audition or teacher recommendation only.

Marching Band Color Guard III

SDE# 05103G10C3

SDE# 05103G05C3

Prerequisite: Marching Auxiliary Band II

1 term/ 1 credit

0.5 term/ 0.5 credit

Grades 9-12

Fee: \$30.00

The purpose of auxiliary band during marching season is to march at varsity football games, attend pep rallies, compete in marching contests, participate in local parades, and any other activity approved by the school administration and the band director. A required pre-school marching camp is held to teach students marching and musical fundamentals to prepare for half-time performance. Color Guard members are taught musical and visual performance skills, dance, and movement fundamentals, stretching and endurance skills to enhance the visual representation of the music performed by the marching band for half-time and other required performances. If extra rehearsals are deemed necessary by the band director, attendance is required. This class meets every day with required after school rehearsals and performances.

Marching Band Winter Guard III

SDE# 05103G10W3

SDE# 05103G05W3

1 term/ 1 credit

0.5 term/ 0.5 credit

Grades 9-12

Winter Guard is a semester course in which students learn the technical skills involved in expressive dance, flag, rifle, and saber choreography. The course will prepare students for Winter Guard performance at various competitions and concerts throughout the spring semester. Various styles of dance will be taught in addition to traditional color guard training techniques. Evening rehearsals, as well as weekend rehearsals, are a required part of this course. Weekend competitions and travel are also a required part of the course. Participation is by invitation/audition or teacher recommendation only.

Marching Band Color Guard IV

SDE# 05103G10C4

SDE# 05103G05C4

Prerequisite: Marching Auxiliary Band III

1 term/ 1 credit

0.5 term/ 0.5 credit

Grades 9-12

Fee: \$30.00

The purpose of auxiliary band during marching season is to march at varsity football games, attend pep rallies, compete in marching contests, participate in local parades, and any other activity approved by the school administration and the band director. A required pre-school marching camp is held to teach students marching and musical fundamentals to prepare for half-time performance. Color Guard members are taught musical and visual performance skills, dance and movement fundamentals, stretching and endurance skills to enhance the visual representation of the music performed by the marching band for half-time and other required performances. If extra rehearsals are deemed necessary by the band director, attendance is required. This class meets every day with required after school rehearsals and performances.

Marching Band Winter Guard IV

SDE# 05103G10W4

SDE# 05103G05W4

1 term/ 1 credit

0.5 term/ 0.5 credit

Grades 9-12

Winter Guard is a semester course in which students learn the advanced technical skills involved in expressive dance, flag, rifle, and saber choreography. The course will prepare students for Winter Guard performance at various competitions and concerts throughout the spring semester. Various styles of dance will be taught in addition to traditional color guard training techniques. Evening rehearsals, as well as weekend rehearsals, are a required part of this course. Weekend competitions and travel are also a required part of the course. Participation is by invitation/audition or teacher recommendation only.

Traditional and Emerging Ensembles: Jazz Ensemble I

SDE# 05105G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

This is a one credit course, novice level, designed for 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.

Traditional and Emerging Ensembles: Jazz Ensemble II

SDE# 05105G1002

Prerequisite: Jazz Ensemble or approval of the instructor

1 term/1 credit

Grades 9-12

Fee: \$20.00

This is a one credit course, intermediate level, designed for 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.

Traditional and Emerging Ensembles: Jazz Ensemble III

SDE# 05105G1003

Prerequisite: Jazz Ensemble II or approval of the instructor

1 term/1 credit

Grades 9-12

Fee: \$20.00

This is a one credit course, proficient level, designed for 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.

Traditional and Emerging Ensembles: Jazz Ensemble IV

SDE# 05105G1004

Prerequisite: Jazz Ensemble III or approval of the instructor

1 term/1 credit

Grades 9-12

Fee: \$20.00

This is a one credit course, accomplished level, designed for 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.

Harmonizing Instruments: Piano I

SDE# 05107G1001

1 term/ 1credit

Grades 9-12

Fees: \$25.00

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

Harmonizing Instruments: Piano II

SDE# 05107G1002

Prerequisite: Piano I or approval of the instructor

1 term/1 credit

Grades 10-12

Fees: \$25.00

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

Harmonizing Instruments: Piano III

SDE# 05107G1003

Prerequisite: Piano II or approval of the instructor

1 term/1 credit

Grades 10-12

Fees: \$25.00

This is a one credit course, proficient level, designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students

will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form, and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

Harmonizing Instruments: Piano IV

SDE# 05107G1004

Prerequisite: Piano III or approval of the instructor

1 term/1 credit

Grades 9-12

Fees: \$25.00

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

Harmonizing Instruments: Guitar I

SDE# 05108G10G1

1 term/1 credit

Grades 9-12

Fee: \$25.00

This is a one credit course, novice level designed for 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.

Harmonizing Instruments: Guitar II

SDE# 05108G10G2

Prerequisite: Guitar I or approval of the instructor

1 term/1 credit

Grades 9-12

Fee: \$25.00

This is a one credit course, intermediate level, designed for 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.

Harmonizing Instruments: Guitar III

SDE# 05108G10G3

Prerequisite: Guitar II or approval of the instructor

1 term/1 credit

Grades 9-12

Fees: \$25.00

This is a one credit course, proficient level, designed for 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.

Harmonizing Instruments: Guitar IV

SDE# 05108G10G4

Prerequisite: Guitar III or approval of the instructor

1 term/1 credit

Grades 9-12

Fees: 25.00

This is a one credit course, accomplished level, designed for 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.

Traditional and Emerging Ensembles: Percussion I

SDE# 05109G10P1

1 term/1 credit
Grades 9-12
Fee: \$30.00

This is a one credit course, novice level, designed for students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will study works of quality literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Traditional and Emerging Ensembles: Percussion II

SDE# 05109G10P2

Prerequisite: Introduction to percussion or approval of the Instructor

1 term/1 credit
Grades 9-12
Fee: \$30.00

This is a one credit course, intermediate level, designed for students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will study works of quality literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Traditional and Emerging Ensembles Percussion III

SDE# 05109G10P3

Prerequisite: Percussion II or approval of the Instructor

1 term/ 1 credit
Grades 9-12
Fee: \$30.00

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

Traditional and Emerging Ensembles Percussion IV

SDE# 05109G10P4

Prerequisite: Percussion III or approval of the Instructor

1 term/ 1 credit
Grades 9-12
Fee: \$30.00

This is a one credit course, accomplished level, designed for students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will study works of quality literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Band Techniques

SDE# 23992X10BT

1 term/ 1 credit
Grades 9-12

This is a course a student can take in addition to the standard Marching Band/Concert Band course with teacher approval. Students will be able to use this class to further their instrumental goals outside of the traditional ensemble class with the goal to extend technical skills and artistry and to provide an opportunity for deeper understanding and appreciation of the study of music. This technique class will allow students to learn a new instrument, participate in one-on-one instruction or critique, practice for honor band and scholarship auditions, and prepare for ensembles. Students will perform on personal instruments employing the following concepts: timbre, rhythm, melody, harmony, form, and expression.

VOCAL MUSIC

Music, Elements of Arts Literacy

SDE# 05119G1000

.5 term/.5 credit
Grades 9-12

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

Traditional and Emerging Ensembles: Mixed Chorus I

SDE# 05110G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Traditional and Emerging Ensembles: Mixed Chorus II

SDE# 05110G1002

Prerequisite: Intro to Mixed Chorus I or approval of the instructor

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Traditional and Emerging Ensembles: Mixed Choir III

SDE# 05110G1003

Prerequisite: Mixed Chorus II or approval of the instructor

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Traditional and Emerging Ensembles: Mixed Choir IV

SDE# 05110G1004

Prerequisite: Mixed Chorus III or approval of the instructor

1 term/ 1 credit
Grades 9-12
Fee: \$20.00

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

Traditional and Emerging Ensembles: Chamber Chorus I

SDE# 05111G10C1

1 term/ 1 credit
Grades 9-12
Fee: \$20.00

This is a one credit course, novice level, designed for beginning music students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences

to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.

Traditional and Emerging Ensembles: Chamber Chorus II

SDE# 05111G10C2

Prerequisite: Introduction to Chamber Chorus I or Approval of the Instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Chamber Chorus III

SDE# 05111G10C3

Prerequisite: Chamber Chorus II or Approval of the Instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Chamber Chorus IV

SDE# 05111G10C4

Prerequisite: Chamber Chorus III or Approval of the Instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Chamber Chorus V

SDE# 05111G10C5

Prerequisite: Chamber Chorus IV or Approval of the Instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to apply concepts of choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.

Traditional and Emerging Ensembles: Men's Chorus I

SDE# 05111G10M1

1 term/1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Men's Chorus II

SDE# 05111G10M2

Prerequisite: Men's chorus I or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Men's Chorus III

SDE# 05111G10M3

Prerequisite: Men's chorus II or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Men's Chorus IV

SDE# 05111G10M4

Prerequisite: Men's chorus III or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Women's Chorus I

SDE# 05111G10W1

1 term/1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Women's Chorus II

SDE# 05111G10W2

Prerequisite: Women's chorus I or approval of the instructor

1 term/ credit

Grades 9-12

Fee: \$20.00

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

of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

Traditional and Emerging Ensembles: Women's Chorus III

SDE# 05111G10W3

Prerequisite: Women's chorus II or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Women's Chorus IV

SDE# 05111G10W4

Prerequisite: Women's chorus III or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Advanced Placement (AP®) Music Theory

SDE# 05114E1000

Prerequisite: Symphonic Band or Director's Approval recommended

1 term/1 credit

Grades 10-12

Fee: \$20.00

Students in this class will work toward a deeper understanding of the various building blocks of music: melody, harmony, rhythm, meter, texture, and form. Why do pieces based upon Western harmony (including most pop music, classical music, jazz, and folk music) work the way that they do? Students will strive to answer this through development of their written skills (analysis, composition, and notation) and musicianship (listening skills, sight-singing, and harmonization at the keyboard). This course may involve a technology component. The work in this class is equivalent to that of a first-year college course in music theory and culminates in the AP exam. Students enrolled in this course are encouraged to take the College Board Advanced Placement® Examination. **Note: This course may not be offered at every high school. This course cannot be used for fine art credit required for graduation.**

Traditional and Emerging Ensembles: Show Choir I

SDE# 05121G1001

Prerequisite: Audition required

1 term/1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Show Choir II

SDE# 05121G1002

Prerequisite: Show Choir I or approval of the Instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Show Choir III

SDE# 05121G1003

Prerequisite: Show Choir II or approval of the Instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Traditional and Emerging Ensembles: Show Choir IV

SDE# 05121G1004

Prerequisite: Show Choir III or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Music Technology, Music Production and Engineering I

SDE# 05123G10M1

Prerequisite: Traditional and Emerging Ensemble (Instrumental or vocal) course or Harmonizing Instrument Course at a Minimal Proficiency Level of Novice or Approval of the Instructor

1 term/1 credit

Grades 9-12

Fee: \$20.00

This one credit course, proficient level, is designed as an overview of audio production techniques in a recording studio environment, including industry-standard process and procedures.

Music Technology, Music Production and Engineering II

SDE# 05123G10M2

Prerequisite: traditional and emerging ensemble (instrumental or vocal) course or harmonizing instrument course at a minimal proficiency level of intermediate or approval of the instructor.

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

This one credit course, accomplished level, is designed to extend students technical skills and artistry of audio production techniques in a recording studio environment, including industry-standard process and procedures to provide a deeper understanding and appreciation of the study of music.

Music Technology, Music Production and Engineering III

SDE# 05123G10M3

Prerequisite: traditional and emerging ensemble (instrumental or vocal) course or harmonizing instrument course at a minimal proficiency level of accomplished or approval of the instructor.

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

This one credit course, advanced level, is designed for students to demonstrate concepts and skills of audio production techniques in a recording studio environment, including industry-standard process and procedures equivalent to college-preparatory or honors to reinforce a continued enjoyment of music in community or professional setting.

VISUAL ARTS

Visual Arts, Elements of Arts Literacy

SDE# 05151G1000

.5 term/.5 credit
Grades 9-12

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

Visual Arts I

SDE# 05154G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

This one credit course, novice level, it is the first of a sequential high school course. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how visual arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.

Visual Arts II

SDE# 05154G1002

Prerequisite: Intro to Visual Arts or approval of the Instructor

1 term/1 credit
Grades 9-12
Fee \$20.00

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

SDE# 05154G1003

Prerequisite: Visual Arts II or approval of the Instructor

1 term/1 credit
Grades 9-12
Fee: \$20.00

This one credit course, accomplished level, it 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 allows for self-expression. Through exploration and experimentation, this course provides students with a comprehensive study 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 IV

SDE# 05154G1004

Prerequisite: Visual Arts III or approval of the Instructor

1 term/1 credit
Grades 9-12
Fee: \$20.00

This one credit course, advanced level, it 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 allows for self-expression. Through exploration and experimentation, this course provides students with an advanced study 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, Painting II

SDE# 05157G1002

Prerequisite Art I or Approval of Instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Visual Arts, Painting III

SDE# 05157G1003

Prerequisite Painting I or Approval of Instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Visual Arts, Graphic Design I

SDE# 05162G1001

1 term / 1 credit

Grades 9-12

Fee: \$20.00

This one credit course, novice level, it is the first of a sequential high school course focusing directly on graphic design. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how graphic design communicates ideas and allows for self-expression. Through exploration and experimentation, this course introduces core concepts of visual communication principles and provides students with a foundation in the graphic design processes, art criticism, aesthetics, and art history. Students will address graphic design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.

Visual Arts, Photography I

SDE# 05167G10P1

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Visual Arts, Photography II

SDE# 05167G10P2

Prerequisite: Photography I or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

in foundations of analog photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of analog photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of digital photography may be incorporated.

Visual Arts, Photography III

SDE# 05167G10P3

Prerequisite: photography II or approval of the instructor

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Advanced Placement (AP®) Studio Art Drawing

SDE# 05172E1000

Prerequisite: Art II or teacher approval

1 term/1 credit

Grades 11-12

Fee: \$20.00

Art III or AP Studio Art will be offered when all Art I and Art II requests have been met. It is an advanced course which provides an intensive study designed for the student who plans an art-related career or elects to receive college credit based on the completion of the College Board requirements. Students select a concentration area and compile a portfolio of work for presentation. The portfolio may be general drawings. Students are required to keep a portfolio, sketch book, notebook, and a slide set of their work. Students are also expected to upload photos of artwork as part of the Studio Art AP exam in May.

Advanced Placement (AP®) Studio Art 2D

SDE# 05174E1000

Prerequisite: Art III or Art AP (Studio), teacher approval, and portfolio submission

1 term/1 credit

Grades 11-12

Fee: \$20.00

This course may be offered when all Art I, II, and III requests have been met. It may be offered as an independent study course, depending upon the level of study, expertise, and local school scheduling restrictions. This course is designed for juniors and seniors based on the needs and career goals of the student. Major concentration is guidance to complete the AP portfolio specific guidelines. Students are expected to upload photos of artwork as part of the Studio Art AP exam in May.

Art History

SDE#23992X10AH

.5 term/ .5 credit

Grades 10-12

Fee: \$10.00

This one-semester elective will provide an in-depth study of art history and basic art concepts. Students will examine a variety of aspects of art history including themes and purposes of art; styles of art; the elements of art; design principles; two-dimensional media; western and non-western art history.

MEDIA ARTS

Media Arts, Elements of Arts Literacy

SDE# 05263G0500

.5 term/ .5 credit

Grades 9-12

This half credit course will provide instruction on the basic elements of media arts. Students will explore how to create and produce media arts products, responding and connecting them to historical, current, and personal events. Students will have an introduction to the history of media arts, and the ethical and appropriate use of the media arts medium.

Media Arts I

SDE# 05250G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

This is a one credit course, proficient level, introduction to the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined mediums and forms, including moving image, sound, interactive, spatial and/or interactive design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; their transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.

Media Arts, Intro to Sequential Images I

SDE# 05255G1001

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

WORLD LANGUAGES

The global demands of the twenty-first century require that today's schools not only promote the learning of other languages, but also promote an understanding of the diverse cultures of the world. The language classroom creates a unique opportunity to equip students with the knowledge and skills to meet this challenge. The study of languages other than English, when combined with appropriate instruction, will enable students to become language literate, to develop their problem-solving and higher-order thinking skills, to broaden their world views, and to obtain a better understanding of their own and other cultures. In accordance with Alabama Senate Bill 94, signed into law by Governor Bob Riley August 2, 2005, American Sign Language is recognized as a language that meets the requirement for two years of study of a foreign language.

French 1

SDE# 24102G1001

1 term/1 credit
Grades 9-12
Fee: \$7.50

Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of French-speaking cultures.

French 2

SDE# 24103G1000

Prerequisite: French I

1 term/1 credit
Grades 9-12
Fee: \$7.50

Listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of French-speaking cultures.

French 3

SDE# 24104G1000

Prerequisite: French II

1 term/1 credit
Grades 9-12
Fee: \$7.50

Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of French-speaking cultures.

French 4

SDE# 24105G1000

Prerequisite: French III

1 term/1 credit
Grades 10-12
Fee: \$7.50

Listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating literary compositions; extensive understanding of French-speaking cultures.

Spanish 1

SDE# 24052G1000

1 term/1 credit
Grades 9-12
Fee: \$7.50

Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Spanish-speaking cultures.

Spanish 2

SDE# 24053G1000

Prerequisite: Spanish I

1 term/1 credit
Grades 9-12
Fee: \$7.50

Listening and speaking skills including understanding and responding to directions, commands, and questions; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of Spanish-speaking cultures.

Spanish 3

SDE# 24054G1000

Prerequisite: Spanish II

1 term/1 credit

Grades 9-12

Fee: \$7.50

Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of Spanish-speaking cultures.

Spanish 4

SDE# 24055G1000

Prerequisite: Spanish III

1 term/1 credit

Grades 10-12

Fee: \$7.50

Listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating compositions; extensive understanding of Spanish-speaking cultures.

Advanced Placement Spanish Language

SDE# 24064E1000

Prerequisite: Spanish III

1 term/1 credit

Grades 11-12

Fee: \$20.00

College-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for Spanish; performance in listening, speaking, reading, and writing for a variety of situations with emphasis on vocabulary, structure, fluency, and accuracy; extensive writing of compositions. Students are encouraged to take the exam.

General Electives

***Some of these courses are offered online only**

Robotics I

SDE# 23992X10RI

1 term/1 credit
Grade 9-12
Fee: \$10.00

In Robotics I, students will participate in the engineering design process to design, construct, program, and test autonomous mobile robots. Throughout the course, students will apply mathematical and scientific concepts, leadership skills, and abstract thinking. Students will participate in project management, collaborative activities, and problem solving to complete a variety of robotic, programming, and engineering challenges.

Robotics II

SDE# 23992X10R2

1 term/1 credit
Grade 9-12
Fee: \$10.00

In Robotics II, students will build on the skills attained in Robotics I to design, construct, program, and test more complex autonomous robots. More advanced levels of abstract thinking and mathematical and scientific skills and concepts will be applied during the engineering design process. Students will continue to develop leadership skills related to project management, collaboration, and problem solving as they complete a variety of robotic, programming, and engineering challenges.

Peer Helpers

SDE#22107X10PH

1 term 1 / 1 credit
Grades 9-12

Supervised tutoring services offered by students.

Study Hall -Virtual Lab

Distance Learning Virtual Lab

SDE# 22006X10VN

*Non-credit bearing study hall to assist students in Virtual courses (ACCESS, etc.)

Grades 9-12

Dual Enrollment Virtual Lab

SDE# 22006X10DN

*Non-credit bearing study hall to assist students in dual enrollment courses

Grades 9-12

COLLEGE AND CAREER PREPARATION

ACT/SAT Prep

SDE# 22005X10TC
SDE# 22005X10TH

1 term/1 credit
.5 term/ .5 credit
Grades 9-12

This course provides students an opportunity to review, practice, and extend their knowledge of English, math, reading, science, and writing for the purpose of preparing for the ACT/SAT. Students will become familiar with test taking strategies, participate in mock examinations, manage test anxiety, manage their time, and maximize their performance on test day. The course includes classroom lessons, skill reviews and exercises, and practice tests. **This course may not be offered at all schools.**

AP Seminar

SDE# 22110E1000

1 term/ 1 credit
Grades 11-12
Fee: \$20.00

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas.

AP Research

SDE #: 22112E1000

1 term/ 1 credit
Grade 12
Fee: \$20.00

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

AP/IB ELA Studies

SDE# 22006X10EA
Required: Enrollment in AP/IB Eng 11 or 12

0.5 term/0.5 credit
Grade 11 or 12

This course provides students an opportunity to review and extend their knowledge of English 11 or 12 for the purpose of preparing for Advanced Placement and/or International Baccalaureate examination(s). Students will become familiar with test taking strategies and participate in mock examinations.

AP/IB History Studies

SDE# 22006X10HA
Required: Enrollment in AP/IB History 11 or 12

0.5 term/0.5 credit
Grade 11 or 12

This course provides students an opportunity to review and extend their knowledge of History 11 or 12 for the purpose of preparing for Advanced Placement and/or International Baccalaureate examination(s). Students will become familiar with test taking strategies and participate in mock examinations.

AP/IB Science Studies

SDE# 22006X10SA
Required: Enrollment in AP/IB Life Sciences

0.5 term/0.5 credit
Grade 11-12

This course provides students an opportunity to review and extend their knowledge of life sciences for the purpose of preparing for the Advanced Placement and/or International Baccalaureate examination(s). Students will become familiar with test taking strategies and participate in mock examinations.

AP/IB Math Studies

SDE# 22006X10MA
Required: Enrollment in AP/IB Mathematics 11 or 12

0.5 term/0.5 credit
Grade 11 or 12

This course provides students an opportunity to review and extend their knowledge of Mathematics 11 or 12 for the purpose of preparing for Advanced Placement and/or International Baccalaureate examination(s). Students will become familiar with test taking strategies and participate in mock examinations.

AP/IB Elective Studies

SDE# 22006X10OA

0.5 term/0.5 credit

Required: Enrollment in AP/IB Elective Course 11 or 12

Grade 11 or 12

This course provides students an opportunity to review and extend their knowledge of AP elective courses 11 or 12 for the purpose of preparing for Advanced Placement and/or International Baccalaureate examination(s). Students will become familiar with test taking strategies and participate in mock examinations.

INTERVENTION – EXTENSION

The courses below are designed to provide students with targeted and specific instruction.

Math Lab

SDE# 02996G1000

1 term/ 1 credit
Grades 9-12

School systems should provide instructional support (labs or intervention periods) for students in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics. Student assignment to this class period and the length of this class period are at the LEA's discretion. Credit for this class period would count as elective credit, not mathematics credit.

Math Readiness

SDE# 23992X10MI

SDE# 23992X10MH

1 term/1 credit
0.5 term/.5 credit
Grades 9-12

These courses are designed to provide identified students with additional instruction and support in areas of math.

Science Readiness

SDE# 23992X10SI

SDE# 23992X10SH

1 term/1 credit
0.5 term/.5 credit
Grades 9-12

This course is designed to provide identified students with additional instruction and support in areas of science.

English Readiness

SDE# 23992X10EI

SDE# 23992X10EH

1 term/1 credit
0.5 term/.5 credit
Grade 9-12

This course is designed to provide identified students with additional instruction and support in areas of English Language Arts.

Social Science Readiness

SDE# 23992X10HI

SDE# 23992X10HH

1 term/1 credit
0.5 term/.5 credit
Grade 9-12

This course is designed to provide identified students with additional instruction and support in areas of social studies.

Reading Readiness

SDE# 23992X10RI

SDE# 23992X10EH

1 term/1 credit
.5 term/.5 credit
Grades 9-12

This course is designed to provide identified students with additional instruction and support in areas of reading.

Career Technical Education “Declared” Programs
Offered in
Baldwin County High Schools
2024 - 2025

Baldwin County High School

1. General Agriculture
2. Health Science – Sports Medicine
3. JROTC - Airforce
4. Marketing

Daphne High School

1. Business Information Technology
2. General Agriculture
3. JROTC - Airforce
4. Restaurant and Food Beverage Services

Elberta High School

1. Food, Wellness & Dietetics
2. General Agriculture
3. JROTC - Navy
4. Marketing

Fairhope High School

1. Animal Science
2. CTE Engineering
3. Educators in Training Program
4. Family & Consumer Science
5. Marketing

Foley High School

1. CTE Engineering
2. Educators in Training Program
3. General Agriculture
4. Health Science – Sports Medicine
5. JROTC - Airforce
6. Marketing
7. Real Estate Sales
8. Sports, Recreation & Attractions

Robertsdale High School

1. Business Information Technology
2. Fashion
3. General Agriculture
4. Interior Design/Real Estate
5. JROTC - Navy
6. Marketing

Spanish Fort High School

1. CTE Engineering
2. Food, Wellness & Dietetics
3. Health Science – Sports Medicine
4. Marketing
5. JROTC - Airforce

Baldwin Preparatory Academy

1. Advertising & Design
2. Automotive Technology
3. Aviation
4. Baldwin County Teacher Academy
5. Construction Technology
6. Cosmetology and Barbering
7. Cybersecurity
8. Electrical
9. Health Science
10. Heating, Ventilation, and Air Conditioning
11. Mechatronics
12. Plumbing
13. Restaurant and Food Beverage Services
14. Welding Technology

Career Technical Courses
Offered at
Baldwin County High Schools

The following is a listing of courses which are offered **on high school campuses** throughout the school district. Some courses may not be offered at every school campus due to the distribution of human resources, existing facilities, and/or demand.

AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER

| Career Pathway Program | General Agriculture Program (Must teach three courses from this program list within two years) (Offered at BCHS, DPHS, FLYH, RBDS, ELBH) | | |
|------------------------|---|--|---|
| | 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 Number | Career Program Pathway Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 18003G1001 | Fundamentals of Agriscience | <ul style="list-style-type: none"> • Adult Beef Quality Assurance (The following three areas required): <ol style="list-style-type: none"> 1. Cow/Calf 2. Feed yard 3. Stocker • Aquaculture Training and Online Learning (ATOLL) Aquaculture or Aquaponics • Briggs and Stratton Technician (Two of the following areas required) <ol style="list-style-type: none"> 1. Theory of Operation 2. Carburetors and Fuel Systems 3. Governors 4. Compression 5. Ignition Systems • Construction and Skilled Trade Assessment (CAST) • Ducks Unlimited Ecology Conservation and Management Certification • FAA Part 107 • Forestry Worker Certification • Home Builders Association of Alabama Residential Construction Skills Certification • Integrated Pest Management Certification • Landscape Design (LD) Permit • Landscape Design and Plant Materials Certification • Landscape Management Technician • MSSC – Certified Production Technician (CPT): Each module will count as a CRI. The CPT 4.0 program consists of five individual certificate assessments: <ol style="list-style-type: none"> 1. Safety 2. Quality Practices & Measurement 3. Manufacturing Processes & | <ul style="list-style-type: none"> • Agricultural Engineer • Agricultural Equipment Operator • Agricultural Sales • Agriscience Teacher • Construction Laborer • Construction Manager • Electrician • Farm Equipment Mechanics and Service Technicians • Farmworkers, Farm, Ranch, and Aquacultural Animals • First-Line Supervisors of Farming, Fishing, and Forestry Workers • Food Quality Assurance • HVAC Technician • Industrial Maintenance Technician • Maintenance Technician • Plumber • Post-Secondary Agricultural Sciences Teacher • Refuse and Recyclable Material Collectors • USDA Inspector • Warehouse Facility Manager • Water and Wastewater Treatment Plant and System Operators • Welder |
| 18003G1002 | Intermediate Agriscience | | |
| 18003G1003 | Advanced Agriscience | | |
| 18003G1004 | Applied Agriscience | | |
| 18004G1001 | Agribiology | | |
| 18401G1000 | Agricultural and Biosystems Engineering | | |
| 18402G1001 | Agricultural Industrial Maintenance | | |
| 18205G1000 | Agricultural Communications and Technology | | |
| 18204G1000 | Agricultural Marketing and Management | | |
| 19254G1000 | Food Safety and Microbiology – Science Credit Eligible | | |
| 18502G1001 | Forestry | | |
| 18052G1001 | Horticulture Science | | |
| 18403G1000 | Introduction to Agricultural Construction | | |
| 18501G1002 | Introduction to Animal and Dairy Science | | |
| 18997G1000 | CTE Lab in AFNR | | |
| 18998G1000 | Career Pathway Project in AFNR (Must successfully complete any two courses in the AFNR Cluster as a prerequisite to this course) | | |
| | | | |

| | | | |
|--|--|---|--|
| | | Production 5. Maintenance Awareness <ul style="list-style-type: none"> • NCCER Core (module 6 is an elective and not required for CRI) • Skid Steer – Skills for Success • Specialty Crops • Urban Forestry Technician | |
|--|--|---|--|

| Career Pathway Program | Animal Science Program (Must teach three courses from this program list within two years) (Offered at FHPH) This program is designed to provide students with an understanding of livestock management, veterinary science, poultry science, equine science, and food processing. | | |
|------------------------|---|---|---|
| | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 18004G1001 | Agribiology – Science Credit Eligible | <ul style="list-style-type: none"> • Adult Beef Quality Assurance (The following three areas are required): <ul style="list-style-type: none"> o Cow/Calf o Stocker o Feed yard • Aquaculture Training and Online Learning (ATOLL) Aquaculture or Aquaponics • Elanco Veterinary Medical Applications Certification • MSSC – Certified Production Technician (CPT): Each module will count as a CRI. The CPT 4.0 program consists of five individual certificate assessments: <ol style="list-style-type: none"> 1. Safety 2. Quality Practices & Measurement 3. Manufacturing Processes & Production 4. Maintenance Awareness • NCCER Core (module 6 is an elective and not required for CRI) • Skid Steer – Skills for Success | <ul style="list-style-type: none"> • Ag Field Service Representative • Agricultural Equipment Operators • Agricultural Sales • Artificial Insemination Technician • Farm Products Purchasing Agent • Farm Worker • Farmers, Ranchers, and Other Agricultural Managers • Farmworkers, Farm, Ranch, and Aquacultural Animals • Food Quality Assurance • Food Science Technician • Laborers and Freight, Stock, and Material Movers, Hand • Livestock Manager • Non-Farm Animal Worker • Poultry Operator • USDA Inspector • Veterinarian • Veterinary Technician |
| 18003G1003 | Advanced Agriscience | | |
| 18401G1000 | Agricultural and Biosystems Engineering | | |
| 18402G1001 | Agricultural Industrial Maintenance | | |
| 18003G1001 | Fundamentals of Agriscience | | |
| 19254G1000 | Food Safety and Microbiology - Science Credit Eligible | | |
| 18306G1002 | Aquaculture Science - Science Credit Eligible | | |
| 18306G1003 | Aquatic Biology | | |
| 18104G1000 | Equine Science | | |
| 18101G1000 | Poultry Science | | |
| 18105G1012 | Introduction to Veterinary Science | | |
| 18105G1022 | Veterinary Science | | |
| 18501G1002 | Introduction to Animal and Dairy Science | | |
| 18402G1000 | Poultry Industrial Maintenance Requires Agricultural Industrial Maintenance as a prerequisite) | | |
| 18997G1000 | CTE Lab in AFNR | | |
| 18998G1000 | Career Pathway Project in AFNR | | |

| Career Pathway Program | Plant Science Program (Must teach three courses from this program list within two years) This program is designed to provide students with an understanding of the greenhouse, horticulture, and nursery/landscape industries. | | |
|------------------------|---|--|---|
| | Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) In Demand Occupations |
| | 18004G1001 | Agribiology - Science Credit Eligible | <ul style="list-style-type: none"> • Forestry Worker Certification • Integrated Pest Management Certification • Landscape Design (LD) Permit • Landscape Design and Plant Materials Certification • Landscape Management Technician • Setting of Landscape Plants (SLP) Permit • MSSC – Certified Production Technician (CPT): Each module will count as a CRI. The CPT 4.0 program consists of five individual certificate assessments: <ol style="list-style-type: none"> 1. Safety 2. Quality Practices & Measurement 3. Manufacturing Processes & Production 4. Maintenance Awareness • Specialty Crops • Tree Surgery (TS) Permit • Turfgrass Management Certification • Urban Forestry Technician <ul style="list-style-type: none"> • Agronomy Sales • Chemical Engineer • Conservation Scientists • Event Planner • Florist • Florist Worker • Forest and Conservation Workers • Golf Course Superintendent • Lab Technician • Landscape Designer • Landscaping and Groundskeeping Workers • Pest Control Worker • Pesticide Handlers, Sprayers, and Applicators, Vegetation • Soil Scientist • Turfgrass Producer |
| | 18401G1000 | Agricultural and Biosystems Engineering | |
| | 18402G1001 | Agricultural Industrial Maintenance | |
| | 18502G1005 | Dendrology | |
| | 18056G1002 | Floriculture and Floral Design | |
| | 19254G1000 | Food Safety and Microbiology - Science Credit Eligible | |
| | 18502G1001 | Forestry | |
| | 18402G1002 | Forestry Industrial Maintenance | |
| | 18003G1001 | Fundamentals of Agriscience | |
| | 18003G1002 | Intermediate Agriscience | |
| | 18052G1002 | Greenhouse and Nursery Production | |
| | 18052G1001 | Horticulture Science | |
| | 18056G1001 | Landscape Design and Management | |
| | 18308G1002 | Plant Biotechnology - Science Credit Eligible | |
| | 18054G1000 | Turfgrass Management | |
| | 18502G1002 | Urban Forestry | |
| | 18997G1000 | CTE Lab in AFNR | |
| | 18998G1000 | Career Pathway Project in AFNR | |

| Career Pathway Program | Environmental and Natural Resources Program (Must teach three courses from this program list within two years) This program is designed to provide students with an understanding of the science and management of natural resources. | | |
|------------------------|--|---|--|
| | Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) In Demand Occupations |
| | 18004G1001 | Agribiology | <ul style="list-style-type: none"> • Bulldozer – Skills for Success • Ducks Unlimited Ecology • Conservation and Management Certification • FAA part 107 • Forestry Worker Certification • Integrated Pest Management Certification • MSSC – Certified Production Technician (CPT): Each module will count as a CRI. The CPT 4.0 program consists of five <ul style="list-style-type: none"> • Environmental Engineer • Environmental Engineering Technicians • Environmental Science and Protection Technicians, Including Health • Environmental Science Teachers, Postsecondary • Forest and Conservation Technicians • Conservation Officer • Forester |
| | 18401G1000 | Agricultural and Biosystems Engineering | |
| | 18402G1001 | Agricultural Industrial Maintenance | |
| | 18997G1000 | CTE Lab in AFNR | |
| | 18998G1000 | Career Pathway Project in AFNR | |
| | 18502G1005 | Dendrology | |
| | 18504G1000 | Environmental Management | |
| | 18501G1001 | Fish and Wildlife Management | |
| | 18502G1001 | Forestry | |
| | 18402G1002 | Forestry Industrial Maintenance | |

| | | | |
|------------|---|---|--|
| 18003G1001 | Fundamentals of Agriscience | individual certificate assessments: • NCCER Core (module 6 is an elective and not required for CRI) • Tree Surgery (TS) Permit • Urban Forestry Technician | • Hazardous Materials Removal Workers • Hunters and Trappers • Lab Technician • Logger • Professional Fisherman • Recreation Worker • Refuse and Recyclable Material Collectors • Soil Scientist • Water and Wastewater Treatment Plant and System Operators • Wildlife Biologist |
| 18003G1002 | Intermediate Agriscience | | |
| 18502G1002 | Urban Forestry | | |
| 18502G1006 | Wildland Firefighting and Controlled Fire | | |

| Career Pathway Program | Industrial Agriculture Program (Must teach three courses from this program list within two years) | | |
|------------------------|---|--|--|
| | This program is designed to provide students with a general understanding of agricultural power equipment and modern construction and building practices along with a basic understanding of metal fabrication and welding. | | |
| Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 18401G1000 | Agricultural and Biosystems Engineering | • Asphalt Roller – Skills for Success • Briggs and Stratton Technician (Two of the following areas required) 1. Theory of Operation 2. Carburetors and Fuel Systems 3. Governors 4. Compression 5. Ignition Systems • Bulldozer – Skills for Success • Construction and Skilled Trade Assessment (CAST) • Home Builders Association of Alabama Residential Construction Skills Certification • Meat Cutter – Skills for Success • NCCER Carpentry Level 1 • NCCER Core (module 6 is an elective and not required for CRI) • MSSC – Certified Production Technician (CPT): Each module will count as a CRI. The CPT 4.0 program consists of five individual certificate assessments: • Skid Steer – Skills for Success • NCCER Welding Level 1 | • Agricultural Contractor • Agricultural Engineer • Automotive Service • Technicians and Mechanics • Construction Laborer • Construction Manager • Electrician • Farm Equipment Mechanics and Service Technicians • • First-Line Supervisors of Mechanics, Installers, and Repairers • • HVAC Technician • Industrial Maintenance Technician • • Mechanical Drafter • Mobile Heavy Equipment Mechanics, Except Engines • Pipe Layer • Plumber • Tire Repairers and Changers • Welder |
| 18449G1003 | Agricultural Engines | | |
| 18402G1001 | Agricultural Industrial Maintenance | | |
| 18404G1001 | Agricultural Welding I | | |
| 18404G1002 | Agricultural Welding 2 | | |
| 18003G1004 | Applied Agriscience | | |
| 18003G1001 | Fundamentals of Agriscience | | |
| 18010G1001 | Introduction to Agricultural Wiring | | |
| 18011G1000 | Construction Finishing and Interior Systems | | |
| 18004G1000 | Construction Framing | | |
| 18014G1000 | Construction Site Prep and Foundations | | |
| 18402G1002 | Forestry Industrial Maintenance | | |
| 18003G1002 | Intermediate Agriscience | | |
| 18403G1000 | Introduction to Agricultural Construction | | |
| 18402G1000 | Poultry Industrial Maintenance | | |
| 20110G1003 | Residential and Commercial Power Equipment | | |
| 18997G1000 | CTE Lab in AFNR | | |
| 18998G1000 | Career Pathway Project in AFNR | | |

Fundamentals of Agriscience

SDE# 18003G1001

1 term/1 credit
Grades 9-1
Fee: \$20.00

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.

Intermediate Agriscience

SDE# 18003G1002

1 term/1 credit
Grades 9-12
Fees: \$20.00

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.

Advanced Agriscience

SDE# 18003G1003

1 term/1 credit
Grades 9-12
Fees: \$20.00

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.

Applied Agriscience

SDE# 18003G1003

1 term/1 credit
Grades 9-12
Fee \$20.00

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.

Agrobiology

SDE# 18004G1001

1 term/1 credit
Grades 9-12
Fee \$20.00

Agrobiology 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.

Agricultural and Biosystems Engineering

SDE# 18401G1000

1 term/1 credit
Grades 9-12
Fee \$20.00

Agricultural and Biosystems Engineering is an applied course that prepares students for further study or careers in engineering, environmental science, agricultural design and research, and agricultural

mechanics. Special emphasis is given to the many applications of geographic information systems (GIS) and global positioning systems (GPS) to achieve various agricultural goals. Upon completion of this course, proficient students will be able to pursue advanced training in agricultural engineering and related fields at a postsecondary institution.

Agricultural Industrial Maintenance

SDE# 18402G1001

1 term/1credit
Grades 9-12
Fee \$20.00

Agricultural Industrial Maintenance prepares students for entry-level employment or advanced training in the agricultural industrial maintenance technologies field. Topics include proper use of power and stationary equipment; interpretation of technical information; basic electricity, construction, plumbing, hydraulics, and pneumatics; basic mechanical theory and application; basic welding theory, setup, and application for metal inert gas (MIG), tungsten inert gas (TIG), and shielded metal arc welding (SMAW); basic oxy-fuel use, setup and application; and basic plasma theory, setup, and application. This course is designed to be taught as a prerequisite for Poultry Industrial Maintenance and Forestry Industrial Maintenance.

Agricultural Communication and Technology

SDE# 18205G1000

1 term/1credit
Grades 9-12
Fee \$20.00

Agriculture Communications and Technology allows students to explore careers in the agricultural communications field, develop effective communication skills, utilize technology in communications, and develop leadership abilities and employment skills for use in agribusiness. Topics include personal communication, media communication, technology, and leadership.

Agricultural Marketing & Management

SDE# 18204G1000

1 term/1 credit
Grades 9-12
Fees: \$20.00

Agriculture Marketing and Management allows students to explore and apply principles, processes, and skills in marketing and management in agribusiness settings. Topics include technologies in marketing, record-keeping, financing, agribusiness, and sales and marketing.

Food Safety and Microbiology

SDE# 19254G1000

1 term/1credit
Grades 9-12
Fee \$20.00

Food Safety and Microbiology is a specialized area of study focusing on pathogens and spoilage microorganisms in foods, the conditions under which they grow, and conditions under which they are commonly inactivated, killed, or made harmless; principles involved in food fermentation; the role of food in immunology; effective sanitation practices to control pathogen and microbial growth in food; principles involved in food preservation; grade classifications of meat and produce; and microbial analysis to determine food quality.

Forestry

SDE# 18502G1001

1 term/1 credit
Grades 9-12
Fees: \$20.00

Forestry is a course designed to enable students to become knowledgeable of forestry and wood technology. Students acquire an appreciation for increased emphasis on managing and conserving forests for the future. Topics include career opportunities, safety, history, dendrology, tree measurement, mapping, silviculture, forest products, and forest protection.

Horticultural Science
SDE# 18052G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Topics in Horticultural Science include career opportunities, safety, plant physiology, growing media, greenhouse facilities, greenhouse and nursery crop production, plant identification and classification, pest management, hydroponics and vegetable gardening, and technological applications.

Aquaculture Science
SDE# 18306G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

A one-credit course designed to introduce students to physical and biological concepts and skills in aquaculture. Emphasis is placed on integration of knowledge to solve problems and broaden depth of understanding about water chemistry and management, aquaculture systems, aquatic biology, and health and sanitation. *Can be used to satisfy the fourth science requirement. Consideration should be given for college science requirements.

Dendrology
SDE# 18502G1005

1 term/1 credit
Grades 9-12
Fee: \$20.00

A one-credit course designed to enable the student to become knowledgeable in the physiology, ecology, silviculture, scientific nomenclature, taxonomy, identification, and use of common woody plants of Alabama. Emphasis is placed on native, non-native, threatened/endangered, and invasive species, trees, shrubs, and woody vines.

Introduction to Agricultural Construction
SDE# 18403G1000

1 term/1 credit
Grades 9-12
Fees: \$20.00

Introduction to Agricultural Construction provides students with an overview of framing and building a structure. Topics include lumber, metal, material estimation, floor systems, framing systems (ceiling, wall, roof), and roofing materials for various structures.

Introduction to Animal and Dairy Science
SDE #18501G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

Introduction to Animal and Dairy Science introduces students to the field of livestock production and animal health and welfare. Students participate in activities related to the animal science field as they study the importance of the livestock industry, breed identification and characteristics, nutrition, disease and parasite control, genetics and reproduction, animal rights versus animal welfare, specialty animal production and animal products, livestock facilities and transportation, and regulatory agencies.

Aquatic Biology
SDE# 18306G1003

1 term/1 credit
Grades 9-12
Fee \$20.00

Aquatic Biology explores the aquaculture industry as it relates to biology. Emphasis is placed on scientific concepts involving the use of microscopes and the conversion of unit measurements. Topics include history, aquatic species, water management, health and sanitation, biotechnology, and aquaculture issues.

Equine Science

SDE# 18104G1000

1 term/1credit
Grades 9-12
Fee \$20.00

Equine Science enables students to become knowledgeable about caring for and managing horses. Topics include safety, history and development, anatomy and physiology, nutrition, health, and selection and conformation. Students also learn about tools, tack, and facilities necessary for the proper care of horses.

Poultry Science

SDE# 18101G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

A one-credit course that provides students with instruction and opportunities to participate in hands-on activities in areas of safety, environmental issues, breeds of poultry, nutrition and disease prevention, consumer issues, biotechnological advancement, and management and marketing practices.

Introduction to Veterinary Science

SDE# 18105G1012

1 term/1credit
Grades 9-12
Fee \$20.00

Veterinary Science is designed to prepare students for entry-level employment or for advanced training as veterinary assistants. Topics include safety, medical terminology, scientific classification, health and disease, anatomy, and physiology, applied clinical mathematics, anesthesiology and basic surgical procedures, business management practices, veterinary law and ethics, and applications of technology.

Veterinary Science

SDE# 18105G1022

1 term/1 credit
Grades 9-12
Fee: \$20.00

A one-credit course designed to prepare students for entry-level employment or advanced training in the veterinary assisting industry. Emphasis is placed on reproduction, genetics, hormones, growth disorders, animal anesthesiology, basic surgery procedures, health management, business management, and technology.

Poultry Industrial Maintenance

SDE# 18402G1000

1 term/1credit
Grades 9-12
Fee \$20.00

Poultry Industrial Maintenance prepares students for entry-level employment or advanced training in the poultry industrial maintenance technologies field. Topics include identification and proper use of power and stationary equipment, interpreting technical information, electricity, construction, plumbing, mechanical theory and application, pneumatics, hydraulics, and refrigeration.

CTE Lab in Agriculture, Food & Natural Resources

SDE# 18997G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Career Pathway Project in AFNR

SDE# 18998G1000

1 term/1 credit
Grades 9-12
Fee \$20.00

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

Fish & Wildlife Management

SDE# 18501G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Fish and Wildlife Management is a course that provides students with the opportunity to become knowledgeable about some of today's most valued, yet vulnerable, natural resources. Topics included in the course are career opportunities, outdoor safety, history, issues, classification, fish and wildlife ecology, fish and wildlife management, endangered species, fish and wildlife pest management, and outdoor recreation.

Floriculture and Floral Design

SDE# 18056G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

Floriculture and Floral Design prepares students to work in or operate a retail floral design business and introduces students to the basics of growing flowers for retail sale. Topics include history, floral structures, floral propagation, floral growth requirements and identification, pest management, handling procedures, elements of design, design mechanics, and business operations.

Greenhouse and Nursery Production

SDE# 18052G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

Greenhouse Production and Management is a course relating to the production of greenhouse crops. Topics include career opportunities, safety, plant propagation, growing media, plant identification, greenhouse production, pest control, business management, and equipment and facilities. The hands-on approach to learning is a key component in this course.

Landscape Design and Management

SDE# 18056G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

The landscape design and management sector of the horticulture industry is a growing area in Agriscience. Landscapers influence our lives as well as the Earth's ecosystem. This course allows students to become more knowledgeable about and appreciative of landscape design and management. Topics include career opportunities, safety, landscape design, plant selection, landscape growth and the environment, landscape establishment and management, interior plant scaping and xeriscaping, landscape business management, and technology.

Turf Management

SDE# 18054G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

Turfgrass Management prepares students to install and maintain turfgrass in a variety of settings. Topics in Turfgrass Management include turfgrass identification, establishment, maintenance, tools and equipment, and business management.

Construction Finishing & Interior Systems

SDE# 18011G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

A one-credit course designed to provide instruction on the exterior and interior finishing phases of a structure.

Construction Framing

SDE# 18004G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

Construction Framing is a course designed to facilitate student understanding of the framing phase of a structure. Students become familiar with the framing components of a structure. Topics include career opportunities, safety, lumber, material estimation, floor systems, wall framing, ceiling framing, stair construction, roof framing, and roof materials in various structures.

Construction Site Prep & Foundation

SDE# 18014G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

A one-credit course designed to facilitate students' understanding of the first phases of construction including types of structures and their uses.

Forest Industrial Maintenance

SDE# 18402G1002

1 term/1 credit
Grades 9-12
Fee \$20.00

Forestry Industrial Maintenance is designed to prepare students for entry-level employment or advanced training in the forestry industrial maintenance field. Topics include hand tool safety, use of power equipment, interpreting technical information, basic electricity, basic pneumatics, basic hydraulics, basic welding theory and setup for MIG, TIG, and SMAW, basic oxyfuel use and setup, and basic plasma arc theory and setup.

Urban Forestry

SDE# 18502G1002

1 term/1 credit
Grades 9-12
Fee \$20.00

Urban Forestry is designed to enable students to acquire forestry knowledge and skills for use in an urban setting. Topics include safety, climbing and rigging, urban tree management, and tree disorders.

Plant Biotechnology

SDE# 18308G1002

1 term/1 credit
Grades 9-12
Fee \$20.00

Plant Biotechnology familiarizes students with botany and plant biotechnology. Topics include plant classification, plant cells and tissues, needs, responses to stimuli, importance of plants, plant disease, biotechnology advancement, and applied genetics and biotechnology concepts.

Environmental Management

SDE# 18504G1000

1 term/1 credit

Grades 9-12

Fee: \$20.00

Environmental Management provides students with the opportunity to develop an understanding of the principles and practices involved in controlling damage to the natural environment. Topics include ecology, natural resources, water quality, soil science, air quality, waste management, and chemical use and management.

Agricultural Engines

SDE# 18449G1003

1 term/1credit

Grades 9-12

Fee \$20.00

Agricultural Engines is designed to prepare students for entry-level employment or advanced training in the agricultural industrial technologies field. Topics include tools, four-stroke engines, two-stroke engines, cooling systems, preventive maintenance, engine overhaul, exhaust systems, and engine repair estimation.

Agricultural Welding I

SDE# 18404G1001

1 term/1credit

Grades 9-12

Fee \$20.00

Agricultural Welding I provides students with opportunities to become familiar with basic safety and technical information in metal fabrication and to participate in hands-on activities in the laboratory. Topics include tools and equipment, metal preparation, metal cutting, weld quality, and shielded metal arc welding (SMAW).

Agricultural Welding II

SDE# 18404G1001

1 term/1credit

Grades 9-12

Fee \$20.00

Agricultural Welding II provides students with opportunities to become familiar with safety, technical information, and fabrication, and to participate in hands-on activities in the lab utilizing the welding processes of Metal Inert Gas (MIG), Tungsten Inert Gas (TIG), and Flux Cored Arc Welding (FCAW). Topics include metal structures; identification and selection of tools, supplies, and equipment; and weld quality.

Introduction to Agricultural Wiring

SDE# 18010G1001

1 term/1credit

Grades 9-12

Fee \$20.00

Introduction to Agricultural Wiring is designed to provide students with fundamental knowledge and skills in agricultural wiring. This course covers safety, proper tool use, grounding, conduit, boxes and fittings, conductor installation, conductor termination and splices, installation of electrical services, circuit breakers and fuses, and agricultural wiring systems. Upon successful completion of this course, students can wire a building with limited supervision.

Residential and Commercial Power Equipment

SDE# 20110G1003

1 term/1credit

Grades 9-12

Fee \$20.00

Residential and Commercial Power Equipment prepares students for entry-level employment or advanced training in the field of power equipment mechanics. Topics include lawn machines chassis, chain saw, string trimmer, tillers, generators, pumps, Environmental Protection Agency (EPA) pollution controls, electrical systems, and electrical system repair on power equipment.

Wildland Firefighting and Controlled Fire
SDE# 18502G1006

1 term/1credit
Grades 9-12
Fee \$20.00

Wildland Firefighting and Controlled Fire is designed to give students a working knowledge of wildland firefighting and the use of controlled fires on forest lands. Topics include firefighting terminology, topography, fire behavior, personal protective equipment, chain of command, firefighting tools and equipment, suppression tactics, property preservation techniques, and prescribed burning.

Poultry Industrial Maintenance
SDE# 18402G1000

1 term/1credit
Grades 9-12
Fee \$20.00

Poultry Industrial Maintenance prepares students for entry-level employment or advanced training in the poultry industrial maintenance technologies field. Topics include identification and proper use of power and stationary equipment, interpreting technical information, electricity, construction, plumbing, mechanical theory and application, pneumatics, hydraulics, and refrigeration.

BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER

| Career Pathway Program | Business Information Technology Program (Must teach three courses from this program list within two years.) (Offered at DPHS and RBDH) This program is for students who are interested in pursuing careers in business information technology. Courses provide an overview of career opportunities, which are available in every sector of the economy and require specific skills in basic computer programming, print and digital media, information management, and other effective uses of technology. | | |
|------------------------|--|---|--|
| | Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) In Demand Occupations |
| | 10019E1000 | AP Computer Science Principles* | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – Dreamweaver • Adobe Certified Associate (ACA) – Illustrator • Adobe Certified Associate (ACA) – InDesign • Adobe Certified Associate (ACA) – Photoshop • Adobe Certified Associate (ACA) – Premier Pro • ASK Institute – Concepts of Entrepreneurship and Management • ASK Institute – Concepts of Business Management • ASK Institute – Concepts of Entrepreneurship • Certified Internet Web (CIW) - JavaScript Specialist <ul style="list-style-type: none"> • Chief Executive Officer • Entrepreneur • General Manager • Human Resources Manager • Training and Development • Specialist • Labor and Personnel Relations Specialist • Executive Assistant • Office Manager • Receptionist • Business and Development Manager • Operations Analyst • Management Analyst • Legal Secretary |
| | 10157E1000 | AP Computer Science A* | |
| | 12002G1002 | Business Essentials | |
| | 10005G1001 | Business Software Applications I | |
| | 10005G1002 | Business Software Applications II | |
| | 12047G1001 | Career Pathway Project – Business Management and Administration | |
| | 22153G1000 | Career Preparedness | |
| | 10205G1001 | Computer Game & Simulation Programming | |
| | 10151G1001 | Computer Science for Business* | |
| | 22998G1014 | Cooperative Education | |
| | 12047G1002 | CTE Lab in Business Management & Administration | |

| | | | |
|---|---|--|--|
| 10052G1001 | Data Analytics | <ul style="list-style-type: none"> • Certiport – Entrepreneurship and Small Business (must hold concentrator status) • Certiport Information Technology Specialist (ITS) HTML5 Application Development • Certiport Information Technology Specialist (ITS) Databases • Certiport Information Technology Specialist (ITS) Software Development • Certiport Information Technology Specialist (ITS) HTML & CSS • Certiport Information Technology Specialist (ITS) JavaScript • Certiport Information Technology Specialist (ITS) Java • Certiport Information Technology Specialist (ITS) Python • Fiber Optics – Skills for Success • IC3 Global Standard 6 (or higher) Three Exams Required • Microsoft Office – Access Expert 2019/O365 • Microsoft Office – Excel Expert 2019/O365 • Microsoft Office – Word Expert 2019/O365 • Microsoft Office Specialist – Associate 2019/O365 (MOS) (Two of the following areas REQUIRED) <ul style="list-style-type: none"> o Excel Associate o Outlook Associate o PowerPoint Associate o Word Associate • Oracle Certified Associate (OCA) – Java Programmer | |
| 11153G1001 | Digital Media Design | | |
| 11153G1002 | Digital Publications Design | | |
| 10012G1001 | Exploring Computer Science* | | |
| 10051G1001 | Information Management | | |
| 10012G1002 | Introduction to Computer Science – TEALS* | | |
| 10206G1001 | Mobile Application Development* | | |
| 05254G1004 | Web Development | | |
| *Instructor must complete high quality professional development/training or certification to teach this course. | | | |

| Management Program (Must teach three courses from this program list within two years) This program is for students who are interested in pursuing careers in management. Courses provide an overview of career opportunities, which are available in every sector of the economy and require specific skills that plan, organize, direct, and evaluate all or part of a business organization through allocation and use of financial, human and material resources, and effective use of technology. | | | |
|---|---|--|---|
| Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 12002G1002 | Business Essentials | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – Photoshop • Adobe Certified Associate (ACA) – Dreamweaver • Adobe Certified Associate (ACA) – Flash • Adobe Certified Associate (ACA) – Premier Pro | <ul style="list-style-type: none"> • Chief Executive Officer • Entrepreneur • General Manager • Human Resources Manager • Training and Development • Specialist |
| 10005G1001 | Business Software Applications I | | |
| 12047G1003 | Career Pathway Project – Business Management and Administration | | |
| 22153G1000 | Career Preparedness | | |
| 22998G1014 | Cooperative Education | | |

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|------------|---|--|--|
| 12047G1002 | CTE Lab in Business Management & Administration | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – InDesign | <ul style="list-style-type: none"> • Labor and Personnel Relations Specialist |
| 12166G1002 | Customer Service and Sales – 1 credit | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – Illustrator | <ul style="list-style-type: none"> • Executive Assistant |
| 10052G1001 | Data Analytics | <ul style="list-style-type: none"> • ASK Institute – Concepts of Entrepreneurship and Management | <ul style="list-style-type: none"> • Office Manager |
| 16202G1001 | Economics and Financial Services | <ul style="list-style-type: none"> • ASK Institute – Fundamental Business Concepts | <ul style="list-style-type: none"> • Receptionist |
| 12053G1000 | Entrepreneurship | <ul style="list-style-type: none"> • ASK Institute – Concepts of Business Management | <ul style="list-style-type: none"> • Business and Development Manager |
| 16202G1001 | Event Planning and Management | <ul style="list-style-type: none"> • Certiport- Entrepreneurship and Small Business (must hold concentrator status) | <ul style="list-style-type: none"> • Operations Analyst |
| 12051G1000 | Foundations of Business Leadership | <ul style="list-style-type: none"> • Certiport Information Technology Specialist (ITS) Databases | <ul style="list-style-type: none"> • Management Analyst |
| 12159G1001 | Hospitality Management & Marketing | <ul style="list-style-type: none"> • IC³ Global Standard 6 (or higher) Three Exams Required | <ul style="list-style-type: none"> • Legal Secretary |
| 12058G1001 | Human Resource Management – 1 credit | <ul style="list-style-type: none"> • Microsoft Office – Access Expert | |
| 12056G1001 | International Business Concepts – 1 credit | <ul style="list-style-type: none"> • 2019/0365 | |
| 12002G1003 | Project Management | <ul style="list-style-type: none"> • Microsoft Office – Excel Expert 2019/0365 | |
| | | <ul style="list-style-type: none"> • Microsoft Office – Word Expert 2019/0365 • Microsoft Office Specialist - Associate 2019/0365 (MOS) (Two of the following areas REQUIRED) <ul style="list-style-type: none"> ○ Excel Associate ○ Outlook Associate ○ PowerPoint Associate ○ Word Associate • National Retail Federation – National • Professional Certification in Customer Service and Sales | |

| Career Pathway Program | Business Administrative Services Program (Must teach three courses from this program list within two years) | | |
|------------------------|---|---|--|
| | This program is for students who are interested in pursuing careers in business administration and management. Courses provide an overview of career opportunities, which are available in every sector of the economy and requires specific skills in organization, time management, customer service, communication, and effective use of technology. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 02154G1001 | Business and Consumer Mathematics | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – Dreamweaver | <ul style="list-style-type: none"> • Business and Development Manager |
| 12054G1001 | Business and Legal Concepts – 1 credit | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – Illustrator | <ul style="list-style-type: none"> • Chief Executive Officer Entrepreneur |
| 12009G1001 | Business Communications – 1 credit | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – InDesign | <ul style="list-style-type: none"> • Executive Assistant General Manager |
| 12002G1002 | Business Essentials | | |
| 10005G1001 | Business Software Applications I | | |
| 10005G1002 | Business Software Applications II | | |

| | | | |
|------------|---|---|---|
| 12047G1003 | Career Pathway Project – Business Management and Administration | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – Photoshop • Adobe Certified Associate (ACA) – Premier Pro • ASK Institute – Concepts of Business Management • ASK Institute – Concepts of Entrepreneurship • ASK Institute – Fundamental Business Concepts • Certiport – Entrepreneurship and Small Business(must hold concentratorstatus) • IC3 Global Standard 6 (or higher) Three Exams Required • Microsoft Office – Access Expert 2019/0365 • Microsoft Office – Excel Expert 2019/0365 • Microsoft Office – Word Expert 2019/0365 • Microsoft Office Specialist – Associate 2019/0365 (MOS) (Two of the following areas REQUIRED) <ul style="list-style-type: none"> o Excel Associate o Outlook Associate o PowerPoint Associate o Word Associate | <ul style="list-style-type: none"> • Human Resources Manager • Labor and Personnel Relations Specialist • Legal Secretary • Management Analyst • Office Manager • Operations Analyst • Receptionist • Training and Development Specialist |
| 22153G1000 | Career Preparedness | | |
| 22998G1014 | Cooperative Education | | |
| 12047G1002 | CTE Lab in Business Management & Administration | | |
| 12166G1002 | Customer Service and Sales – 1 credit | | |
| 12051G1000 | Foundations of Business Leadership | | |
| 12056G1001 | International Business Concepts – 1 credit | | |
| | | | |

Business and Consumer Mathematics

SDE# 02154G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Business and Consumer Mathematics is designed to build upon previous knowledge and skills to solve a variety of arithmetic problems that are commonly found in personal and business financial situations. Students develop the skills necessary to solve mathematical problems, analyze and interpret data, and use data to make sound decisions in business and personal financial situations. Topics include taxation, savings and investments, credit management, cash management, and financial statements.

Business and Legal Concepts

SDE# 12054G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Business and Legal Concepts emphasizes the ethical and legal dimensions of conducting business. The course focuses on application of ethical concepts, historical events that have shaped business law in the United States, the U.S. court systems, contracts, insurance, and various areas of law that impact business operations.

Business Communication

SDE# 12009G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Business Communications focuses on how employees and management interact with each other and with groups and individuals outside the organization to reach organizational goals, objectives, and activities. This course emphasizes oral, written, and digital communication techniques, and content is designed to encourage exploration of business ethics, teamwork, conflict resolution, and leadership skills. Content standards require the use of presentation and word processing software to create

business communications. Standards require proficiency in producing documents and multimedia presentations.

Business Essentials

SDE# 12002G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

Business Essentials is a foundation course. Students develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in commerce and information technology careers. Students examine current events to determine their impact on business and industry; legal and ethical behavior; acquire knowledge of safe and secure environmental controls to enhance productivity; determine how resources are managed to achieve company goals; and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethical and social responsibilities.

Business Software Applications I

SDE# 10005G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Business Software Applications I emphasize the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.

Business Software Applications II

SDE# 10005G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

Business Software Applications II focuses on advanced word processing and spreadsheet and database management skills using current and emerging integrated technology. These skills include a variety of input technologies in the production of professional quality business documents and reports. Performance and production skills for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are embedded in this course. Students will also gain industry-recognized credentials to document advanced computer skills needed for future education or employment plans.

Career Pathway Project – Business Management and Administration

SDE# 12047G1003

1 term/1 credit
Grades 9-12

Career Pathway Project (CPP) in Business Management and Administration is a capstone course designed for students who have earned two or more career and technical education credits from the same pathway in the Business Management and Administration 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 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.

Career Preparedness

SDE# 22153G1000

1 term/1 credit
Grades 9-12

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

Cooperative Education

SDE# 22998G1014

1 term/1 credit
Grades 9-12
Fee: \$20.00

Prerequisite: It is recommended, but not required, that a student obtain concentrator status, (two courses within a CTE program, and prior to enrollment in cooperative education. Students who have not obtained concentrator status must have successfully completed a minimum of one CTE credit. The Career Preparedness course will count as a Career Technical course regardless of the instructor's teacher certification. 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.

CTE Lab in Business Management & Administration

SDE# 12047G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Customer Service and Sales

SDE# 12166G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Foundations of Business Leadership

SDE# 12051G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

Foundations of Business Leadership focuses on the exploration of leadership and management to determine the impact of management practices on business and industry, management of expectations regarding legal and ethical behavior, and investigation of how resources are managed to achieve company goals. Standards are designed to emphasize principles of sound business management and the analysis of business practices to determine ethical and social responsibilities.

International Business Concepts

SDE# 12056G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

International Business Concepts is designed to provide an understanding of how and why businesses choose to expand their operations into other countries. This course presents challenges facing firms doing business internationally. The focus of course standards is on the exploration of advantages and

disadvantages of conducting business in a global marketplace. Course standards provide opportunities for students to learn about business operations in the global economy.

AP Computer Science Principles

SDE# 10019E1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

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.

AP Computer Science A

SDE# 10157E1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

A one credit college-level course following the curriculum established by the College Board Advanced Placement (AP) Program for computer science; emphasizes object-oriented programming methodology with a concentration on problem-solving and algorithm development.

Computer Gaming and Simulation Programming

SDE# 10205G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Computer Game and Simulation Programming standards are designed to equip students with the skills needed to prepare for higher education and for success in careers such as a computer game simulator, designer, programmer, or software developer. Interest and involvement in the gaming industry has grown substantially over the years. Professions in this industry require technical skill proficiency, competency-based applied learning, higher-order reasoning, teamwork, and problem-solving skills. The course integrates core academic subjects with elements of visual design, digital audio and video, storyboarding, and collaboration to attain the knowledge, skills, and attitudes necessary to compete successfully in the gaming production industry.

Computer Science for Business

SDE# 10151G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Computer Science for Business provides an understanding of basic computer programming concepts and logic for the business workforce. The course introduces programming through a variety of projects and object-based programming activities and applications. Business-related skills such as teamwork, interpersonal skills, and professionalism will be explored and demonstrated through project-based learning.

Data Analytics

SDE# 10052G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Data Analytics is a specialized course designed to introduce statistics and the application of statistics to business decision-making. It covers the design and development of financial applications using the tools available in statistical analysis software to analyze data and convert into useful information. It focuses on utilizing software applications and appropriate methods to collect data and provide clients with useful information to reach valid conclusions resulting in sound business decisions.

Digital Media Design
SDE# 11153G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Digital Media Design provides a creative, hands-on environment in which students collaborate to produce a variety of digital media projects. Students use various hardware, peripherals, software, and web-based tools to learn skills involving graphic design, digital photography, web design, and digital video production. Additionally, the standards are designed for students to engage in critical thinking skills and practice appropriate behavior in the use of technology. Emphasis is placed on exploring and demonstrating business-related skills such as teamwork, interpersonal skills, and ethics while completing their projects.

Digital Publications Designs
SDE# 11153G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

Digital Publications Design gives students marketable experience in both print and digital publishing. Emphasis is placed on page layout and design, computerized text, graphic art, digital photography, and the use of software to create a variety of publications.

Exploring Computer Science
SDE# 10012G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Exploring Computer Science is an introductory year-long high school computer science course for students in Grades 9-10 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 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. Prerequisite: It is recommended that students have completed Algebra I prior to enrolling or be concurrently enrolled in Algebra I. 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.

Information Management
SDE# 10051G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Information Management concerns a cycle of organizational activity: the acquisition of information from one or more sources, the custodianship, and the distribution of that information to those who need it, and its ultimate disposition through archiving or deletion. This course focuses on key components of information systems and information management and how each is utilized in business.

Introduction to Computer Science – TEALS
SDE# 10012G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

Introduction to Computer Science – TEALS is a one-credit engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. Every unit culminates in a comprehensive project and roughly 75% of student time is spent building projects and practicing the skills they are learning.

Mobile Application Development

SDE# 10206G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Mobile Application Development is designed to equip students to create and develop mobile applications, which are both popular and important in education, entertainment, news, social dynamics, media, and general learning. This project-oriented course focuses on learning principles of basic design and development of mobile applications. This course will include analytical skills that mobile developers require for overall career success.

Web Development

SDE# 12008G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

Web Development covers web design, web publishing, web programming, and database management. Web development includes many types of web content creation, such as hand coding web pages in a text editor, building a website in a program, and updating a blog via a blogging website. This course includes exploring and demonstrating business-related skills such as teamwork, interpersonal skills, and ethical use of programs, resources, and materials while completing projects.

Economic and Financial Services

SDE# 16202G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Economics and Financial Services presents basic topics in economics, including the principles and practices of banking, credit, and consumer lending in the United States. Additional emphasis is placed on money management, economic growth and stability, and characteristics of different economic systems and financial institutions. The course includes the major functions of banks and other financial intermediaries, central banking and the Federal Reserve System, current trends in the finance industry, credit functions, principles of credit risk evaluation, loan creation, debt collection, and stocks and bonds.

Entrepreneurship

SDE# 12053G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Event Planning and Management

SDE# 16202G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Event Planning and Management is designed for students interested in learning to create and present gatherings for groups of people to enjoy or attend for corporate goals or individual benefits. The course emphasizes the many facets of this multi-billion-dollar industry, including site selection, financial management, time management, promotion, and catering. Students will organize, plan, and evaluate various meetings and events such as conferences, sporting events, weddings, and workshops.

Human Resource Management focuses on preparing students for employment in the human resources field. The course emphasizes understanding the impact of proper management of people as a resource in business and identifying and managing issues facing human resources professionals, such as globalization, diversity, new technologies, knowledgeable workers, and changing trends in the workplace.

EDUCATION AND TEACHING CLUSTER

| Career Pathway Program | Educators in Training Program (Must teach three courses from this program list within two years) (Offered at FHPH & FLYH) This program provides students with knowledge and skills needed for teaching and professional training consultant careers. Courses provide an overview of teaching and learning theories; curriculum development; teaching techniques; instructional resources and the use of technology; types of assessments; classroom management strategies; and ethics and professionalism. | | |
|-------------------------------|--|---|---|
| | Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) |
| | 19151G1001 | Foundation in Education – Required Foundation Course | <ul style="list-style-type: none"> • ASK Institute – Concepts of Business Management • ASK Institute – Concepts of Entrepreneurship • ETS Praxis Core Academic Skills • (Must pass Reading, Writing, and Mathematics) • Google Educator, Levels 1 and 2 • Praxis II: Principles of Learning and Teaching: Grades K-6 • Praxis II: Principles of Learning and Teaching: Grades 5-9 • Praxis II: Principles of Learning and Teaching: Grades 7-12 |
| | 19197G1004 | Career Pathway Project Education and Training | |
| | 19001G1001 | Careers in Education | |
| | 19151G1002 | Communication for Leaders | |
| | 19197G1002 | CTE Lab Education and Training | |
| | 19198G1000 | Education and Training Internship | |
| | 19152G1002 | Methods in Education | |
| | 19152G1001 | Practices in Education | |
| | | | <ul style="list-style-type: none"> • Adult Literacy, Remedial Education, and GED Teacher and Instructor • Associate Professor Higher Education • Coach and Scout • Education Administrator • Education Consultant • Educational, Guidance, School, and Vocational Counselor • Elementary, Middle, and Secondary • School Teacher, including Special • Education and CTE Teacher • Graduate Teaching Assistant • Instructional Coordinator • Librarian and Media Collection • Specialist • Teacher Assistant • Training and Development Specialist • Self-Enrichment Education Teacher |

Foundation in Education

SDE# 19151G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

Foundations in Education is the foundational course for both the Educators in Training and the Early Childhood Education programs. It presents a broad overview of the work of education professionals, the history of education, the roles and responsibilities of educators, strategies for creating and presenting engaging lessons and activities, methods of measuring student progress, and the domains of development. Foundations in Education is the gateway to specialized courses and internship opportunities in the Education and Training cluster. Observation opportunities are strongly encouraged.

Career Pathway Project Education and Training

SDE# 19197G1004

1 term/1 credit
Grades 10-12
Fee: \$20.00

Career Pathway Project (CPP) in Education and Training 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 prepare students for the workplace or for pursuing further education.

Careers in Education

SDE# 19001G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

Careers in Education is designed to introduce students to career opportunities and related skills within the Education and Training cluster. The course highlights the requirements, roles, and responsibilities of various personnel in the education and training field, including classroom teachers, non-teaching certified personnel, school administrators, special population professionals, social workers and counselors, athletics professionals, and auxiliary professionals.

Communication for Leaders

SDE# 19151G1002

1 term/1 credit
Grades 10-12
Fee: \$20.00

Communication for Leaders is designed to introduce students to the essential skills needed in leadership roles. The course focuses on communication, professionalism, leadership, and advocacy as the core competencies needed to lead effectively. Throughout this course, students will have opportunities to apply these skills across multiple disciplines.

CTE Lab in Education and Training

SDE# 19197G1002

1 term/1 credit
Grades 10-12
Fee: \$20.00

CTE Lab Education and Training is designed to enhance the student's general understanding and mastery of the cluster. This course is a learning laboratory that supports students' individual interests and goals. It may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.

Education and Training Internship

SDE# 19198G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

Education and Training Internship provides students with the opportunity to experience classroom teaching firsthand through an internship with a cooperating teacher. Standards require students to create and demonstrate lessons, collaborate with education professionals, and provide instruction and support to students in their internship classroom. This course is designed to provide future education professionals with valuable hands-on experience in the field.

Methods in Education

SDE# 19152G1002

1 term/1 credit
Grades 10-12
Fee: \$20.00

Methods in Education focuses on the role of educators as facilitators of learning. Students will explore the methods and strategies that enhance learning, as well as current trends in education and instructional technology. This course strongly emphasizes the sciences of literacy and numeracy. Students will apply their learning in the classroom and create research-based lessons and activities for a variety of populations.

Practices in Education

SDE# 19152G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

Practices in Education is designed to equip students with the skills and strategies necessary for providing effective classroom instruction. This course explores the following key topics: community partners and resources, teaching standards, characteristics of professionalism, professional organizations, instructional strategies, and planning and delivery of instruction. The course content is intended to give students a deeper understanding of the practice of teaching and to provide skills they can apply across many fields.

GOVERNMENT & PUBLIC ADMINISTRATION CLUSTER

- ◆ AFJROTC Courses are designed to be offered for students to take two courses each year that spans all four years of high school experience. One-credit courses may be allowed to substitute for PE credit.
- ◆ AFJROTC Course 480023 Leadership II .5 Credit may substitute for Career Preparedness A (.5 credit)
- ◆ AFJROTC Course 480040 Cadet Guide Handbook .5 credit may substitute for Career Preparedness B (.5 credit)
- ◆ AFJROTC Course 480029 Exploration of Space 1 credit may substitute for Career Preparedness one credit course
- ◆ NJROTC Course 480072 Success for Life .5 credit may substitute for Career Preparedness A (.5 credit)
- ◆ NJROTC Course 480070 Leadership Application .5 credit may substitute for Career Preparedness B (.5 credit)

| Career Pathway Program | Air Force JROTC (Must teach three courses from this program list within two years) (Offered at BCHS, FLYH, DPHS & SPFH) The objectives of Air Force JROTC are to educate and train high school cadets in citizenship, promote community service, instill responsibility, character, and self-discipline, and provide instruction in air and space fundamentals. | | |
|------------------------|---|---|---|
| | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 09151G1000 | Leadership and Aviation History | <ul style="list-style-type: none"> • Air Force JROTC Certificate • FAA Part 107 • JROTC NOCTI- Leadership and Employability Skills | Careers including but not limited to: <ul style="list-style-type: none"> • Agricultural Inspectors • Air Crew Members • Air Crew Officers • Aircraft Launch and Recovery Officers • Aircraft Launch and Recovery Specialists • Appraisers and Assessors of Real Estate • Appraisers, Real Estate • Assessors • Aviation Inspectors • Construction and Building Inspectors • Eligibility Interviewers, Government Programs • Emergency Management Directors • Environmental Compliance Inspectors • Equal Opportunity Representatives and Officers • Financial Examiners • Freight and Cargo Inspectors • Government Property Inspectors and Investigators • Legislators • License Clerks • Licensing Examiners and Inspectors • Municipal Clerks • Occupational Health and Safety Technicians • Postmasters and Mail Superintendents • Regulatory Affairs Specialists • Statistical Assistants • Tax Examiners and Collectors, and Revenue • Transportation Inspectors • Transportation Security Screeners • Transportation Vehicle, Equipment and Systems Inspectors • Urban and Regional Planners |
| 09152G1000 | Leadership and Science of Flight | | |
| 09151G0500 | Leadership I (½ credit) | | |
| 09152G0500 | Leadership II (½ credit) | | |
| 09153G0500 | Leadership III (½ credit) | | |
| 09154G0500 | Leadership IV (½ credit) | | |
| 09002G0501 | Aviation History (½ credit) | | |
| 09002G0502 | Science of Flight (½ credit) | | |
| 09002G0503 | Global and Cultural Studies (½ credit) | | |
| 09153G1000 | Leadership and Exploration of Space | | |
| 09154G1000 | Leadership and Management of the Cadet Corps and Financial Education | | |
| 09002G0509 | Cadet Guide/Handbook (½ credit) | | |
| 09990G1005 | Drill and Ceremonies Leadership (½ credit) | | |
| 09004G0500 | JROTC Leadership Application (½ credit) | | |
| 09004G1002 | Leadership and Survival | | |
| 09004G1001 | Leadership and Cultural Studies | | |
| 09002G1000 | Honors Ground School | | |
| 09002G0504 | Unlocking Your Potential (UAP) (½ credit) | | |
| 09002G0506 | Congressional Medal of Honor Foundation (MHF) (½ credit) | | |
| 09002G0505 | National Endowment for Financial Literacy (NEFE) (½ credit) | | |
| 09002G0507 | Pennsylvania Veterans Museum (½ credit) | | |
| 09990G0501 | Geography-Maps and Regions (½ credit) | | |
| 09990G1003 | Leadership and Foundations for Success | | |
| 09990G0502 | Success for Life (½ credit) | | |
| 09990G0503 | Citizenship and the Constitution (½ credit) | | |
| 09002G0508 | Veterans National Education Program (½ credit) | | |
| 22001G0500 | ACT/SAT Prep (½ credit) | | |
| 09997G1002 | CTE Lab in Government & Public Administration | | |
| 09997G0500 | Senior Career Pathway Project (½ credit) | | |
| 09997G1001 | Senior Career Pathway Project- Government and Public Administration | | |

| Career Pathway Program | Navy JROTC (Must teach three courses from this program list within two years) (Offered at RBDH & ELBH) The objectives of Navy JROTC are to instill in students in United States secondary educational institutions the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment. | | |
|------------------------|---|--|--|
| | Course Number | Career Pathway Program Courses | Career Readiness Indicator In Demand Occupations |
| | 09101G1001 | Naval Science I (NSI): Introduction to the US Navy | <ul style="list-style-type: none"> • Navy JROTC Certificate • FAA Part 107 • JROTC NOCTI-Leadership and Employability Skills <p>Careers including but not limited to:</p> <ul style="list-style-type: none"> • Agricultural Inspectors • Appraisers and Assessors of Real Estate • Appraisers, Real Estate • Assessors • Command and Control Center Specialists • Construction and Building Inspectors • Court, Municipal, and License Clerks • Emergency Management Directors • Environmental Compliance Inspectors • Equal Opportunity Representatives and Officers • Financial Examiners • Financial Examiners • First-Line Supervisors of Weapons Specialists/Crew Members • Government Property Inspectors and Investigators • License Clerks • Licensing Examiners and Inspectors • Municipal Clerks • Occupational Health and Safety Technicians • Postmasters and Mail Superintendents • Regulatory Affairs Specialists • Tax Examiners and Collectors, and Revenue • Transportation Inspectors • Transportation Security Screeners • Urban and Regional Planners |
| | 09102G1001 | Naval Science II (NSII): Maritime History, Leadership, and Nautical Sciences | |
| | 09103G1001 | Naval Science III (NSIII): Naval Knowledge and Skills | |
| | 09104G1001 | Naval Science IV (NSIV): Advanced Leadership | |
| | 09101G1002 | Navy Science 1b | |
| | 09102G1002 | Navy Science 2b | |
| | 09103G1002 | Navy Science 3b | |
| | 09104G1000 | Navy Science 4b | |
| | 09101G1003 | Naval Leadership Lab and Drill 1a | |
| | 09102G1003 | Naval Leadership Lab and Drill 2a | |
| | 09103G1003 | Naval Leadership Lab and Drill 3a | |
| | 09104G1003 | Naval Leadership Lab and Drill 4a | |
| | 09004G0500 | JROTC Leadership Application (½ credit) | |
| | 09990G0501 | Geography-Maps and Regions (½ credit) | |
| | 09990G0502 | Success for Life (½ credit) | |
| | 22001G0500 | ACT/SAT Prep (½ credit) | |
| | 09990G1003 | Leadership and Foundations for Success | |
| | 09990G0503 | Citizenship and the Constitution (½ credit) | |
| | 09990G1005 | Drill and Ceremonies Leadership (½ credit) | |
| | 09004G0500 | JROTC Leadership Application (½ credit) | |
| | 09997G1002 | CTE Lab in Government & Public Administration | |
| | 09997G1001 | Senior Career Pathway Project-Government and Public Administration | |

AFJROTC Leadership and Aviation History

SDE# 09151G1000

This Course is marked In PowerSchool for entering Fitness Scores

1 term/1 credit

Grades 9-12

Fee: \$20.00

A one-credit course which focuses on the development of flight throughout the centuries from ancient civilization to modern day. The course also focuses on learning the value of elements of good citizenship and Air Force organizational structure, including uniform wear, military traditions, fitness, and individual self-control.

AFJROTC Leadership and Science of Flight

SDE# 09152G1000

This Course is marked In PowerSchool for entering Fitness Scores

1 term/1 credit

Grades 9-12

Fee: \$20.00

A one-credit course designed to acquaint students with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Students learn basic navigation including map reading, course plotting, and the effects of wind. Students will also apply basic communication, decision-making, personal-interactions, managerial, and organizational skills.

AFJROTC Leadership I (one-half credit)

SDE# 09151G0500

0.5 term/0.5 credit

Grades 9-12

Fee: \$10.00

A one-half credit course designed to introduce cadets to the Air Force Junior Reserve Officer Training Corps program. The curriculum focuses on elements of good citizenship and Air Force organizational structure including uniform wear, military traditions, fitness, and individual self-control.

AFJROTC Leadership II (one-half credit)

SDE# 09152G0500

0.5 term/0.5 credit

Grades 9-12

Fee: \$10.00

A one-half credit course designed to assist students in communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches complement the academic materials.

AFJROTC Leadership III (one-half credit)

SDE# 09153G0500

0.5 term/0.5 credit

Grades 9-12

Fee: \$10.00

A one-half credit course designed to provide students with an understanding of job searches and interviewing skills; college admissions; financial planning; and legal issues. Emphasis is also placed on citizenship responsibilities.

AFJROTC Leadership IV (one-half credit)

SDE# 09154G0500

0.5 term/0.5 credit

Grades 9-12

Fee: \$10.00

A one-half credit course designed to provide students with hands-on experiences involving planning, organizing, coordinating, directing, controlling, decision-making, and managerial skills.

AFJROTC Aviation History (one-half credit)

SDE# 09002G0501

0.5 term/0.5 credit

Grades 9-12

Fee: \$10.00

A one-half credit course which focuses on the development of flight throughout the centuries from ancient civilization to modern day. Emphasis is placed on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and astronomical and space exploration history.

AFJROTC Science of Flight (one-half credit)

SDE# 09002G0502

0.5 term/0.5 credit

Grades 9-12

Fee: \$10.00

A one-half credit course designed to acquaint students with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Students learn basic navigation including map reading, course plotting, and the effects of wind.

AFJROTC Global and Cultural Studies (one-half credit)

SDE# 09002G0503

0.5 term/0.5 credit

Grades 9-12

Fee: \$10.00

A one-half credit course that introduces students to various regions of the world from a geographic, historical, and cultural perspective.

AFJROTC Leadership and Exploration of Space

SDE# 09153G1000

This Course is marked In PowerSchool for entering Fitness Scores

1 term/1 credit

Grades 9-12

Fee: \$20.00

A one-credit course that provides opportunities for students to manage the entire cadet corps. This hands-on experience affords the cadets the opportunity to plan, organize, coordinate, direct, and control corps operations. Students will also practice communication, decision-making, personal-interactional, managerial, and organizational skills.

AFJROTC Leadership and Management of the Cadet Corps and Financial Education

SDE# 09154G1000

1 term/1 credit
Grades 9-12
Fee \$20.00

A one credit course that provides opportunities for students to manage the entire cadet corps. This hands-on experience affords the cadets the opportunity to plan, organize, coordinate, direct, and control corps operations. Students will practice communication, decision making, and personal interactional, managerial, and organizational skills.

AFJROTC Leadership and Cultural Studies

SDE# 09004G1001

This Course is marked In PowerSchool for entering Fitness Scores

1 term/1 credit
Grades 9-12
Fee: \$20.00

A one-credit course designed to provide students with an increased international awareness and insight into foreign affairs; an understanding of European, Middle Eastern, South and East Asian, African, and Latin American cultures; and an enhanced knowledge of America's interest and role in the world. Students apply prior leadership theory through hands-on practices and experiences.

AFJROTC Leadership and Survival

SDE# 09004G1002

1 term/1 credit
Grades 10-12
Fee \$20.00

A one credit course designed to provide students with training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks.

AFJROTC Honors Ground School

SDE# 09002G1000

1 term/1 credit
Grades 10-12
Fee \$20.00

A one credit course that provides the foundation for students interested in receiving a private pilot's license. Upon successful completion of this course, students should be prepared to take and pass the Federal Aviation Administration (FAA) written examination.

AFJROTC Unlocking Your Potential (one-half credit)

SDE# 09002G0504

0.5 term/0.5 credit
Grades 11-12
Fee: \$10.00

A one-half credit course that guides young people through a process that develops winning habit patterns and offers a "tool Kit" they will carry with them for the rest of their lives. Participants learn about the ingredients that make up a person's potential, how great achievers become successful, and how their techniques and systems can be applied.

AFJROTC Congressional Medal of Honor (one-half credit)

SDE# 09002G0506

0.5 term/0.5 credit
Grades 11-12
Fee: \$10.00

This course provides students with opportunities to explore the important concepts of courage, commitment, sacrifice, patriotism, integrity, and citizenship and how these values can be exemplified in daily life. While drawn from the personal accounts of living Medal of Honor recipients, this collection of lesson plans does not glorify or glamorize war. This course demonstrates and articulates many of the abstract principles upon which our nation was founded in a way that makes those principles very real.

AFJROTC Cadet Guide Handbook (one-half credit)

SDE# 09002G0509

0.5 term/0.5 credit
Grades 9-12
Fee: \$10.00

This course provides unit operating instruction on uniform wear, personal appearance and classroom procedures, and saluting. It also provides information on cadet promotions, and operational and functional area of logistics, personnel, support, and public affairs.

CTE Lab in Government & Public Administration

SDE #09997G1002

1 term/ 1 credit

Grades 9-12

Fee: \$20.00

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

Senior Career Pathway Project JROTC

SDE# 09997G1001

1 term/1 credit

Grades 11-12

Fee: \$20.00

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

NJROTC Naval Science I: Intro to US Navy

SDE# 09101G1001

1 term/1 credit

Grades 9-11

This Course is marked In PowerSchool for entering Fitness Scores

Fee: \$20.00

A one-credit course that introduces NJROTC, career planning, leadership skills, citizenship and American Government, US Navy ships and aircrafts, wellness and first aid, survival skills, and geography. Students are also introduced to the basic principles of leadership.

NJROTC Naval Science II: Maritime History, Leadership & Nautical Studies

SDE# 09102G1001

1 term/1 credit

Grades 10-12

This Course is marked In PowerSchool for entering Fitness Scores

Fee: \$20.00

A one-credit course designed to provide instruction in maritime history, leadership, maritime geography, oceanography, meteorology, astronomy, and physical science. The cadets will illustrate an understanding of people, governments, military, and geopolitics.

NJROTC Naval Science III: Naval Knowledge & Skills

SDE# 09103G1001

1 term/1credit

Grades 10-12

This Course is marked In PowerSchool for entering Fitness Scores

Fee: \$20.00

A one-credit course to assist students in developing competencies in sea power and national security, military and international law, ship construction and organization, basic seamanship, maritime navigation, and naval weapons and aircraft.

NJROTC Naval Science IV: Advanced Leadership

SDE# 09104G1001

1 term/1 credit

Grade 12

This Course is marked In PowerSchool for entering Fitness Scores

Fee: \$20.00

A one-credit course that provides opportunities for practical applications in leadership, case studies, citizenship, personal responsibilities, operational risk management, long- and short-range planning, and community involvement and interaction.

Navy Science 1-b

SDE #09101G1002

1 term/1credit

Grades 9-12

Fee: \$20.00

This course is designed to develop knowledge of naval ships and their mission, ship construction and damage control and firefighting. Maritime Geography is introduced. Health/Wellness including drug awareness, CPR, physical fitness and basic military drill are continued.

Navy Science 2-b

SDE #09102G1002

1 term/1 credit

Grades 9-12

Fee: \$20.00

This course is designed to develop an understanding of navigation fundamentals, naval communication, intelligence and national security. First aid and health education, physical fitness and military drill are provided.

Navy Science 3-b
SDE #09103G1002

1 term/1credit
Grades 9-12
Fee: \$20.00

This course provides naval history from WWII to Desert Storm, naval operations, meteorology, and the principal of electricity. Ongoing physical fitness and military drill training is provided.

Navy Science 4-b
SDE #09104G1000

1 term/1credit
Grades 9-12
Fee: \$20.00

This course continues advanced leadership and ethics training. Students are required to demonstrate the ability to direct large groups, provide one-on-one instruction, present briefing and exhibit problem solving/decision making techniques.

JROTC Leadership Application
SDE # 09004G0500

0.5 term/0.5 credit
Grades 9-12
Fee: \$10.00

This course provides students the opportunity to become proficient in the practical application of basic and advanced military skill through the development of individual leadership abilities, confidence, self-esteem, discipline, and teamwork. Content includes execution of military drill and ceremonies, physical training, and leadership lab applications. Course is designed to give flexibility to cadets needing to take a required ½ credit course in another area of study and wanting to remain active in JROTC.

Geography-Maps and Regions, JROTC
SDE #09990G0501

0.5 term/0.5 credit
Grades 9-12
Fee: \$10.00

This course is designed to build map reading and land navigation skill. It also develops global awareness as cadets compare physical, political, economic, and cultural elements of continents, region and countries and examine the global nature of environmental issues.

Success for Life-JROTC
SDE #09990G0502

0.5 term/0.5 credit
Grades 9-12
Fee: \$10.00

This course is designed to provide for students a wide range of skill and habits that are life enhancing and important to success in any field of endeavor. Subjects included: Writing with a focus on business, technical and resume writing; Financial Management with a focus money management, credit budgeting taxes, home ownership and mortgages; Continuing Educational Opportunities and Healthy Lifestyle with focus on lifelong physical well-being and personal appearance/presentation.

Citizenship and the Constitution
SDE #09990G0503

0.5 term/0.5 credit
Grades 9-12
Fee: \$10.00

This course is designed to provide the student an appreciation for the citizen's role in our democratic society. The US Constitution, its history and development and citizen's rights and responsibilities are studied.

HEALTH SCIENCE CLUSTER

| Career Pathway Program | Health Science Program (Must teach three courses from this program list within two years) Sports Medicine (Offered at BCHS & SPFH) | | |
|------------------------|---|--|---|
| | The Health Science Program instructional content incorporates project- and problem-based healthcare practices and procedures to demonstrate knowledge and skills fundamental to a variety of healthcare careers. Knowledge and skills are reinforced and enhanced through participation in HOSA – Future Health Professionals and work-based learning opportunities that are age and grade appropriate. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 14002G1001 | Foundations of Health Science – Required prerequisite course/Health Education Substitution | <ul style="list-style-type: none"> • BACE – Biotechnician Assistant Credentialing Exam • BLS Instructor • Certified Billing and Coding Specialist • (CBCS) • Certified Patient Care Technician • (CPCT) • Certified Nursing Assistant (CNA) • Certified Electronic Health Records Specialist (CEHRS) • Certified Medical Administrative Assistant (CMAA) • Certified EKG Technician (CET) • Certified Pharmacy Technician (CPhT) • Certified Clinical Medical Assistant • (CCMA) • Elanco Veterinary Medical Applications Certification • Emergency Medical Dispatcher (EMD) • Lifeguard Certification (American Lifeguard Association or American Red Cross) • National Emergency Medical Responder (EMR) • National Emergency Medical Technician (EMT) • Public Safety Telecommunicator | <ul style="list-style-type: none"> • Clinical Laboratory Technologists & Technicians • Dental Assistants • Dental Hygienists • Diagnostic Medical Sonographers • Licensed Practical Nurses • Medical Assistants • Medical Equipment Preparers • Medical & Health Services Manager • Medical Secretaries • Nursing Assistants • Nurse Anesthetists • Nurse Practitioner • Occupational Therapists • Occupational Therapy Assistant • Ophthalmic Medical Technician • Opticians, Dispensing • Pharmacists • Pharmacy Technicians • Phlebotomists • Physical Therapists • Physical Therapy Assistants • Psychiatric Technicians • Radiologic Technologists • Registered Nurses • Respiratory Therapists • Speech-Language • Pathologists Surgical Technologists • Veterinary Assistants & Laboratory Animal Caretakers • Veterinary Technologists & Technicians |
| 14297G1000 | Advanced Health Seminar | | |
| 14054G1000 | Dental Assisting | | |
| 14149G1000 | Diagnostic Services | | |
| 14055G1000 | Emergency Services and Management | | |
| 14062G1005 | Exercise Prescription Physiology | | |
| 15055G1000 | Forensic Science and Crime Scene Investigation - Science credit eligible | | |
| 14157G1000 | Health Informatics | | |
| 14298G1000 | Health Science Internship 1 credit option (Content Standards 1, 3, 4, 5, 6, and 9), 11 th or 12 th grade | | |
| 14298G2000 | Health Science Internship, 2 credit option (Content Standards 1-11), 11 th or 12 th | | |
| 14299G1001 | Human Body Structures and Functions – Science credit eligible | | |
| 14252G1001 | Introduction to Biotechnology -Science credit eligible | | |
| 14152G1000 | Introduction to Pharmacy | | |
| 18105G1012 | Introduction to Veterinary Sciences | | |
| 14062G1004 | Kinesiology and Biomechanics | | |
| 14156G1000 | Medical Coding | | |
| 14154G1000 | Medical Terminology | | |
| 14051G2000 | Nurse Aide Training (11 th or 12 th grade only) | | |
| 14254G1000 | Nutrition in Healthcare | | |
| 14056G1000 | Operating Room Foundations | | |
| 14002G1002 | Orientation to Health Science | | |
| 14051G1000 | Patient Care Technician | | |
| 14152G1001 | Pharmacy Technician | | |
| 17049G1000 | Safety and Health Regulations* | | |
| 14997G1000 | Senior Career Pathway Project, Health Science | | |
| 14062G1003 | Sports Medicine Fundamentals | | |
| 14062G1001 | Sports Medicine Intermediate | | |
| 14062G1002 | Sports Medicine Advanced (11 th or 12 th grade) | | |
| 14202G1000 | Support Services | | |
| 14099G1000 | Therapeutic Services | | |
| 18105G1022 | Veterinary Science | | |
| 14999G1000 | CTE Lab in Health Science | | |

**** Successful completion of one credit (minimum) in Health Science coursework is required prior to placement of a student in a clinical/internship. A program receiving a waiver for the Foundations of Health Science prerequisite is not exempt from the requirement. Please refer to the Internship manual for forms and contracts to be used with LEA board approval.**

Foundations of Health Science

SDE# 14002G1001

1 term/1 credit

Grades 10-12

Fee: \$20.00

Foundations of Health Science is a required course that introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is the prerequisite for all the health science courses. It is recommended for all students who want to prepare for further study in an array of health-related fields at the postsecondary level.

Advanced Health Seminar

SDE# 14297G1000

1 term/1 credit

Grades 10-12

Fee: \$20.00

Advanced Health Seminar is a one-credit course that provides an individualized learning experience for students who desire an in-depth study in at least one occupational area in the Health Science cluster.

Dental Assisting

SDE# 14297G1000

1 term/1 credit

Grades 10-12

Fee: \$20.00

Dental Assisting is a half-credit course that introduces students in Grades 10-12 to the dental profession. Course content specifies core knowledge and skills needed by workers in a dental office. The content emphasizes careers in dental care, the history and use of dentistry, infection control, and dental care procedures. Upon successful completion of this course, students may choose to continue studies in Advanced Health Seminar or Work-Based Experience Seminar. Foundations of Health Science is a prerequisite course.

Diagnostic Services

SDE# 14149G1000

1 term/1 credit

Grades 10-12

Fee: \$20.00

Diagnostic Services is a one-credit course designed to inform students of the rapid changes in business and industry by offering a rigorous array of course work and work-based experiences to help prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide the local education agency flexibility to meet healthcare demands in the community.

Exercise Prescription Physiology

SDE# 14062G1005

1 term/1 credit

Grades 10-12

Fee: \$20.00

Exercise Prescription & Physiology is a one-credit course that provides an overview of the principles of exercise testing and prescription based on current practices in physical education, physiology, and rehabilitation for normal, healthy individuals, and special populations.

Emergency Services and Management

SDE# 14055G1000

1 Term/1 Credit

Grades 10-12

Fee: \$20.00

In Emergency Services and Management, students prepare for careers in the emergency management field. Students will learn about the integration of all public safety functions into the process of managing major natural and man-made disasters. Students will be introduced to the National Incident Management Systems and practice emergency communications among

professionals and between professionals and the public to ensure effective handling of emergency events.

Forensic Science and Crime Scene Investigation

SDE# 15055G1000

1 Term/1 Credit
Grades 10-12
Fee: \$20.00

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.

Health Informatics

SDE# 14157G1000

1 Term/1 Credit
Grades 10-12
Fee: \$20.00

Health Informatics is a one-credit course that introduces students to careers in health information services. Course content specifics core knowledge and skills and work-based experiences needed by workers in the health informatics career path. Foundations of Health Science and Medical Terminology are prerequisite courses.

Health Science Internship I

SDE # 14298G1000

Prerequisite: Foundations of Health Science

1 term/1 credit
Grades 10-12
Fee: \$20.00

Health Science Internship is a course designed for students in Grades 11 or 12. This course includes a variety of knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary health care education programs. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facilities. Theory and laboratory components comprise at least ten percent of the Health Science Internship course.

Health Science Internship II

SDE # 14298G2000

Prerequisite: Foundations of Health Science

1 term/2 credits
Grades 11-12
Fee: \$20.00

Health Science Internship is a two-credit course designed for students in Grades 11 or 12. This course includes a variety of knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary health care education programs. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facilities. Theory and laboratory components comprise at least ten percent of the Health Science Internship course.

Human Body Structures and Functions

SDE# 14299G1001

1 term/1credit
Grades 10-12
Fee: \$20.00

Human Body Structures and Functions is a course designed to help students develop a basic knowledge of the normal structure and function of the human body. The course uses an integrated approach for teaching medical terminology to the health care student by incorporating medical terminology into instruction regarding human body structures and functions and the disease process.

Introduction to Biotechnology

SDE# 14252G1001

1 term/1credit
Grades 10-12
Fee: \$20.00

Introduction to Biotechnology is a one-credit course designed to provide an overview of the biotechnology field. It is suggested that this elective course be offered to advance senior level students. Subject matter includes career choices, skill development, and application of science concepts relative to biomedical research and development. Students gain a basic understanding of laboratory procedures fundamental to biomedical research through course topics that include

Mendelian genetics, gene structure and function, inheritance patterns, genetic abnormalities, and the Human Genome Project

Introduction to Pharmacy
SDE# 14152G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

A one-credit course that introduces students to the pharmaceutical profession. The course covers content related to the history of medicine, mathematics, technology, legal issues, and technical skills.

Introduction to Veterinary Science
SDE# 18105G1012

1 term/1 credit
Grades 10-12
Fee: \$20.00

Veterinary Science is designed to prepare students for entry-level employment or for advanced training as veterinary assistants. Topics include safety, medical terminology, scientific classification, health and disease, anatomy and physiology, applied clinical mathematics, anesthesiology and basic surgical procedures, business management practices, veterinary law and ethics, and applications of technology.

Kinesiology and Biomechanics
SDE# 14062G1004

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Kinesiology & Biomechanics is a one-credit course that provides an overview of the field of kinesiology and biomechanics, as well as exposes students to fundamental skills involved in a sports medicine healthcare setting. Students will learn about the musculoskeletal anatomy of the human body, as well as the mechanical properties and structural behavior of the different body tissues.

Medical Coding
SDE# 14154G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Medical Coding is a one-credit course that is designed for students to gain knowledge about basic principles of coding and clinical classification systems. Students will study reimbursement methodologies, health records and data, health information requirements and standards, patient confidentiality, privacy, legal, and ethical issues.

Medical Terminology
SDE# 14154G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Medical Terminology is a one-credit course that is designed for students to develop health care specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language of medicine to the health care student by incorporating medical terminology with anatomy and physiology and the disease process. This method has been proven to be a logical and effective method of learning the language of medicine.

Nurse Aid Training
SDE# 14051G2000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Nurse Aide Training is a two-credit course. Students pursue skill mastery in the classroom, laboratory, and clinical area. The Nurse Aide Training program and Health Science instructor must be approved by the Alabama Department of Public Health (ADPH), Division of Health Care Services, for students to be eligible to take the National Nurse Aide Assessment. Students must successfully complete an approved program and pass the National Nurse Aide Assessment certification exam to become a Certified Nurse Aide (CNA).

Nutrition in Healthcare
SDE# 14254G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Nutrition in Healthcare is a one-credit course that is designed to introduce students to content regarding food composition and nutrition research and development as it relates to healthcare. A review will be conducted regarding the connection of diet and nutrition and the effects on body systems. Students will compare the relationship between nutrition diagnoses and a medical diagnosis.

Operating Room Foundations
SDE# 14056G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Operating Room Foundations is a one-credit course that introduces students to the exciting and dynamic world of the operating room and exposes students to an array of multidisciplinary specialties and concepts within perioperative medicine. Course content focuses on the knowledge and skills needed to promote patient safety and optimize surgical outcomes.

Orientation to Health Science
SDE# 14002G1002

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Orientation to Health Science is a one credit course to assist students in making informed decisions regarding their college and career goals. Students will be given the opportunity to apply knowledge and skills related to the Health Science cluster. The course also includes information concerning the practices for promoting health, wellness, and disease prevention.

Patient Care Technician
SDE# 14051G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Patient Care Technician is a one credit course that provides students the opportunity to become effective and efficient multi-skilled healthcare providers. Students will develop a working knowledge of advanced patient care skills, vital signs, 12-lead EKG's, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing. Essential workforce skills and safety will be emphasized, as well as professional ethics and legal responsibilities. Students will ascertain employability skills and soft skills required by business and industry. Upon successful completion of required theory, lab, and simulation, students may be eligible to sit for Patient Care Technician Certification. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Pharmacy Technician
SDE# 14152G1001

1 term/1 Credit
Grades 9-12
Fee: \$20.00

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

Safety and Health Regulations
SDE# 17049G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

A one-credit course designed to provide students with an understanding of basic safety standards, governmental and industry regulations, and individual responsibilities in workplace safety and health practices. Content focuses on identifying common safety hazards and minimizing or avoiding unsafe practices.

Sports Medicine Fundamentals

SDE# 14062G1003

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Sports Medicine Fundamentals is a one credit course that will provide an overview of the field of sports medicine as well as expose students to fundamental skills. The importance of legal and ethical concerns will be emphasized. Students will learn about career opportunities, medical terminology, safety, assessment, and emergency preparedness in sports medicine.

Sports Medicine Intermediate

SDE# 14062G1001

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Sports Medicine Intermediate is a one credit course that teaches fundamental skills to include therapeutic exercise regimens within the field of sports medicine. Students will explore the study of sports medicine and the relationship to risk management and injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The importance of health promotion, wellness, injury and disease prevention will be emphasized. Students will examine sports medicine facilities, policies, procedures, and protocols utilized in patient care.

Sports Medicine Advanced

SDE# 14062G1002

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Sports Medicine Advanced is a one credit course with strong emphasis on musculoskeletal injuries as well as the psychological and sociological responses to injuries and illness. Students will demonstrate critical thinking skills, patient care skills related to prevention, rehabilitation, and management, and communicate appropriate basic pathophysiology, kinesiology, and principles of treatment. An analysis of a variety of health situations involved in the sports medicine pathway will be conducted through project-based learning, laboratory, simulation, and clinical experiences.

Support Services

SDE# 14202G1000

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Support Services is a one-credit course that introduces students to occupations and functions involving the direct or indirect care of clients through the creation of a therapeutic environment for providing care. This course is designed to provide the local education agency flexibility to meet health care demands in the community.

Therapeutic Services

SDE# 14099G1000

1 term/1 credit

Grades 10-12

Fee: \$20.00

Therapeutic Services is a course designed to keep abreast of the rapid changes in business and industry by offering students a rigorous array of coursework and work-based experience to help prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide the local education agency flexibility to meet health care demands in the community. Students are introduced to careers in therapeutic services including, but not limited to, nursing, medicine, physical therapist, surgical technologist, respiratory therapist, emergency medical technician, and others.

CTE Lab in Health Science

SDE# 14999G1000

1 term/1 Credit

Grades 9-12

Fee: \$20.00

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

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

HOSPITALITY AND TOURISM CLUSTER

| Career Pathway Program | Food and Beverage Services Program (Must teach three courses from this program list within two years) (Offered at DPHS) | | |
|-------------------------------|--|---|---|
| | This program begins with the fundamentals and principles of the art of cooking, management and production skills, and techniques. Within this pathway, students can pursue a national sanitation certification, industry certification, articulation credit, and scholarships. The courses offered involve a commercial laboratory-based instructional setting and internship hours. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 16001G1001 | Introduction to Hospitality and Tourism - Required Foundation Course | <ul style="list-style-type: none"> • ProStart National Certificate of Achievement – COA (must pass the final exam for Level 1 and Level 2 and complete 400 hours of mentored work experience and then apply for credential) • Certified Guest Service Professional • Certified Front Desk Representative • ServSafe Manager • Alabama Certified Employee (ACE) • Meat Cutter – Skills for Success | <ul style="list-style-type: none"> • Bakers/Bakery Workers • Caterer/Catering Management • Executive/Sous Chef • Cooks, Health Care Facilities and School Cafeterias • Cooks, Restaurant • Fast Food and Counter Workers • First-Line Supervisors of Food Preparation and Serving Workers • Food Journalist/Bloggers • Food Service Managers • General Managers • Waiters and Waitresses |
| 12159G1001 | Baking and Pastry Arts | | |
| 16097G1005 | Career Pathway Project in Hospitality and Tourism | | |
| 16097G1002 | CTE Lab Hospitality and Tourism | | |
| 16053G1012 | Culinary Arts I | | |
| 16053G1022 | Culinary Arts II | | |
| 16056G1001 | Cultural Foods | | |
| 12053G1000 | Entrepreneurship | | |
| 16202G1001 | Event Planning & Management | | |
| 19254G1000 | Food Safety & Microbiology – Science Credit eligible | | |
| 12159G1001 | Hospitality Management and Marketing | | |

| Career Pathway Program | Sports, Recreation and Attractions Program (Must teach three courses from this program list within two years) (Offered at FLYH) | | |
|-------------------------------|--|--|--|
| | This program integrates management principles and procedures for recreation and sports programming, management of venues and events, branding, public relations, and event marketing. Within this pathway, students can pursue a national industry certification | | |

| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
|-------------|---|--|--|
| 16001G1001 | Introduction to Hospitality and Tourism - Required Foundation Course | <ul style="list-style-type: none"> • Certified Hospitality and Tourism Professional (must pass the final exam for Year 1 and Year 2, complete 100 hours of work experience, and then apply for credential) • Certified Guest Service Professional • Certified Front Desk Representative • ServSafe Manager • Alabama Certified Employee (ACE) | <ul style="list-style-type: none"> • Event Planner • Usher, Lobby Attendant, and Ticket Taker/Manager • Amusement and Recreation Attendant/Planner • Baggage Porter and Bellhop • Concierge • Tour Guide and Escort • Recreation Worker • Counter and Rental Clerk • Travel Agent • Reservation and Transportation Ticket Agent and Travel Clerk • Aircraft Cargo Handling Supervisor |
| 16097G1005 | Career Pathway Project in Hospitality and Tourism | | |
| 16097G1002 | CTE Lab Hospitality and Tourism | | |
| 16202G1010 | Sports, Recreation, and Attractions Management I | | |
| 16202G1011 | Sports, Recreation, and Attractions Management II | | |
| 12053G1000 | Entrepreneurship | | |
| 16202G1001 | Event Planning & Management | | |
| 19254G1000 | Food Safety & Microbiology – Science Credit eligible | | |
| 12159G1001 | Hospitality Management and Marketing | | |

Introduction to Hospitality and Tourism

SDE# 16001G1001

1 term/1 credit
Grades 9-12
Fee: \$35.00

Introduction to Hospitality and Tourism is the prerequisite for all other courses in the cluster. Major topics include sports, recreation, and attractions; management of hotels, resorts, and lodgings; travel and tourism; restaurants and food and beverage services; and customer relations and quality services. Although a full kitchen is not required for this course, students should have access to small appliances to prepare foods in various ways.

Baking and Pastry Arts

SDE# 12159G1001

1 term/1 credit
Grades 9-12
Fee: \$35.00

Baking and Pastry Arts is designed to equip students with the principles and techniques of baking and pastry-making from fundamentals to the latest trends. The course includes baking technologies, equipment, preparation procedures, production methods, pastry methods, science of bread baking, confections and desserts, showpieces, cost control, food safety, and presentation techniques. This course requires a fully equipped, school-based commercial kitchen with food service and dining areas.

Career Pathway Project (CPP) in Hospitality and Tourism

SDE# 16097G1005

1 term/1 credit
Grades 9-12
Fee: \$35.00

Career Pathway Project (CPP) in Hospitality and Tourism 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.

CTE Lab in Hospitality and Tourism

SDE# 16097G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

CTE Lab in Hospitality and Tourism is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.

Culinary Arts I

SDE# 16053G1012

1 term/1 credit
Grades 10-12
Fee: \$35.00

Culinary Arts I introduce students to basic food production, management, and service activities in both the back and front of the house. Emphasis is placed on sanitation, safety, and basic food preparation. Skills in mathematics, science, and communication are reinforced in this course. This course requires a fully equipped, school-based commercial kitchen with food service and dining areas.

Culinary Arts II

SDE# 16053G1022

1 term/1 credit
Grades 10-12
Fee: \$20.00

Culinary Arts II builds on concepts presented in Culinary Arts I to provide expanded experiences in food production, management, and service. Topics include food safety and sanitation, foodservice operations, advanced food production, and international, regional, and cultural cuisine. Skills in mathematics, communication, creative thinking, and entrepreneurship are reinforced in this course. This course requires a fully equipped, school-based commercial kitchen with food service and dining areas.

Cultural Foods

SDE# 16056G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

Cultural Foods is designed to introduce students to the foods and cultures of Africa, Asia, Central and South America, Europe, and the Southern Pacific. Course content provides opportunities for students to explore the impact of geography, climate, culture, religion, and socioeconomic factors on food, with the aim of improving global competency and cultural appreciation through diverse cuisines. This course must be taught in a fully equipped, residential-style or commercial kitchen.

Sports, Recreation and Attractions Management I

SDE# 16202G1010

1 term/1 credit
Grades 10-12
Fee: \$20.00

Sports, Recreation, and Attractions Management I introduce the knowledge and skills related to managing clients, providing products and services, and overseeing facilities in the evolving sports, recreation, and attractions industries. The concepts addressed in this course include management of venues and events; branding, advertising, public relations, and event marketing; types of business ownership; management styles; the impact of public image; and the importance of professionalism.

Sports, Recreation and Attractions Management II

SDE# 16202G1011

1 term/1 credit
Grades 10-12
Fee: \$20.00

Sports, Recreation, and Attractions Management II expands upon the content of Sports, Recreation, and Attractions Management I to provide students with in-depth knowledge and application of concepts in these industries. The concepts addressed in the course include management of facilities,

venues, clients, and events; branding, advertising, public relations, and event marketing; and economic impacts of sports, recreation, and attractions.

Entrepreneurship

SDE# 12053G1000

1 term/1 credit

Grades 10-12

Fee: \$20.00

Entrepreneurship is designed to teach students how to think and act as entrepreneurs. Standards in this course focus on skills needed to start and operate a business while in school. The course builds on academic skills by integrating inquiry-based learning and business tools that enable students to plan, create, develop, and pilot small businesses in a safe campus environment. Students who manage and operate a small business may have the opportunity to bring their products directly to the consumer via the local marketplace or present the venture to potential investors for financing. Concepts and skills are reinforced by a strong emphasis on hands-on experiences. Applications to society, individuals, and research are included.

Event Planning & Management

SDE# 16202G1001

1 term/1 credit

Grades 10-12

Fee: \$35.00

This is a one-credit course taught in grades 9-12. 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.

Hospitality Management and Marketing

SDE# 12159G1001

1 term/1 credit

Grades 10-12

Fee: \$20.00

This is a one-credit course which emphasizes skills needed for ownership, management, or employment in the growing hospitality and tourism industry. Standards are designed to develop a leadership perspective about social, environmental, economic, legal, human resource, customer relations, and consumer factors impacting the hospitality industry. The course also focuses on the marketing aspect of hospitality and tourism, including sales, promotions, advertising, and public relations.

HUMAN SERVICES CLUSTER

| Career Pathway Program | Family Studies and Community Services Program (Must teach three courses from this program list within two years) (Offered at FHPH) | | |
|------------------------|--|--|---|
| | This program is for students who are interested in pursuing careers that provide services to families and clients as they transition through the life cycle. Courses provide students with knowledge of client developmental needs, older adult services, and intervention support services such as counseling, social work, and advocacy. | | |
| Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 19301G1000 | Counseling and Mental Health | <ul style="list-style-type: none"> • ASK Institute – Concepts of Business Management • ASK Institute – Concepts of Entrepreneurship • Certified Guest Service Professional • ServSafe Food Handler • ServSafe Manager | <ul style="list-style-type: none"> • Marriage and Family Therapist • Mental Health and Substance Abuse Social Worker • Mental Health Counselor • Occupational Therapist • Psychiatrist • Religious Worker • Residential Advisors • Social and Community Service Manager • Social and Human Service Assistant • Social Scientist • Sociologist • Substance Abuse and Behavioral Disorder Counselor |
| 19147G1002 | CTE Lab Human Services | | |
| 19299G1000 | Entrepreneurship in FCS | | |
| 19251G1000 | Family and Consumer Sciences | | |
| 19259G1012 | Family Studies and Community Services I | | |
| 19259G1022 | Family Studies and Community Services II | | |
| 19252G1000 | Food and Nutrition | | |
| 19053G1000 | Gerontology | | |
| 19257G1000 | Life Connections | | |
| 19297G1000 | Senior Career Pathway Project Human Services | | |
| | | | |

| Career Pathway Program | Food, Wellness, and Dietetics Program (Must teach three courses from this program list within two years) (Offered at ELBH & SPFH) | | |
|------------------------|--|--|---|
| | This program is for students who are interested in pursuing careers in nutrition, wellness, and health and disease prevention. Courses provide students with knowledge in event planning; photographic styling applications; social media and 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. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 16202G1001 | Event Planning & Management | <ul style="list-style-type: none"> • ASK Institute – Concepts of Business Management • ASK Institute – Concepts of Entrepreneurship • Certified Guest Service Professional • Food and Beverage – Skills for Success • ServSafe Food Handler • ServSafe Manager | <ul style="list-style-type: none"> • Food Service Manager • Chemical Engineer • Food Scientist and Technologist • Biochemist and Biophysicist • Microbiologist • Chemist • Dietitian and Nutritionist • Editor • Technical Writer • Sports Nutritionist • Food |
| 19251G1000 | Family and Consumer Sciences | | |
| 19299G1000 | Entrepreneurship in FACS | | |
| 19252G1000 | Food and Nutrition | | |
| 19999G1000 | Food Innovation and Media | | |
| 19254G1001 | Chemistry of Food | | |
| 19253G1000 | Dietetics | | |
| 19253G1001 | Sports Nutrition | | |
| 19254G1000 | Food Safety and Microbiology | | |
| 19297G1000 | Senior Career Pathway Project Human Services | | |
| 19147G1002 | CTE Lab Human Services | | |

| Career Pathway Program | Fashion Program (Must teach three courses from this program list within two years) (Offered at RBDH) | | |
|------------------------|---|---|--|
| | This program is for students who are interested in pursuing careers in the fashion and retail industry. Courses provide students with knowledge of fashion, fashion design, apparel and textile design technology, and fashion business operations, media, and merchandising. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 12153G1001 | Retail and Fashion Marketing | <ul style="list-style-type: none"> • ASK Institute – Concepts of Business Management • ASK Institute – Concepts of Entrepreneurship • National Retail Federation – National Professional Certification in Customer Service and Sales • ServSafe Manager | <ul style="list-style-type: none"> • Custom Tailor and Seamstress • Ecommerce Entrepreneur • Fashion Blogger • Fashion Designer • Fashion Editor • Fashion Stylist/Journalist/Photographer • Merchandise Displayer and Window Trimmer • Retail Salesperson • Supervisor, Sales, or Production Workers • Wholesale and Retail Buyer |
| 16202G1001 | Event Planning & Management | | |
| 19299G1000 | Entrepreneurship in FACS | | |
| 19251G1000 | Family and Consumer Sciences | | |
| 05190G1001 | Fashion | | |
| 12153G1000 | Fashion Media | | |
| 05190G1002 | Fashion Design | | |
| 05299G1001 | Creative Designs | | |
| 19297G1000 | Senior Career Pathway Project Human Services | | |
| 19147G1002 | CTE Lab Human Services | | |

| Career Pathway Program | Interior Design/Real Estate Program (Must teach three courses from this program list within two years) (Offered at RBDH) | | |
|------------------------|---|---|---|
| | This program is for students who are interested in pursuing careers in the real estate and brokerage industry. Courses provide students with knowledge in interior design, housing trends; marketing; customer and client service; licensure, legal and ethical aspects of buying, selling, leasing, renting, and financing land, real property, and real estate; staging of real estate; showing property to clients; and property management. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 16202G1001 | Event Planning and Management | <ul style="list-style-type: none"> • National Retail Federation – National Professional Certification in Customer Service and Sales • ASK Institute – Concepts of Entrepreneurship and Management • ASK Institute – Concepts of Business Management • Certified Guest Services Professional • ServSafe Manager | <ul style="list-style-type: none"> • Architect • Multi-Media Artist and Animator • Interior Designer • Set and Exhibit Designer • Construction and Building Inspector • Upholsterer • Furniture Finisher • Property, Real Estate, and Community Association Manager • Appraiser and Assessor of Real Estate • Title Examiner, Abstractor, and Searcher • Insurance Sales Agent • Real Estate Broker/Sales Agent • Ecommerce Entrepreneur |
| 19251G1000 | Family and Consumer Sciences | | |
| 19299G1000 | Entrepreneurship in FACS | | |
| 19205G1000 | Housing | | |
| 05193G1012 | Interior Design I | | |
| 05193G1022 | Interior Design II | | |
| 17990G1000 | Art, Architecture, and Design | | |
| 12154G1023 | Buying and Selling Real Estate | | |
| 12154G1013 | Introduction to Real Estate | | |
| 12154G1033 | The Real Estate Brokerage Business | | |
| 19297G1000 | Senior Career Pathway Project Human Services | | |
| 19147G1002 | CTE Lab Human Services | | |

Counseling and Mental Health

SDE# 19301G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to orientate students who are interested in working in counseling and mental health services. Careers in the field provide help to people with personal, family, educational, and mental health problems and need guidance in making career decisions. The content in the course includes the history of counseling, career investigation, stress management, mental illness, communication skills, client legal rights, ethical procedures and legal responsibilities, and personal and client safety.

Event Planning & Management

SDE# 16202G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

This is a one-credit course taught in grades 9-12. 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.

Family and Consumer Sciences

SDE# 19251G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

Family and Consumer Science is a course that is designed to assist students in recognizing the importance of the family. Course content provides opportunities for students to explore characteristics of strong families; family customs and traditions; healthy relationships; marriage readiness; parenting issues; consumer behavior; clothing, housing, and food needs throughout the lifespan. Assessing the effects of technology and career options related to family and consumer sciences and human services.

Entrepreneurship in FACS

SDE# 19299G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

This is a one-credit course taught in grades 10-12 that includes the necessary knowledge and skills to own and operate a business. It is the intent of this course that entrepreneurial concepts be incorporated within the framework of Family and consumer sciences-related free enterprise experiences within the Human Services Cluster career pathways, Hospitality and Tourism Cluster career pathways, and the Education and Training Cluster career pathways. It is anticipated that the business concepts should be introduced and integrated throughout the free enterprise experience to maximize student interests and impact. The course content focuses on business and financial planning, personnel management, marketing principles, business and labor laws, legal rights and responsibilities of ownership and communication. Other topics to be taught are market research, purchasing process system, distribution systems, warehouse and inventory control, salesmanship, sales are prepared to create and manage their own Family and Consumer Sciences business or embark on a career related to business development.

Counseling and Mental Health

SDE# 19301G1000

1 term/1 credit

Grades 9-12

Fee: \$20.00

This course is designed to orientate students who are interested in working in counseling and mental health services. Careers in this field provide assistance to people with personal, family, educational, and mental health problems and need guidance in making career decisions.

Family Studies and Consumer Services I

SDE# 19259G1012

1 term/1 credit

Grades 9-12

Fee: \$20.00

Family Studies and Community Services I is a one-credit course designed for students who are interested in acquiring skills for providing service to families and in preparing for a variety of careers related to family and human services.

Family Studies and Consumer Services II

SDE# 19259G1022

1 term/1 credit

Grades 9-12

Fee: \$20.00

Family Studies and Community Services II is a one-credit course. The prerequisite for this course is Family Studies and Community Services I. The course includes content that helps students learn ways to determine client needs using assessments and to provide intervention services.

Gerontology

SDE# 9053G1000

1 term/1 credit

Grades 9-12

Fee: \$20.00

Gerontology is a one-credit course taught in grades 9-12. This course is designed to assist students in learning about careers that provide services to older adults. The course focuses on Gerontology; the study of the social, psychological, and biological aspects of aging; and the physical, mental, and social changes in people of the age.

Food and Nutrition

SDE# 19252G1000

1 term/1 credit

Grades 9-12

Fee: \$20.00

Topics include the impact of daily nutrition and wellness practices on long-term health and wellness; physical, social, and psychological aspects of healthy nutrition and wellness choices; selection and preparation of nutritious meals and snacks based on USDA Dietary Guidelines, including the Food Guide Pyramid; safety, sanitation, storage, and recycling processes and issues associated with nutrition and wellness; impacts of science and technology on nutrition and wellness issues; and nutrition and wellness career paths.

Food Safety and Microbiology

SDE# 19254G1000

1 term/1 credit

Grades 9-12

Fee: \$20.00

Food Safety and Microbiology is a specialized area of study focusing on pathogens and spoilage microorganisms in foods, the conditions under which they grow, and conditions under which they are commonly inactivated, killed, or made harmless; principles involved in food fermentation; the role of food in immunology; effective sanitation practices to control pathogen and microbial growth in food; principles involved in food preservation; grade classifications of meat and produce; and microbial analysis to determine food quality.

Chemistry of Food

SDE# 19254G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

Chemistry of Food is a course that provides an in-depth study of the application of science principles to scientific investigation of the production, processing, preparation, evaluation, and utilization of

food. The course utilizes the scientific method to study scientific concepts and theories in the context of nutrition and foods.

Dietetics

SDE# 19253G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

Dietetics is a course that provides students with advanced knowledge and skills used in nutrition and dietetics. Major topics include nutrition, meal planning, safety, food science, and professional behavior.

Creative Designs

SDE# 052999G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Creative Designs is a one-credit course taught in grades 9-12. This course is designed to provide students with skills needed to effectively organize and manage a business while also learning the necessary employability (soft) skills to be an effective employee in the workforce.

Life Connections

SDE# 19257G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

The course focuses on practical problems related to nurturing human development throughout the life span and life cycle. Course content provides opportunities for students to explore basic needs of individuals regarding human growth and development; stages across the life span; career planning; dating and marriage; financial management; parenting decisions; relationship adjustments; middle-age, retirement issues, and intergenerational living; balancing work, family, and community responsibilities; improving the quality of life; community resources and services; technology; and careers related to families as they progress through the life cycle.

Sports Nutrition

SDE# 19253G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course examines the relationship between nutrition, physical performance, and overall wellness. Students will learn how to choose nutritious foods for healthy lifestyles and peak performance. Health and disease prevention through nutrition, physical activity, and wellness practices are essential components of the course. This course emphasizes the metabolic process and management of food choices for optimal health and physical performance. Students are challenged to develop personal fitness and nutrition plans.

Retail and Fashion Merchandising

SDE# 12161G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Retail and Fashion Merchandising is a course for students who are interested in the fashion and retail industry. Course content provides opportunities for students to explore factors related to the retail industry, examine structure and organization of fashion business operations, study merchandising techniques, utilize technology in fashion merchandising, and explore career options in the apparel and textiles industry.

Fashion

SDE# 05190G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

The Fashion course introduces students to the selection and care of clothing and accessories for individuals and families. Course content provides opportunities for students to explore factors that

influence apparel choice, apparel history, current fashion trends, proper care and maintenance of apparel, laws and legislation regarding the apparel industry, apparel design, apparel repair and construction, wardrobe planning, technology in the apparel and textiles industry, and career options in the apparel and textile industries.

Fashion Design

SDE# 05190G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

Fashion Design is a course for students interested in fashion, fashion design, and apparel and textile design technology. Course content provides opportunities for students to explore historic costumes, research current fashion styles and trends, analyze fibers and textiles, design clothing and accessories, utilize technology in fashion design, and explore career options in the apparel and textiles industry.

Fashion Media

SDE# 12153G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

Fashion Media is a one-credit course taught in grades 9-12. This course is designed for students interested in fashion, fashion design, and apparel and textile design technology careers. Content provides opportunities for students to analyze consumer, culture, and celebrity effects on fashion; research current and future trends in fashion; explore the fashion press and print processes; identify E-commerce sources used in the fashion industry; utilize public relations strategies; manage fashion events; utilize social media and digital design techniques; and apply photographic styling applications and journalism skills used in the fashion industry. The foundation course, Family and Consumer Services, is a required course for all career pathways in this cluster, but it is not a required prerequisite.

Food Innovation and Media

SDE# 19999G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

Food Innovations and Media is a one-credit course taught in grades 9-12. This course is designed to introduce students to the process of developing new food products for marketing or adapting traditional ones to meet specific nutrition and marketing needs, and to follow consumer trends while utilizing a variety of technology. Course content provides opportunities for students to explore global food systems; examine trends in food processing and food innovations; research influences on purchasing behavior of consumers; develop and analyze recipes for new food products through experimental food labs; apply social media and digital design techniques, photographic styling applications, and journalism skills; and explore career options in this specific food industry.

Housing

SDE# 19205G0500

1 term/.5 credit
Grades 9-12
Fee: \$20.00

A one-half credit course designed to introduce students to the selection and planning of living environments to meet the needs and wants of individuals and families across the life span. Styles of housing, housing legislation and regulations, environmental and energy issues, home safety, and technology are included in this course. A school-based laboratory is required for this course.

Interior Design I

SDE# 05193G1012

1 term/1 credit
Grades 9-12
Fee: \$20.00

Interior Design I is a course that introduces students to the historical aspects and contemporary trends in housing and interior design. Course content provides opportunities for students to explore elements and principles of design; blueprinting; space planning by creating functional, safe, and aesthetic

spaces for individuals and families across the life span; furniture style; furniture and accessory selection; technology; and careers in the field of Interior Design.

Interior Design II

SDE# 05193G1022

Prerequisite: Interior Design I

1 term/1 credit

Grades 9-12

Fee: \$20.00

Interior Design II is a course that introduces students to the business practices and procedures of the interior design business. Course content provides opportunities for students to explore design project development, business planning and operations, interior design techniques by applying drawing skills and elements and principles of design, technology, and careers in the field of Interior Design.

Art, Architecture, and Design

SDE# 17990G1000

1 term/1 credit

Grades 9-12

Fee: \$20.00

Art, Architecture, and Design is a one-credit course taught in grades 9-12. This course is designed to introduce students to the influence of art and architecture on the professional field of interior design. Content in the course includes an in-depth study of art history; and the application of the elements of design, principles of design, and color theory in creating works of art and interior design; history of architecture and architectural styles; influences of architectural design on culture; period furniture and furnishings; influence of technology and mass production on works of art and interior design; and careers in architecture, design, and other related professions.

Buying and Selling Real Estate

SDE# 12154G1023

1 term/1 credit

Grades 9-12

Fee: \$20.00

This is a one-credit course taught in grades 10-12. Students will learn aspects of buying, selling, and financing land, real property, and real estate; the listing of client's property; developing client relationships; following procedures for renting, leasing, and selling real estate; understanding contract terminology, staging of real estate; and showing property to clients. Laboratory experiences are an integral part of this course and may include field trips, job shadowing, internships, etc. Introduction to Real Estate Sales is a required prerequisite to this course.

Introduction to Real Estate

SDE# 12154G103

1 term/1 credit

Grades 9-12

Fee: \$20.00

This is a one-credit course taught in grades 9-12. Students will learn aspects of marketing real estate; the importance of customer and client service; the differences between land, real estate, and real property; laws and ethics governing the real estate industry; and appropriate licensure requirements in the industry. Additional career opportunities in the housing and real estate industry are explored. Laboratory experiences are an integral part of this course and may include field trips, job shadowing, internships, etc.

The Real Estate Brokerage Business

SDE# 12154G1033

1 term/1 credit

Grades 9-12

Fee: \$20.00

This is a one-credit course taught in grades 10-12. Students will acquire content knowledge and skills related to the real estate brokerage business. Requirements for office facilities, policies and operating procedures for effective operation, detailed tasks for marketing and listing real estate, commercial real estate sales, use of technology, and property management are topics addressed in the course. Laboratory experiences are an integral part of this course and may include field trips, job shadowing, internships, apprenticeships, etc. Buying and Selling Real Estate is a required prerequisite to this course.

CTE Lab in Human Services
SDE# 19297G1002

1 term/1 credit
Grades 10-12
Fee: \$20.00

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Hospitality & Tourism 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.

Senior Career Pathway Project Human Services
SDE# 19297G1000

1 term/1 credit
Grades 11-12
Fee: \$20.00

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

MARKETING CLUSTER

| Career Pathway Program | Marketing Program (Must teach three courses from this program list within two years.) (Offered at BCHS, SPFH, FLYH, FHPH, ELBH, RBDH) | | |
|------------------------|---|--|---|
| | This program is for students who are interested in pursuing careers in marketing. Courses provide an overview of career opportunities, which are available in every sector of the economy and requires individuals working in marketing to become familiar with topics including sales, marketing, customer service, telecommunications, research, and media. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 12166G1001 | Advertising and Sales | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – Photoshop • Adobe Certified Associate (ACA) – Dreamweaver • Adobe Certified Associate (ACA) – Premier Pro • Adobe Certified Associate (ACA) – InDesign • Adobe Certified Associate (ACA) – Illustrator • ASK Institute – Concepts of Business Management • ASK Institute – Concepts of Entrepreneurship and Management | <ul style="list-style-type: none"> • Advertising and Promotions Manager • Entrepreneur • Franchisee • Market Research Analysts & Marketing Specialists • Marketing Managers • Merchandise Displayers & Window Trimmers • Property, Real Estate, & Community Association Managers • Public Relations Specialists • Real Estate Sales Agents • Retail Salespersons • Sales Managers • Sales Representatives |
| 12009G1001 | Business Communications | | |
| 10005G1001 | Business Software Applications I | | |
| 12197G1001 | Career Pathway Project in Marketing | | |
| 22153G1000 | Career Preparedness | | |
| 22998G1014 | Cooperative Education | | |
| 12197G1002 | CTE Lab in Marketing | | |
| 12162G1001 | Digital Marketing | | |
| 12053G1000 | Entrepreneurship | | |
| 12051G1000 | Foundations of Business Leadership | | |
| 12159G1001 | Hospitality Management and Marketing | | |
| 12164G1001 | Marketing Principles | | |
| 12002G1003 | Project Management | | |
| 12161G1001 | Retail and Fashion Marketing | | |
| 12163G1003 | Sports and Entertainment Marketing | | |

| | | | |
|--|--|--|---|
| | | <ul style="list-style-type: none"> • ASK Institute- Fundamental Marketing Concepts • IC³ Global Standard 6 (or higher) • Certified Guest Service Professional • Microsoft Office – Access Expert 2019/365 • Microsoft Office – Excel Expert 2019/365 • Microsoft Office – Word Expert 2019/365 • Microsoft Office Specialist 2019/365 • (MOS) (Two of the following areas REQUIRED) • Excel • Outlook • PowerPoint • Word • National Retail Federation – National Professional Certification in Customer Service and Sales | <ul style="list-style-type: none"> • Sales Representatives of Services • Sales Representatives, Wholesale & Manufacturing • Social Media Manager |
|--|--|--|---|

Advertising and Sales

SDE# 12166G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

Advertising and Sales provides the tools necessary for the development, implementation, and management of promotional programs. This course focuses on the performance of key responsibilities required in the advertising and sales environment. Skills emphasized in this course are pricing, visual merchandising, advertising, special promotions, professional sales, and customer service. These skills are designed to prepare students to manage the sales function, to determine client needs and wants, and to respond through planned, personalized communication.

Business Communication

SDE# 12009G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

Business Communications focuses on how employees and management interact with each other and with groups and individuals outside the organization to reach organizational goals, objectives, and activities. This course emphasizes oral, written, and digital communication techniques, and content is designed to encourage exploration of business ethics, teamwork, conflict resolution, and leadership skills. Content standards require the use of presentation and word processing software to create business communications. Standards require proficiency in producing documents and multimedia presentations.

Business Software Applications I

SDE# 10005G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

Business Software Applications I emphasize the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.

Buying and Selling Real Estate

SDE# 12154G1023

1 term/1 credit
Grades 9-12
Fee: \$20.00

Buying and Selling Real Estate is designed to build on the foundation provided in Introduction to Real Estate Sales. This course emphasizes aspects of buying, selling, and financing land, real property, and real estate; the listing of a client's property; developing client relationships; following procedures for listing, buying, and selling real estate; understanding contract terminology; staging of real estate; and showing property to clients. Laboratory experiences are an integral part of this course and may include field trips, job shadowing, internships, and other related activities.

Career Pathway Project in Marketing

SDE# 12197G1003

1 term/1 credit
Grades 9-12
Fee: \$20.00

Career Pathway Project 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.

Career Preparedness

SDE# 22153G1000

1 term/1 credit
Grades 9-12

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

Cooperative Education

SDE# 22998G1014

1 term/1 credit
Grades 9-12
Fee: \$20.00

Prerequisite: It is recommended, but not required, that a student obtain concentrator status, (two courses within a CTE program, and prior to enrollment in cooperative education. Students who have not obtained concentrator status must have successfully completed a minimum of one CTE credit. The Career Preparedness course will count as a Career Technical course regardless of the instructor's teacher certification. 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.

CTE Lab in Marketing

SDE# 12197G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Marketing 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.

| Career Pathway Program | Real Estate Sales Program (Must teach three courses from this program list within two years.) (Offered at FLYH) | | |
|------------------------|---|---|--|
| | This program is for students who are interested in pursuing careers in real estate sales. Courses provide an overview of career opportunities, which are available in every sector of the economy and requires individuals working in real estate to become familiar with topics including financing, contracts, sales, marketing, customer service, telecommunications, research, and media. | | |
| Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 12166G1001 | Advertising and Sales | <ul style="list-style-type: none"> • Adobe Certified Associate (ACA) – Dreamweaver • Adobe Certified Associate (ACA) – Illustrator • Adobe Certified Associate (ACA) – InDesign • Adobe Certified Associate (ACA) – Photoshop • Adobe Certified Associate (ACA) – Premier Pro • ASK Institute – Concepts of Business Management • ASK Institute – Concepts of Entrepreneurship • ASK Institute – Fundamental Business Concepts • ASK Institute – Fundamental Marketing Concepts • Certified Guest Service Professional • Certiport – Entrepreneurship and Small Business (must hold concentrator status) • Microsoft Office – Access Expert 2019/0365 • Microsoft Office – Excel Expert 2019/0365 • Microsoft Office – Word Expert 2019/0365 • Microsoft Office Specialist - Associate 2019/0365 (MOS) (Two of the following areas REQUIRED) <ul style="list-style-type: none"> • Excel Associate • Outlook Associate • PowerPoint Associate • Word Associate • National Retail Federation – National Professional Certification in Customer Service and Sales | <ul style="list-style-type: none"> • Advertising and Promotions Manager • Entrepreneur • Franchisee • Market Research Analysts & Marketing Specialists • Marketing Managers • Merchandise Displayers & Window Trimmers • Property, Real Estate, & Community Association Managers • Public Relations Specialists • Real Estate Sales Agents • Retail Salespersons • Sales Managers • Sales Representatives • Sales Representatives of Services • Sales Representatives, Wholesale & Manufacturing • Social Media Manager |
| 12009G1001 | Business Communications | | |
| 10005G1001 | Business Software Applications I | | |
| 12154G1023 | Buying and Selling Real Estate | | |
| 12197G1003 | Career Pathway Project in Marketing | | |
| 22153G1000 | Career Preparedness | | |
| 22998G1014 | Cooperative Education | | |
| 12197G1002 | CTE Lab in Marketing | | |
| 12162G1001 | Digital Marketing | | |
| 12053G1000 | Entrepreneurship | | |
| 12051G1000 | Foundations of Business Leadership | | |
| 12154G1013 | Introduction to Real Estate Sales | | |
| 12164G1001 | Marketing Principles | | |

Digital Marketing

SDE# 12162G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

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.

Entrepreneurship

SDE# 12053G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Foundations of Business Leadership

SDE# 12051G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

Foundations of Business Leadership focuses on the exploration of leadership and management to determine the impact of management practices on business and industry, management of expectations regarding legal and ethical behavior, and investigation of how resources are managed to achieve company goals. Standards are designed to emphasize principles of sound business management and the analysis of business practices to determine ethical and social responsibilities.

Hospitality Management and Marketing

SDE# 12159G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Hospitality Management and Marketing emphasizes skills needed for ownership, management, or employment in the growing hospitality and tourism industry. Standards are designed to develop a leadership perspective about social, environmental, economic, legal, human resource, customer relations, and consumer factors impacting the hospitality industry. The course also focuses on the marketing aspect of hospitality and tourism, including sales, promotions, advertising, and public relations.

Marketing Principles

SDE# 12164G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Project Management

SDE# 12002G1003

1 term/1 credit
Grades 9-12
Fee: \$20.00

Project Management is designed to introduce students to the myriad facets of Program and Project Management, test the character of each student as they juggle the complexities and conflicting demands, and initiate the development of difficult decision-making, for a successful program.

Retail and Fashion Marketing

SDE# 12161G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

Retail and Fashion Marketing is designed to provide students with an overview of retail and fashion marketing principles and practices. This course introduces students to the retail industry, including the fundamentals of fashion marketing, key marketing concepts essential to every business, types of businesses involved in the industry, fashion industry economics, and an array of career opportunities. Standards are written in ways that encourage skill development in marketing segmentation and target marketing, product selection and buying, and inventory systems.

Sports and Entertainment Marketing Fundamentals

SDE# 12163G1003

1 term/1 credit
Grades 9-12
Fee: \$20.00

Sports and Entertainment Marketing is a one-credit specialized course designed to offer students an opportunity to gain knowledge and develop skills, related to the growing sports and entertainment industry. Sports Marketing addresses such diverse products as the sporting event itself, its athletes, sports facilities or locations, sporting goods, personal training, and sports information. Entertainment marketing includes events such as fairs, concerts, trade shows, festivals, plays, product launches, and causes. Students will develop skills in the areas of merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) CLUSTER

| Career Pathway Program | CTE Engineering Program (Must teach three courses from this program list within two years) (Offered at FHPH, FLYH & SPFH) | | |
|------------------------|---|--|--|
| | The CTE STEM curriculum should emphasize the integration of academics. To achieve the solution to a given problem, students must possess an adequate foundation in communication skills for reading, writing, speaking, listening, viewing, and presenting; knowledge and skills in mathematics, science, and social studies; and knowledge of current and emerging technologies. | | |
| Code Number | Career Pathway Program Courses | Career Readiness (CRI) Indicator | In Demand Occupations |
| 21005G1000 | Foundations of Engineering and Technology | <ul style="list-style-type: none"> Autodesk – AutoCAD Certified User Autodesk –Fusion 360 Certified User Autodesk –Inventor Certified User Autodesk –Revit Certified User Certiport Information Technology Specialist (ITS) – Databases Certiport Information Technology Specialist (ITS) –HTML & CSS Certiport Information Technology Specialist (ITS) – HTML5 Application Development Certiport Information Technology Specialist (ITS) –Java Certiport Information Technology Specialist (ITS) –JavaScript | <ul style="list-style-type: none"> Aerospace Engineer/Tech Aesthetics Specialist Architectural Engineer/Tech Civil Engineer/Tech Control Systems Engineer/Tech Electrical Engineer/Tech Engineer/Technician all Discipline Environmental Scientist/Specialist Ergonomics Specialist Industrial Engineer/Tech |
| 21002G1000 | Applications of Engineering and Technology | | |
| 21047G1000 | Capstone of Engineering and Technology | | |
| 21015G1001 | Computer Engineering and Technology | | |
| 21014G1000 | Environmental Engineering | | |
| 21009G1000 | Robotics Systems | | |
| 21015G1000 | Basic Programming for Engineers | | |
| 21997G1000 | CTE Lab in STEM | | |

| | | | |
|------------|--------------------------------|---|--|
| 21047G1001 | Career Pathway Project in STEM | <ul style="list-style-type: none"> • Certiport Information Technology Specialist (ITS) – Python • Certiport Information Technology Specialist (ITS) – Software Development • FAA Part 107 • FANUC CERT –Handling Tool Operations and Programming • Microsoft Office –Access Expert 2019/0365 • Microsoft Office –Excel Expert 2019/0365 • Oracle Certified Associate (OCA) – Java Programmer • Solid Edge Certified Associate • SolidWorks Associate | <ul style="list-style-type: none"> • Manufacturing Engineer/Tech • Materials Engineer/Tech • Mechanical Engineer/Tech/Mgr. • Petroleum Engineer/Tech • Robotics Engineer/Tech |
|------------|--------------------------------|---|--|

Foundations of Engineering & Technology

SDE# 21005G1000

1 term/1 credit

Grades 9-12

Fee: \$20.00

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

Applications of Engineering & Technology

SDE# 21002G1000

1 term/1 credit

Grades 9-12

Fee: \$20.00

Applications of Engineering and Technology offers students an investigative view of the engineering profession and the fundamental skills utilized in the field. Students continue investigating engineering disciplines and related career paths. Students will expand leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles used in problem-solving through the engineering design process.

Capstone of Engineering & Technology

SDE# 21047G1000

1 term/1 credit

Grades 11-12

Fee: \$20.00

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

Computer Engineering & Technology

SDE# 21015G1001

Prerequisite: Algebra II

1 term/1credit

Grades 11-12

Fee: \$20.00

Computer Engineering and Technology is designed to explore the process of taking a software idea and turning it into a profitable product. Students will gain knowledge of the phases of a software life cycle (planning, design, implementation, testing, deployment, and maintenance). Technology will be introduced by exposing students to industry standard tools for implementing the System Development Life Cycle (SDLC) process. This course will be focused on the SDLC but will expose the students to the various architectures used for a successful project. While not required, it is recommended that students have some prior knowledge of programming languages, databases, operating systems, and platforms.

Environmental Engineering

SDE# 21014G1000

1 term/1credit

Grades 11-12

Fee: \$20.00

Environmental Engineering is designed to offer students an overview of environmental sustainability. It allows students to explore training, education, and career opportunities related to environmental engineering. Students will investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these real-life challenges.

Robotics Systems

SDE# 21009G1000

1 term/1credit

Grades 11-12

Fee: \$20.00

Robotic Systems is designed to offer students an overview of robotics. It allows students to explore training, educational, and career opportunities related to the automation of robotics in industry. Students will investigate and create a plan to achieve industry certifications, incorporate proper ethics in submitted projects, demonstrate basic technical skills necessary for following safety precautions, utilize engineering principles and fundamental physics, and demonstrate the technological product design processes and methodologies of systems.

Basic Programming for Engineers

SDE# 21015G1000

1 term/1credit

Grades 11-12

Fee: \$20.00

Basic Engineering Programming is a one-credit course designed to provide students with an introduction to computer tools and computer programming languages used by engineers. The goal is to develop sufficient knowledge to perform basic analysis using common engineering programming languages. Topics will include language fundamentals, algorithm analysis and solution, program structures, data structures, object-oriented/modular structure, and overviews of computer hardware and software tools available to solve real world engineering problems.

Career Technical Lab in STEM

SDE# 21997G1000

1 term/1credit

Grades 11-12

Fee: \$20.00

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

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

Career Technical Courses
Offered at
BALDWIN PREPARATORY ACADEMY

ARCHITECTURE AND CONSTRUCTION CLUSTER

| Career Pathway Program | Construction Technology Program (Must teach three courses from this program list within two years) | | |
|------------------------|--|---|---|
| | Courses in the building construction program will ground the trainee in the basic knowledge and principles of carpentry, masonry, concrete finishing, electrical work, HVAC, and plumbing. He or she will become skilled in different phases of a project from start to finish. Once completing this course, the student will be able to interpret construction drawings; perform quality concrete and brickwork; frame walls, ceilings, and floors of a structure; and install the proper wiring and piping for electrical, and plumbing systems. This program utilizes curriculum through NCCER. | | |
| Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 17002G1002 | Architecture and Construction Foundations | <ul style="list-style-type: none"> Alabama Certified Employee (ACE) Asphalt Roller – Skills for Success Bulldozer – Skills for Success Construction and Skilled Trade Assessment (CAST) Home Builders Association of Alabama Residential Construction Skills Certification NCCER Cabinetmaking Level 1 NCCER Carpentry Level 1 NCCER Construction Technology Level 1 NCCER Core (module 6 is an elective and not required for CRI) OSHA 30 Skid Steer – Skills for Success | <ul style="list-style-type: none"> Cabinet Maker Commercial Carpenter Construction and Building Inspector Construction Equipment operator Contractor General Contractor Homebuilder Industrial Carpenter Residential Carpenter Site Foreman |
| 17007G1002 | Cabinetmaking Finishing | | |
| 17007G1001 | Cabinetmaking Joinery | | |
| 17047G1001 | Career Pathway Project-Architecture & Construction | | |
| 17013G1001 | Carpentry: Commercial Framing and Layout | | |
| 17002G1003 | Construction Building Systems | | |
| 17011G1001 | Construction Finishing | | |
| 17002G1011 | Construction Foundation Layout | | |
| 17017G1000 | CTE Lab in Architecture & Construction | | |
| 17013G1002 | Industrial Carpentry | | |
| 17013G1003 | Industrial Site Layout, Formwork, and Concrete | | |
| 12002G1003 | Project Management | | |
| 17002G1010 | Residential Building | | |
| 17049G1000 | Safety and Health Regulations | | |
| 17006G1001 | Wood Technology: 2D Design | | |
| 17006G1002 | Wood Technology: 3D Design | | |

| Career Pathway Program | Electrical Program (Must teach three courses from this program list within two years) | | |
|------------------------|--|--|--|
| | Electricians install electrical systems in structures; they install wiring and other electrical components, such as circuit breaker panels, switches, and light fixtures, and they follow blueprints, the <i>National Electrical Code®</i> and state and local codes. To prepare trainees for a career in the electrical field, this program utilizes NCCER's comprehensive, 4-level Electrical curriculum that complies with DOL time-based standards for apprenticeship. | | |
| Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 17002G1002 | Architecture and Construction Foundations | <ul style="list-style-type: none"> Alabama Certified Employee (ACE) Asphalt Roller – Skills for Success Bulldozer – Skills for Success Construction and Skilled Trade Assessment (CAST) NCCER Electrical Level 1 NCCER Core (module 6 is an elective and not required for CRI) OSHA 30 Skid Steer – Skills for Success | <ul style="list-style-type: none"> Industrial Electrician Industrial Maintenance E&I Technician Residential Electrician |
| 17047G1001 | Career Pathway Project-Architecture & Construction | | |
| 17017G1000 | CTE Lab in Architecture & Construction | | |
| 17102G1000 | Electrical Fundamentals | | |
| 17103G1001 | Electrical Installation | | |
| 17102G1001 | Electrical Technology | | |
| 17104G1010 | Motor Controls | | |
| 12002G1003 | Project Management | | |
| 17049G1000 | Safety and Health Regulations | | |
| | | | |

| Career Pathway Program | Heating, Ventilation, and Air Conditioning Program (Must teach three courses from this program list within two years) | | |
|------------------------|--|--|---|
| | The increasing development of HVAC (heating and air-conditioning systems) technology causes employers to recognize the importance of continuous education and keeping up to speed with the latest equipment and skills. This program utilizes NCCER's curriculum that has been designed by highly qualified subject matter experts with this in mind. This curriculum is recognized by North American Technician Excellence (NATE) and presents theoretical and practical skills essential to your success as an HVAC installer or technician. | | |
| Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 17002G1002 | Architecture and Construction Foundations- | <ul style="list-style-type: none"> Air Conditioning Heating and Refrigeration Institute (AHRI) ICE Residential Care Alabama Certified Employee (ACE) Asphalt Roller – Skills for Success Bulldozer – Skills for Success Construction and Skilled Trade Assessment (CAST) EPA Card NCCER HVAC Level 1 NCCER Core (module 6 is an elective and not required for CRI) OSHA 30 Skid Steer – Skills for Success | <ul style="list-style-type: none"> HVACR Installer HVACR Service Technician |
| 17047G1001 | Career Pathway Project-Architecture & Construction | | |
| 17017G1000 | CTE Lab in Architecture & Construction | | |
| 17056G1001 | HVAC Fundamentals | | |
| 17055G1001 | HVAC Installation and Operation | | |
| 17052G1001 | HVAC Refrigeration Systems | | |
| 12002G1003 | Project Management | | |
| 17049G1000 | Safety and Health Regulations | | |
| | | | |

| Career Pathway Program | Plumbing Program (Must teach three courses from this program list within two years) | | |
|-------------------------------|--|---|--|
| | Most people are familiar with plumbers who come to their home to unclog a drain or install an appliance. In addition to these activities, however, plumbers install, maintain, and repair many different types of pipe systems. For example, some systems move water to a municipal water treatment plant and then to residential, commercial, and public buildings. Other systems dispose of waste, provide gas to stoves and furnaces, or supply air conditioning. Pipe systems in power plants carry the steam that powers huge turbines. Pipes also are used in manufacturing plants, such as wineries, to move material through production processes. This program aligns with NCCER's four-level curriculum that covers topics such as Plumbing Tools, Types of Valves, and Potable Water Treatment. | | |
| Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 17002G1002 | Architecture and Construction | <ul style="list-style-type: none"> Alabama Certified Employee (ACE) Construction and Skilled Trade Assessment (CAST) Asphalt Roller – Skills for Success Bulldozer – Skills for Success NCCER Core (module 6 is an elective and not required for CRI) NCCER Pipefitting Level 1 NCCER Plumbing Level 1 OSHA 30 Skid Steer – Skills for Success | <ul style="list-style-type: none"> Industrial Maintenance Mechanic Pipefitter Plumber |
| 17047G1001 | Career Pathway Project-Architecture & Construction | | |
| 17017G1000 | CTE Lab in Architecture & Construction | | |
| 17058G1001 | Plumbing and Pipefitting | | |
| 17058G1002 | Plumbing Systems | | |
| 12002G1003 | Project Management | | |
| 17049G1000 | Safety and Health Regulations | | |

| Career Pathway Program | Welding Technology Program (Must teach three courses from this program list within two years) | | |
|-------------------------------|--|---|---|
| | Welding is a highly skilled industry that can take you places all over the world. From ladders to aircraft carriers, from NASCAR to national defense, and from the laboratory to sales and repair, the varied welding industry impacts virtually every industry. Technology is creating more uses for welding in the workplace. For example, new ways are being developed to bond dissimilar materials and non-metallic materials, such as plastics, composites, and new alloys. Also, advances in laser beam and electron beam welding, new fluxes, and other new technologies and techniques all point to an increasing need for highly trained and skilled workers. This program utilizes NCCER's four-level curriculum covering topics such as Oxyfuel Cutting, Welding Symbols, and Stainless-Steel Groove Welds. NCCER's curriculum also correlates to the AWS standards and guidelines for an Entry Welder. | | |
| Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 17002G1002 | Architecture and Construction | <ul style="list-style-type: none"> NCCER Core (module 6 is an elective and not required) NCCER Welding Level 1 Construction and Skilled Trade Assessment (CAST) <ul style="list-style-type: none"> AWS Certifications (one or more areas) -SMAW 3-G uphill progression D1.1 -GTAW 3-G uphill progression (steel) | <ul style="list-style-type: none"> Welder Certified Welding Inspector Welding Supervisor Under Water Welder Pipefitter |
| 17047G1001 | Career Pathway Project-Architecture & Construction | | |
| 17017G1000 | CTE Lab in Architecture & Construction | | |
| 12002G1003 | Project Management | | |
| 17049G1000 | Safety and Health Regulations | | |
| 13207G1003 | Welding: GMAW and FCAW | | |
| 13207G1001 | Welding: SMAW I | | |

| | | | |
|------------|------------------|---|---|
| 13207G1002 | Welding: SMAW II | <ul style="list-style-type: none"> -FCAW 3-G uphill progression D1.1 -GTAW 3-G uphill progression (aluminum) D1.2 -GMAW 3-G uphill progression D1.1 <ul style="list-style-type: none"> • Alabama Certified Employee (ACE) • OSHA 30 • Skid Steer – Skills for Success • Asphalt Roller – Skills for Success • Bulldozer – Skills for Success | <ul style="list-style-type: none"> • Industrial Maintenance Mechanic |
|------------|------------------|---|---|

Architecture and Construction Foundations

SDE# 17002G1002

1 term/1credit
Grades 9-12
Fee \$20.00

This course is the foundational course for the Architecture and Construction career cluster. It is the first step in any of the three pathways (Construction, Design and Preconstruction, or Maintenance and Operations). Topics include construction mathematics; hand and power tools; construction drawings, specifications, and layout; communication; and material handling.

Cabinet Finishing

SDE# 17007G1002

1 term/1credit
Grades 10-12
Fee: \$20.00

This course is designed to provide students with the fundamental knowledge and skills for the final stages of the cabinetmaking process. Topics include cabinet finishing and countertops.

Cabinetmaking Joinery

SDE# 17007G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course introduces students to the process of building high-quality finished cabinets, which requires great precision, attention to detail, and the ability to use a variety of specialized tools. The following areas will be covered: types of wood, hardware, layout, joints, and assembly.

Career Pathway Project in Architecture and Construction

SDE# 17047G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

Carpentry: Commercial Framing and Layout

SDE# 17013G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to equip students with fundamental knowledge and skills in the commercial construction industry. Students learn basic theory and practice hands-on application of skills. Topics include commercial drawings, steel framing, exterior finishes, thermal protection, roofing, doors, drywall, suspended ceilings, trim, and commercial cabinet installation.

Construction Building Systems

SDE# 17002G1003

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to provide knowledge and skills used with mechanical systems in the finishing phase of a structure. Topics include safety, plumbing, electrical wiring, and HVAC.

Construction Finishing

SDE# 17011G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to provide knowledge and skills used in applying a structure's exterior and interior finishes. Topics include exterior finishing, thermal and moisture protection, drywall, trim, stair layout, and cabinetry.

Construction Foundation Layout

SDE# 17002G1011

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to familiarize students with the site preparation phase of construction and the methods and materials used in constructing foundations. The course covers site and foundation plans and how to utilize plans to complete the beginning phases of construction. Topics include concrete properties, placing concrete, masonry terms, and light equipment.

CTE Lab in Architecture and Construction

SDE# 17017G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course 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.

Industrial Carpentry

SDE# 17013G1002

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to provide knowledge and skills needed for entry-level carpentry jobs in the commercial construction industry. The training starts with introductory skills for carpenters involving building materials, hand and power tools, rigging, construction drawings, concrete formwork, reinforcement of concrete, placement of concrete, and basic project layout skills.

Industrial Site Layout, Formwork, and Concrete

SDE# 17013G1003

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to introduce site layout, excavation, and concrete formwork, reinforcement, and placement. This course aims to prepare students for entry-level jobs in the commercial construction industry.

Residential Building

SDE# 17002G1010

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to familiarize students with the framing phase of building a structure and with framing components. Topics include floor systems, wall systems, ceiling joist and roof framing, roofing applications, and building envelope systems.

Wood Technology: Two-Dimensional Design

SDE# 17006G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to develop skills and knowledge of wood technology manufacturing processes and the use of Computerized Numerical Control (CNC) equipment. Topics include computer skills, CNC routing programming characteristics, CNC programming, and design and production of a two-dimensional product.

Wood Technology: Three-Dimensional Design

SDE# 117006G1002

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to develop skills and knowledge of three-dimensional wood technology manufacturing processes and Computerized Numerical Control (CNC) equipment. Topics include CNC mathematics and programming language, utilizing CAD-CAM software, advanced technology, and designing and manufacturing a three-dimensional product.

Safety & Health Regulation

SDE# 17049G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course designed to provide students with an understanding of basic safety standards, governmental and industry regulations, and individual responsibilities in workplace safety and health practices. Content focuses on identifying common safety hazards and minimizing or avoiding unsafe practices.

Project Management

SDE# 17056G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to introduce students to the myriad facets of Program and Project Management, test the character of each student as they juggle the complexities and conflicting demands, and initiate the development of difficult decision-making, for a successful program.

HVAC Fundamentals

SDE# 17056G1001

1 term/1 credit
Grades 9-12
Fee \$20.00

This course introduces the basic skills and knowledge required in the heating, ventilation, air conditioning, and refrigeration industry, including mathematical skills and the use of specialized tools. Topics include heat, comfort, and psychometrics; equipment; trade math; and electricity.

HVAC Installation and Operation

SDE# 17055G1001

1 term/1credit
Grades 9-12
Fee \$20.00

This course introduces students to procedures for installing heating, ventilation, air conditioning, and refrigeration (HVACR) equipment and performing basic preventive maintenance for HVACR systems. Emphasis is placed on interpreting information gathered about the system and using that information to determine whether the system is performing optimally.

HVAC Refrigeration Systems

SDE# 17052G1001

1 term/1credit
Grades 9-12
Fee \$20.00

This course introduces students to electrical components and controls for refrigeration systems. Emphasis is placed on advanced problem-solving techniques for electrical components and circuitry. Students utilize flow charts and diagrams and use trouble-shooting procedures to identify defective electrical components and describe operating procedures for components of a refrigeration system. Topics include alternating current, compressors, refrigerating piping design, refrigerants and oils, and basic maintenance.

Welding: GMAW and FCAW

SDE# 13207G1003

1 term/1credit
Grades 9-12
Fee \$20.00

This course introduces metal arc and flux-cored arc welding processes. Emphasis is placed on safe operating practices, handling, and storage of compressed gasses. Process principles, component identification, various welding techniques, and base and filler metal identification are introduced. This course aims to prepare students to perform GMAW and FCAW welds in various positions.

Welding: SMAW I

SDE# 13207G1001

1 term/1credit
Grades 9-12
Fee \$20.00

This course is designed to provide a fundamental understanding of welding safety and basic shielded metal arc welding (SMAW) equipment and procedures. Standards are designed to equip students with knowledge and skills for setting up equipment, preparing surfaces, and performing safe oxyfuel cutting and welding.

Welding: SMAW II

SDE# 13207G1002

1 term/1credit
Grades 9-12
Fee \$20.00

This course presents information and skills needed to weld pipes and plates of various kinds. Topics include SMAW open-root pipe welds, plate welding, and stainless steel and carbon steel welding. The course also incorporates information about gas tungsten arc (tungsten inert gas) welding.

Electrical Fundamentals

SDE# 17102G1000

1 term/1credit
Grades 9-12
Fee \$20.00

This course is designed to provide students with basic knowledge and skills for work in the electrical industry. The course emphasizes safety while addressing basic electrical theory, National Electrical Code (NEC), terminology, conductors, circuit construction, basic alternating current, reactive circuits, and troubleshooting circuits.

Electrical Installation

SDE# 17103G1001

1 term/1credit
Grades 9-12
Fee \$20.00

This course is designed to provide students with the knowledge and skills for the installation of electrical systems. The course emphasizes safety while addressing conduit bending, basic electrical construction drawings, electrical test equipment, alternating current, and conductor installation.

Electrical Technology

SDE# 17102G1001

1 term/1credit
Grades 9-12
Fee \$20.00

This course is an advanced study of the design and installation of residential, commercial, and industrial electrical systems. Topics include conductor selection, overcurrent protection, distribution systems, transformers, commercial electrical service, and selection and installation of luminaires for various situations. Precautions for hazardous locations are also stressed.

Motor Controls

SDE# 17104G1010

1 term/1credit
Grades 9-12
Fee \$20.00

This course introduces students to the calculations and procedures used with conductors and protection devices. A basic understanding of motor operation, components, and circuitry is essential for these tasks. This course provides information on selecting, sizing, and installing motor controllers, as well as control circuit pilot devices and basic relay logic.

Plumbing and Pipefitting

SDE# 17058G1001

1 term/1credit
Grades 9-12
Fee \$20.00

This course provides instruction regarding installation of pipe, drains, fixtures, and fittings using cast iron, copper, and stainless-steel pipes. Emphasis is placed on installing and testing water supply and drain lines, supporting pipes, and using fire-resistant materials in plumbing systems.

Plumbing Systems

SDE# 17058G1002

1 term/1credit
Grades 9-12
Fee \$20.00

This course provides instruction regarding plumbing materials, tools, supplies, equipment, and methods of installation for plastic pipes. Topics include safety, calculations, drawings, fixtures; drainage, waste, and vent systems; and water distribution systems. This course aims to enable students to join various pipes and fittings; make plumbing repairs; test drain, waste, and vent (DWV) piping; and install plumbing fixtures.

BUILDING CONSTRUCTION, HVAC & WELDING

Dual Enrolled Coastal Courses

| Building Construction | HVAC |
|---|--|
| 17049C1012 – CAR111 Construction Basics 17049C1013 – CAR112 Floors, Walls, & Site Preparation 17049C1014 – CAR113 Floors, Walls and Site Prep LAB 17049C1015 – CAR114 Construction Basics LAB 17049C1002 – BUC111 Basic Construction Layout 17049C1003 – BUC112 Const. Measurements and Cal. 17049C1016 – CAR131 Roof & Ceiling Systems 17049C1017 – CAR133 Roof and Ceiling Systems LAB 17149C1070 – ELT114 Residential Wiring Methods 22999C1003 – WKO110 NCCER Core | 17099C1022 – ACR148 Heat Pump Systems I 17099C1023 – ACR149 Heat Pump Systems II 17099C1001 – ACR111 Principles of Refrigeration 17099C1002 – ACR112 HVACR Service Procedures 17099C1006 – ACR121 Principles of Electricity 17099C1030 – ARC122 HVACR Electric Circuits 22999C1003 – WKO110 NCCER Core |

| Welding |
|--|
| 13249C1029 - WDT108 Shielded Metal Arc Fillet 13249C1036 - WDT122 Shielded Metal Arc Fillet Lab 13249C1030 - WDT109 Shielded Metal Arc Fillet/PAC/CAC 13249C1037 - WDT123 Shielded Metal Arc Fillet/PAC/CAC Lab 13249C1035 - WDT120 Shielded Metal Arc Welding Groove 13249C1039 - WDT125 Shielded Metal Arc Welding Groove Lab 13249C1034 - WDT119 Gas Metal Arc/Flux Core Arc Welding 13249C1038 - WDT124 Gas Metal Arc/Flux Core Arc 13249C1050 - WDT228 Gas Tungsten Arc Welding 13249C1058 - WDT140 Intro to Maritime 13249C1059 - WDT170 Intro to Maritime Structural Fitting 22999C1003 - WKO110 NCCER |

Building Construction

Construction Basics

SDE# 17049C1012
CAR111

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces students to the opportunities in and requirements of the construction industry. Topics include economic outlook for construction, employment outlook, job opportunities, training, apprenticeship, entrepreneurship, construction tools, materials, and equipment, job safety and OSHA standards. Upon course completion, students should be able to identify the job market, types of training, knowledge of apprenticeship opportunities, construction tools, materials, equipment, and safety procedures.

Floors, Walls, and Site Preparation

SDE# 17049C1013
CAR112

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces the student to site preparation, floor and wall layout, and construction. Topics include methods of site preparation, measurement and leveling tools, framing, layouts, and components of wall and floor framing to include beams, girders, floor joists, sub-flooring, partitions,

bracing, headers, sills, doors, and corners. Upon course completion, students will be able to identify various types of wall and floor framing systems and their components, identify building lines, setbacks, and demonstrate a working knowledge of leveling applications.

Floors, Walls, and Site Preparation LAB

SDE# 17049C1014
CAR113

1 term/1 credit
Grades 10-12
Fee: \$20.00

In this course the student will engage in applications of site preparation, floor and wall layout, and construction. Emphasis is placed on following job safety procedures, the use of required tools and equipment, performing site preparation, laying out and framing a floor system, and laying out, and erecting walls. Students will use various measurement and leveling tools, identify, and install beams, girders, floor joists, sub-flooring, and install various wall components such as partitions, bracing, headers, sills, doors and windows, and corners. Upon course completion, students should be able to follow proper safety procedures, identify building lines and setbacks, ensure proper site preparation, layout and frame a floor, and layout, frame, and erect walls.

Construction Basics LAB

SDE# 17049C1015
CAR114

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course provides practical and safe application of hand, portable power, stationary and pneumatic tools, use of building materials, fasteners and adhesives, and job site safety. Emphasis is placed on the safe use of hand, power, and pneumatic tools, proper selection of lumber, plywood, byproducts, nails, bolts, screws, adhesives, fasteners, construction materials, and job safety. Upon course completion, the student should be able to identify hand, power, stationary, and pneumatic tools and demonstrate their safe use; identify and properly select wood and non-wood building products, and properly use nails, fasteners and adhesives.

Basic Construction Layout

SDE# 17049C1002
BUC111

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course provides students basic building layout skills. Topics include the builder's level, transit and basic site layout techniques. Upon completion, students should be able to solve differential leveling problems, set up and operate the builder's level and transit, build batter boards, and perform basic construction layout procedures.

Construction Measurement & Calculations

SDE# 17049C1003
BUC112

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course focuses on the mathematics and calculations used in building construction. Topics include direct and computed measurements and practical applications of mathematical formulas. Upon completion, students should be able to apply measurement and mathematical formulas used in building construction.

Roof and Ceiling Systems

SDE# 17049C1016
CAR131

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course focuses on framing ceilings and roofs. Emphasis is placed on the various types of ceiling and roofing frames, rafters, trusses, ceiling joists, roof decking, and roofing materials. Upon completion, students should be able to explain how to frame a roof and ceiling, identify proper installation methods of roofing materials, and describe applicable safety rules.

Roof and Ceiling Systems LAB

SDE# 17049C1017
CAR133

1 term/1 credit
Grades 10-12
Fee: \$20.00

The course provides students with practical experience in roof and ceiling layout, framing, and installation. Upon completion, the student should be able to layout and frame a roof and ceiling, cut

and install rafters, and joists, install trusses, cut and apply roof decking and roofing materials, and apply job site safety rules.

Residential Wiring Methods

SDE# 17149C1070
ELT114

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces the student to electrical circuits and diagrams. Electrical symbols and basic wiring diagrams are constructed in this course. Upon completion, students should understand standard wiring diagrams and symbols and be able to construct various types of electrical circuits.

NCCER Core

SDE# 22999C1003
WKO110

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to provide students with knowledge and skills related to multi-craft technicians in a variety of fields. Information in this course is based on the National Center for Construction Education and Research (NCCER) core curriculum and prepares students to test for the NCCER Credential. High School students that have received a NCCER Core Certification Card in any Technical Program should not retake this course.

Heating, Ventilation and Air Conditioning

Heat Pump Systems I

SDE# 17099C1022
ACR148

1 term/1 credit
Grades 10-12
Fee: \$20.00

Instruction received in this course centers around the basic theory and application of heat pump systems and components. Upon completion students will be able to install and service heat pumps in a wide variety of applications

Heat Pump Systems II

SDE# 17099C1023
ACR149

1 term/1 credit
Grades 10-12
Fee: \$20.00

This is a continuation course of the basic theory and application of heat pump systems. Topics include the electrical components of heat pumps and their function. Upon completion student should be able to install and service heat pumps.

Principles of Refrigeration

SDE# 17099C1001
ACR111

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course emphasizes the fundamental principles for air conditioning and refrigeration. Instruction is provided in the theory and principles of refrigeration and heat transfer, HVAC/R system components, common, and specialty tools for HVAC/R, and application of the concepts of basic compression refrigeration. Upon completion, students should identify system components and understand their functions, identify, and use common and specialty HVACR tools, and maintain components of a basic compression refrigeration system.

HVACR Service Procedures

SDE# 17099C1002
ACR112

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course covers system performance checks and refrigerant cycle diagnosis. Emphasis is placed on the use of refrigerant recovery/recycle units, industry codes, refrigerant coils and correct methods of charging and recovering refrigerants. Upon completion, students should be able to properly

recover/recycle refrigerants and demonstrate safe, correct service procedures which comply with the no-venting laws.

Principles of Electricity for HVACR

SDE# 17099C1006
ACR121

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to provide the student with the basic knowledge of electrical theory and circuitry as it pertains to air conditioning and refrigeration. This course emphasizes safety, definitions, symbols, laws, circuits, and electrical test instruments. Upon completion students should understand and be able to apply the basic principles of HVACR circuits and circuit components.

HVACR Electric Circuits

SDE# 17099C1030
ACR122

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces the student to electrical circuits and diagrams. Electrical symbols and basic wiring diagrams are constructed in this course. Upon completion, students should understand standard wiring diagrams and symbols and be able to construct various types of electrical circuits.

Welding

Shielded Metal Arc Fillet/OFC

SDE# 13249C1029
WDT108
Co Requisite: WDT122

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxyfuel cutting.

Shielded Metal Arc Fillet/OFC LAB

SDE# 13249C1036
WDT122
Co Requisite: WDT108

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of oxy-fuel cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-3 groups in accordance with applicable welding code and be able to safely operate oxy-fuel equipment and perform those operations as per the applicable welding code.

Shielded Metal Arc Fillet/PAC/CAC

SDE# 13249C1030
WDT109
Co Requisite: WDT123

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting.

Shielded Metal Arc Fillet/PAC/CAC LAB

SDE# 13249C1037
WDT123
Co Requisite: WDT109

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of plasma arc and carbon arc cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-4 groups in accordance with applicable welding code and be able to safely operate plasma arc and carbon arc equipment and perform those operations as per applicable welding code.

Shielded Metal Arc Welding Groove

SDE# 13249C1035
WDT120
Co Requisite: WDT125

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course provides the student with instruction on joint design, joint preparation, and fit-up of groove welds in accordance with applicable welding codes. Emphasis is placed on safe operation, joint design, joint preparation, and fit-up. Upon completion, students should be able to identify the proper joint design, joint preparation and fit-up of groove welds in accordance with applicable welding codes.

Shielded Metal Arc Welding Groove LAB

SDE# 13249C1039
WDT125
Co Requisite: WDT120

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course provides instruction and demonstrations in the shielded metal arc welding process on carbon steel plate with various size F3 and F4 group electrodes in all positions. Emphasis is placed on welding groove joints and using various F3 and F4 group electrodes in all positions. Upon completion, the student should be able to make visually acceptable groove weld joints in accordance with applicable welding codes.

Gas Metal Arc/Flux Core Arc Welding

SDE# 13249C1034
WDT119

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces the student to the gas metal arc and flux cored arc welding process. Emphasis is placed on safe operating practices, handling and storage of compressed gasses, process principles, component identification, various welding techniques and base and filler metal identification.

Gas Metal Arc/Flux Core Arc Welding LAB

SDE# 13249C1038
WDT124

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course provides instruction and demonstration using the various transfer methods and techniques to gas metal arc and flux cored arc welds. Topics included are safety, equipment set-up, joint design and preparation, and gases.

NCCER Core

SDE# 22999C1003
WKO110

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to provide students with knowledge and skills related to multi-craft technicians in a variety of fields. Information in this course is based on the National Center for Construction Education and Research (NCCER) core curriculum and prepares students to test for the NCCER Credential. High School students that have received a NCCER Core Certification Card in any Technical Program should not retake this course.

Gas Tungsten Arc WeldingSDE# 13249C1050
WDT2281 term/1 credit
Grades 10-12
Fee: \$20.00

This course provides students with knowledge needed to perform gas tungsten arc welds using ferrous and /or non-ferrous metals, according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes.

Introduction to Maritime Industry (Austal Pre-Apprenticeship)SDE# 13249C1058
WDT1401 term/1 credit
Grades 10-12

*Must meet all requirements for employment with Austal

Introduces the facilities, methods, and processes used in the shipbuilding and repair industry. Describes the impact the industry has on the U.S. economy and explores the various craft opportunities available to workers. Provides an overview of the safety practices specific to the industry. Topics include safe operating practices, the purposes of OSHA (29 CFR 1915), the Environmental Protection Agency, the US Coast Guard, the US Navy, and the American Bureau of Shipping,

Introduction to Maritime Structural Fitting (Austal Pre-Apprenticeship)SDE# 13249C1059
WDT1701 term/1 credit
Grades 10-12

*Must meet all requirements for employment with Austal

This course is designed to cover Welding Safety, Oxyfuel Cutting, Base Metal Preparation, Weld Quality, Shielded Metal Arc Electrodes, Tack Welding, Fire Watch, Introduction to Structural Fitter Drawings, and Fitting One. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals.

ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS CLUSTER

| Career Pathway Program | Advertising Design Program (Must teach three courses from this program list within two years) | | |
|------------------------|---|--|--|
| | Advertising Design provides students with orientation experiences and laboratory safety for working in an advertising design studio environment. Topics of study include art history, art production, art criticism, design elements and principles, and materials and media utilized in the field of visual communication. Particular emphasis is placed on related academic skills. Instruction also includes information regarding various computer operations, applications and procedures, type styles, desktop publishing, layout and design techniques, mechanical production files, formats, and technology in the workplace. | | |
| | Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) |
| | In Demand Occupations | | |
| | 11051G1001 | Introduction to Advertising Design – Required Foundational Course | <ul style="list-style-type: none"> • Adobe Certified Professional – After Effects • Adobe Certified Professional – Dreamweaver • Adobe Certified Professional – Illustrator |
| | 11990G1001 | Foundation of Arts, Audio-Video Technology and Communication | |
| | 12165G1012 | Digital Design | |
| | 12165G1022 | Graphic Illustration | |
| | 12165G1001 | Studio and Portfolio | |

| | | | |
|------------|---|--|--|
| 11197G1002 | CTE Lab in Arts AV, TV, & Communication | <ul style="list-style-type: none"> • Adobe Certified Professional – InDesign • Adobe Certified Professional – Photoshop • Adobe Certified Professional – Premiere Pro • Certified Internet Webmaster E- Commerce • Certified Internet Webmaster Enterprise Developer • Certified Internet Webmaster Site Designer • FAA Part 107 • Microsoft Certified Professional + Internet (MCP+I) • Microsoft Certified Professional Site Building (MCP+Site Building) | <ul style="list-style-type: none"> • Production Artist • Visual Designer |
| 11197G1001 | Senior Career Pathway Project - Arts, A/V Tech & Communications | | |

Introduction to Advertising Design

SDE# 11051G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

This course is an introduction to Advertising Design is a one-credit course that provides students with orientation experiences and laboratory safety for working in an advertising design studio environment. Topics of study include art history, art production, art criticism, design elements and principles, and materials and media utilized in the field of visual communication.

Foundation of Arts, Audio-Video Technology and Communication

SDE# 11990G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

This course is a one-credit course designed to introduce students to the areas of advertising design, animation, commercial photography, graphic arts, and television production. Classroom, laboratory, and real-world experiences promote teamwork, leadership, and further opportunities for application of knowledge and skills.

Digital Design

SDE# 12165G1012

1 term/1 credit

Grades 9-12

Fee: \$20.00

This course is designed for students who have successfully completed the Introduction to Advertising Design course or have completed one credit in Visual Arts. Digital Design provides students with hands-on experiences addressing a variety of components of information design. Instruction includes information regarding various computer operations, applications and procedures, type styles, desktop publishing, layout and design techniques, mechanical production files, formats, and technology in the workplace. Skills gained in this course prepare students for the Graphic Illustration course, the next level of study in the Advertising Design program.

Graphic Illustration

SDE# 12165G1022

1 term/1 credit

Grades 9-12

Fee: \$20.00

This course provides students with experiences and instruction in object and information design. Students apply the elements of design and sharpen visual communication skills. They design projects that allow them to manipulate graphic applications and demonstrate mastery of these skills. Topics of

study include interior design, fashion illustrations, computer and hand drawings, and exploration of software, package design, typography, and digital photography. Skills developed in these areas prepare students for the final course in the sequence, Studio and Portfolio. Digital Design is the prerequisite for Graphic Illustration.

Studio & Portfolio

SDE# 12165G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

A one-credit course that provides students with the opportunity to create projects utilizing traditional and electronic portfolio presentations. This course prepares students for postsecondary education and/or entry-level positions in the advertising design industry. The prerequisite for this course is Graphic Illustration.

CTE Lab in Arts, AV Television, and Communication

SDE# 11197G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Arts, AV Television, and Communication through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities. Students may take this course multiple times.

Senior Career Pathway Projects-Arts, A/V Tech & Communications

SDE# 11197G1001

1 term/1 credit
Grades 9-12
Fee: \$20.00

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

AVIATION

Coastal Alabama Community College Program

| Aviation |
|---|
| 20999C1001 - AMT100 Technical Preparation 20999C1002 - AMT101 Basic Electricity 20999C1003 - AMT102 Materials and Processes 20999C1004 - AMT110 Non-Metallic Structures & Welding 20999C1005 - AMT111 Aircraft Sheet Metal Structures 20999C1006 - AMT112 Airframe Systems I 20999C1007 - AMT113 Airframe Systems II 20999C1022 - AMT114 Airframe Systems III 20999C1023 - AMT115 Airframe Systems IV |

Technical Preparation

SDE# 20999C1001
AMT100

1 term/1 credit
Grades 10-12

This course introduces basic information necessary for entering students in aviation maintenance technology. Emphasis is placed on math and physics, aircraft weight and balance, and Federal Aviation Administration (FAA) and manufacturers' technical and legal publications. Upon Completion students should be able to make basic computations, apply principles of physics, compute weight and balance, use maintenance forms and records, state mechanic's privileges and limitations, and interpret maintenance publications.

Basic Electricity

SDE# 20999C1002
AMT101

1 term/1 credit
Grades 10-12

This course provides a study in electricity. Emphasis is placed on alternating current (AC) and direct current (DC) circuits and controls, electrical measurements, electrical test equipment, aircraft batteries, fundamental electronics, and semiconductor devices. Upon completion, students should be able to solve problems associated with electrical measurements, use basic electrical test equipment and service aircraft batteries.

Materials and Processes

SDE# 20999C1003
AMT102

1 term/1 credit
Grades 10-12

This course introduces aircraft hardware and materials, precision measuring and non-destructive testing, aircraft ground operations, fuels, cleaning and corrosion control methods, and the use of aircraft drawings. Emphasis is on identification and selection of aircraft hardware, performance of non-destructive testing, fabrication and inspection of flexible fluid lines, identification of fuels, use of cleaning materials, and corrosion control programs. Upon completion, students should be able to perform non-destructive tests, use precision measuring tools, fabricate and install rigid and flexible fluid lines, select hardware and fuels, handle and secure an aircraft, and identify, read, create and interpret aircraft drawings.

Non-Metallic Structures and Welding

SDE# 20999C1004
AMT110

1 term/1 credit
Grades 10-12

This course is a study of repairs to non-metallic aircraft surfaces and structures and welding. Emphasis is placed on repairs to fabric surfaces, to wood surfaces, and to composite and steel structures. Upon completion, students should be able to repair fabric surfaces and apply finishing materials, make repairs to wood structures, layout and form composite repairs, and make repairs to steel structures using various welding methods.

Aircraft Sheet Metal Structures

SDE# 20999C1005
AMT111

1 term/1 credit
Grades 10-12

This course introduces aircraft electrical, communication, and navigation systems and components. Emphasis is placed on inspecting, repairing, installing, adjusting, and troubleshooting aircraft alternating and direct current electrical systems. Upon completion, students should know the operation and theory of generators, alternators, and starters; be able to fabricate wiring; and inspect troubleshooting, and repair lighting, communication and navigation systems.

Airframe Systems I

SDE# 20999C1006
AMT112

1 term/ 1 credit
Grades 10-12

This course introduces aircraft electrical, communication, and navigation systems and components. Emphasis is placed on inspecting, repairing, installing, adjusting, and troubleshooting aircraft

alternating and direct current electrical systems. Upon completion, students should know the operation and theory of generators, alternators, and starters; be able to fabricate wiring; and, inspect, troubleshoot, and repair lighting, communication, and navigation systems.

Airframe Systems II

SDE# 20999C1007
AMT113

1 term/ 1 credit
Grades 10-12

This course introduces aircraft inclement weather control, fire protection and fuel systems as well as on cabin environmental control, and instrumentation. Emphasis is placed on theory and skills necessary to inspect, service, maintain, and troubleshoot. Upon completion, students should be able to inspect, repair, troubleshoot, and understand operating principles of ice and rain removal, fire protection, cabin environmental, instruments and fuel systems.

Airframe Systems III

SDE# 20999C1022
AMT114

1 term/1 credit
Grades 10-12

This course introduces the theory of operation of various hydraulic and pneumatic components and systems, landing gear systems, and various position and warning systems. Emphasis is on testing, inspecting, troubleshooting, and servicing hydraulic and pneumatic system components, wheel and brake systems, and position and warning systems. Upon completion, students should be able to inspect, troubleshoot, and repair hydraulic and pneumatic power systems, aircraft wheels and tires, aircraft landing gear systems, anti-skid and electrical braking systems, and position and warning systems.

Airframe Systems IV

SDE# 20999C1023
AMT115

1 term/1 credit
Grades 10-12

This course introduces aircraft structural assembly and rigging, helicopters, and required inspections. Emphasis is placed on skills required to inspect, service, maintain, and troubleshoot airframes, airframe systems, and components and assemble and rig aircraft structures. Upon completion, students should be able to inspect, repair, troubleshoot, assemble, and rig aircraft structures, and determine the condition of airframes, airframe systems, and components.

BALDWIN COUNTY TEACHER **CADET ACADEMY**

| Baldwin Preparatory | |
|----------------------------|--|
| 19199C1001 – CHD100 | Introduction of Early Care and Education of Children |
| 19199C1012 – CHD202 | Children's Creative Experiences |
| 19199C1005 – CHD204 | Methods and Materials for Teaching Children |
| 19199C1007 – CHD206 | Children's Health and Safety |
| 19199C1013 – CHD203 | Children's Literature and Language Development |
| 19199C1017 – CHD210 | Educating Children with Exceptional Needs |
| 22999C10T1 – UWA103 | Career Explorations in Education (1) |
| 22999C10T2 – ED300 | Introduction to Education |
| 22999C10T3 – ED303 | Classroom Management |

CHD100: Introduction of Early Care and Education of Children

SDE# 19199C1001

1 term /1 credit
Grades 11-12
Fee: \$20.00

This course introduces students to the child education and care profession. It is designed to increase understanding of the basic concepts of child development and the developmental characteristics of children from birth through age 8/9 years, including infant and toddler and pre-school years. This course is the foundation for planning appropriate activities for children and establishing appropriate expectations of young children. This class also offers an opportunity to study the developmental domains (social, emotional, cognitive/ language and physical). Course includes observations of the young child in early childhood settings.

CHD202: Children's Creative Experiences

SDE# 19199C1012

1 term /1 credit
Grades 11-12
Fee: \$20.00

This course focuses on fostering creativity in preschool children and developing a creative attitude in teachers. Topics include selecting and developing creative experiences in language arts, music, art, science, math and movement with observation and participation with young children required. On completion, student will be able to select and implement creative and age-appropriate experiences for young children.

CHD204: Methods and Materials for Teaching Children

SDE# 19199C1005

1 term /1 credit
Grades 11-12
Fee: \$20.00

This course introduces basic methods and materials use in teaching young children. Emphasis is placed on students compiling a professional resource file of activities used for teaching math, language arts, science, and social studies concepts. Upon completion students will be able to demonstrate basic methods of creating learning experiences using developmentally appropriate techniques, materials, and realistic expectations, including infant and toddler and pre-school. Course includes observations of young children in a variety of childcare environments.

NOTE: CGM must teach this as a 2-1-3 configuration of theory/lab hours.

CHD206: Children's Health and Safety

SDE# 19199C1007

1 term /1 credit
Grades 11-12
Fee: \$20.00

This course introduces basic health, nutrition, and safety management practices for young children. Emphasis is placed on how to set up and maintaining safe, healthy environments for young children including specific procedures for infants and toddlers and procedures regarding childhood illnesses and communicable diseases.

CHD203 Children's Lit and Language Development

SDE# 19199C1013

1 term /1 credit
Grades 11-12
Fee: \$20.00

This course surveys appropriate literature and language arts activities designed to enhance young children's speaking, listening, pre-reading and writing skills. Emphasis is placed on developmental appropriateness as related to language. Upon completion, students should be able to create, evaluate and demonstrate activities which support a language-rich environment for young children. This is a CORE course.

CHD210 Educating Exceptional Children

SDE# 19199C1017

1 term /1 credit
Grades 11-12
Fee: \$20.00

This course explores the many different types of exceptionalities found in young children. Topics include speech, language, hearing and visual impairments, gifted and talented children, mental retardation, emotional, behavioral, and neurological handicaps. Upon completion, students should be able to identify appropriate strategies for working with children. This is a CORE course.

ED300 Introduction to Education

SDE# 22999C10T2

1 term /1 credit
Grades 11-12
Fee: \$20.00

Content includes qualities needed by the teacher, opportunities for employment, financial compensation and other rewards, requirements for certification, responsibilities of the prospective teacher, what the teaching act involves, a systematic approach to the application of psychology to the learning process, and the requirements of the UWA teacher education program.

D303 Classroom Management

SDE# 22999C10T3

1 term /1 credit
Grades 11-12
Fee: \$20.00

This course is designed for teacher candidates to gain an understanding of best practices in classroom organization and management. The focus of the course will be on Alabama Quality Teaching Standards that address learning environment, relationships, intrinsic motivation, responsibility, and character education.

UWA103: Career Explorations in Education (1)

SDE# 22999C10T1

1 term /1 credit
Grades 11-12
Fee: \$20.00

An investigation of programs available in the College of Education and requirements for each program. Observation in classrooms and participation in professional learning communities required. Submission of fingerprints required through Cogent.

COSMETOLOGY & BARBERING CLUSTER

| Career Pathway Program | Cosmetology and Barbering Program (Must teach three courses from this program list within two years) The Cosmetology and Barbering program in the Human Services cluster focuses on preparing students for employment in careers that relate to personal grooming services, customer relations, retail sales, and salon management and ownership. | | |
|------------------------|--|--|--|
| | Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) In Demand Occupations |
| | 19102G1001 | Barbering Fundamentals – Required Foundation Course for Pathway | <ul style="list-style-type: none"> Alabama Certified Employee (ACE) Barbering Licensure Barber Cosmetologist Dermatology Technician |
| | 19103G1002 | Chemical Services | |

| | | | |
|------------|--|--|---|
| 19103G1001 | Haircoloring | <ul style="list-style-type: none"> • Certiport- Entrepreneurship and Small Business (must hold concentrator status) • Cosmetology Licensure • Esthetics Licensure • Manicure Licensure • National Retail Federation – National Professional Certification in Customer Service and Sales • Natural Hair Styling Licensure | <ul style="list-style-type: none"> • Esthetician • Hair Colorist • Manicurist and Pedicurist • Nail Technician • Shampoo Assistant • Skin Care Specialist |
| 19147G1006 | Career Pathway Project in Cosmetology and Barbering | | |
| 19147G1005 | CTE Lab in Cosmetology and Barbering | | |
| 19107G1003 | Salon Practices and Management | | |
| 19149G1000 | State Board Practicum | | |
| | OR | | |
| 19101G1001 | Cosmetology Fundamentals – Required Foundation Course for Pathway | | |
| 19103G1002 | Chemical Services | | |
| 19103G1001 | Haircoloring | | |
| 19147G1006 | Career Pathway Project in Cosmetology and Barbering | | |
| 19147G1005 | CTE Lab in Cosmetology and Barbering | | |
| 19107G1003 | Salon Practices and Management | | |
| 19149G1000 | State Board Practicum | | |
| | OR | | |
| 19147G1006 | Career Pathway Project in Cosmetology and Barbering | | |
| 19147G1005 | CTE Lab in Cosmetology and Barbering | | |
| 19105G1005 | Nail Technology I – Required Foundation Course for Pathway | | |
| 19105G1006 | Nail Technology II | | |
| | OR | | |
| 19147G1006 | Career Pathway Project in Cosmetology and Barbering | | |
| 19101G1001 | Cosmetology Fundamentals – Required Foundation Course for Pathway | | |
| 19147G1005 | CTE Lab in Cosmetology and Barbering | | |
| 19103G1005 | Natural Hairstyling | | |
| | OR | | |
| 19147G1006 | Career Pathway Project in Cosmetology and Barbering | | |
| 19147G1005 | CTE Lab in Cosmetology and Barbering | | |
| 19106G1001 | Spa Techniques I – Required Foundation Course for Pathway | | |
| 19106G1002 | Spa Techniques II | | |

Barbering Fundamentals

SDE# 19102G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

A one credit course which is the prerequisite for all other courses in the barbering pathway. It presents the knowledge and skills needed for a career in barbering, including basic procedures of shampooing, hair shaping, hair styling, shaving, manicures, and pedicures. Safety and sanitation are stressed in all areas. Specific topics include barbering history, infection control principles and practices, hair and facial services, principles of hair design and haircutting, and manicure and pedicure services.

Chemical Services

SDE# 19103G1002

1 term/1 credit

Grades 10-12

Fee: \$20.00

Chemical Services is designed to enable students to perform various chemical texturing services, including relaxers, permanent waves, straighteners, and soft curls, in a safe and effective manner. Emphasis is placed on sanitation, client safety, chemical composition of the hair, scalp disorders and treatments, and effects of chemical applications on the hair and scalp.

Cosmetology Fundamentals

SDE# 19101G1001

1 term/1 credit

Grades 10-12

Fee: \$20.00

Cosmetology Fundamentals is the prerequisite for all other courses in the cosmetology pathway. This course is designed to provide students with an overview of the history and development of the cosmetology industry and basic information regarding principles and practices of infection control, diseases and disorders, essential practices of hair care, concepts of hair designing, and fundamentals of hair cutting. The information presented in this course is enhanced by hands-on practice performed in a controlled lab environment. The standards require students to apply safety rules, regulations, and procedures for basic skills identified in this course.

CTE Lab in Cosmetology and Barbering

SDE# 19147G1005

1 term/1 credit

Grades 10-12

Fee: \$20.00

CTE Lab in Cosmetology and Barbering is designed to enhance the student's general understanding and mastery of the Cosmetology and Barbering program. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.

Hair Coloring

SDE# 19103G1001

1 term/1 credit

Grades 10-12

Fee: \$20.00

Hair Coloring presents techniques for coloring and lightening hair. Emphasis is placed on color application, laws of color, levels, and classifications of color, and problem-solving. The course is designed to enable students to identify all classifications of hair color and their effects on the hair. Topics include safety and sanitation, properties of hair and scalp, principles of hair coloring, concepts of hair lightening, color and lightening applications, and color correction. It is strongly suggested that students complete Chemical Services before taking Hair Coloring.

Nail Technology I

SDE# 19105G1005

1 term/1 credit

Grades 10-12

Fee: \$20.00

Nail Technology I introduces fundamental aspects of the nail care industry. It is designed to equip students with the knowledge and skills to perform a variety of nail services, recognize nail disorders and diseases, identify, and perform procedures for sanitation, and conduct themselves in a professional manner. Topics also address anatomy, physiology, and chemistry related to nail services.

Nail Technology II

SDE# 19105G1006

1 term/1 credit

Grades 10-12

Fee: \$20.00

Nail Technology II is designed to equip students with knowledge and skills needed to perform advanced nail techniques, building upon concepts and skills presented in Nail Technology I. The

course focuses on selecting and applying techniques for nail sculpturing and nail art. It also introduces nail salon business skills.

Natural Hairstyling

SDE# 19103G1005

1 term/1 credit
Grades 10-12
Fee: \$20.00

Natural Hairstyling presents the knowledge and skills needed to provide natural hairstyling services. The course content includes natural hairstyling history, safety and sanitation, human anatomy and physiology, basic chemistry of hairstyling products, natural haircare services, materials and tools, and natural hairstyling procedures.

Salon Practices and Management

SDE# 19107G1003

1 term/1 credit
Grades 10-12
Fee: \$20.00

Salon Practices and Management focuses on the process of opening a business, maintaining the business, and preparing future employees who might be a part of that business. It is designed to equip students with entry-level management skills for the hair care industry, including planning and managing inventory; creating and maintaining budgets; recruiting, selecting, and retaining quality personnel; understanding tax laws for payroll and sales; and demonstrating professional ethics and communication skills. Topics include legal requirements, business plans, salon business practices, and entrepreneurship.

Spa Techniques I

SDE# 19106G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

Spa Techniques I focuses on anatomy and physiology as they relate to the cosmetology industry, basic facials, and facial makeup. This course is designed to provide an understanding of cosmetic color theory and knowledge of cells, tissues, and essential body systems, including the structure, growth, and nutrition of skin. Standards require students to follow product application procedures for basic facials and basic makeup, conduct client consultations, and demonstrate facial massage movements. Sanitary precautions and safety are emphasized in the performance of these services.

Spa Techniques II

SDE# 19106G1002

1 term/1 credit
Grades 10-12
Fee: \$20.00

Spa Techniques II provides students with study and experience in the components of healthy skin, advanced skin care, advanced cosmetics, and hair removal. This course is designed to equip students with skills for selecting and applying products for advanced facials and makeup applications, performing hair removal, and applying artificial lashes. Safety and sanitary precautions are emphasized in the performance of these services.

State Board Practicum

SDE# 19149G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

State Board Practicum is a culminating course that provides students with a comprehensive study of State Board procedures and practical applications in cosmetology and barbering. The course content includes candidate information bulletin, salon and spa infection control, hair design techniques, haircutting, chemical services, hair coloring, nail care, and skincare services. This course is designed to prepare students to demonstrate practical skills necessary for meeting state licensure requirements and for successful employment. One of the fundamentals courses must be taken first, but remaining prerequisites may be taken in any order.

Career Pathway Project in Cosmetology and Barbering

SDE# 19147G1006

1 term/1 credit

Grades 10-12

Fee: \$20.00

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

HEALTH SCIENCE CLUSTER

| Career Pathway Program | Health Science Program (Must teach three courses from this program list within two years) | | |
|------------------------|---|---|---|
| | The Health Science Program instructional content incorporates project- and problem-based healthcare practices and procedures to demonstrate knowledge and skills fundamental to a variety of healthcare careers. Knowledge and skills are reinforced and enhanced through participation in HOSA – Future Health Professionals and work-based learning opportunities that are age and grade appropriate. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 14002G1001 | Foundations of Health Science – Required prerequisite course/Health Education Substitution | <ul style="list-style-type: none"> • BLS Instructor with Healthcare Provider • Certified Billing and Coding Specialist (CBCS) • Certified Patient Care Technician (CPCT) • Certified Nursing Assistant (CNA) • Certified Electronic Health Records Specialist (CEHRS) • Certified Medical Administrative Assistant (CMAA) • Certified EKG Technician (CET) • Certified Pharmacy Technician (CPhT) • Certified Clinical Medical Assistant (CCMA) • National Emergency Medical Responder (EMR) • National Emergency Medical Technician (EMT) • Lifeguard Certification (American Lifeguard Association or American Red Cross) | <ul style="list-style-type: none"> • Therapeutic Services Pathway • Diagnostic Services Pathway • Health Informatics Pathway • Support Services Pathway • Biotechnology Research and Development Pathway |
| 14297G1000 | Advanced Health Seminar | | |
| 14054G1000 | Dental Assisting | | |
| 14149G1000 | Diagnostic Services | | |
| 14055G1000 | Emergency Services and Management | | |
| 14062G1005 | Exercise Prescription Physiology | | |
| 15055G1000 | Forensic Science and Crime Scene Investigation - Science credit eligible | | |
| 14157G1000 | Health Informatics | | |
| 14298G1000 | Health Science Internship 1 credit option (Content Standards 1, 3, 4, 5, 6, and 9), 11 th or 12 th grade | | |
| 14298G2000 | Health Science Internship, 2 credit option (Content Standards 1-11), 11 th or 12 th | | |
| 14299G1001 | Human Body Structures and Functions – Science credit eligible | | |
| 14252G1001 | Introduction to Biotechnology -Science credit eligible | | |
| 14152G1000 | Introduction to Pharmacy | | |
| 18105G1012 | Introduction to Veterinary Sciences | | |
| 14062G1004 | Kinesiology and Biomechanics | | |
| 14156G1000 | Medical Coding | | |
| 14154G1000 | Medical Terminology | | |
| 14051G2000 | Nurse Aide Training (11th or 12th grade only) | | |
| 14254G1000 | Nutrition in Healthcare | | |
| 14056G1000 | Operating Room Foundations | | |

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|------------|---|--|--|
| 14002G1002 | Orientation to Health Science | | |
| 14051G1000 | Patient Care Technician | | |
| 14152G1001 | Pharmacy Technician | | |
| 17049G1000 | Safety and Health Regulations* | | |
| 14997G1000 | Senior Career Pathway Project, Health Science | | |
| 14062G1003 | Sports Medicine Fundamentals | | |
| 14062G1001 | Sports Medicine Intermediate | | |
| 14062G1002 | Sports Medicine Advanced (11 th or 12 th grade) | | |
| 14202G1000 | Support Services | | |
| 14099G1000 | Therapeutic Services | | |
| 18105G1022 | Veterinary Science | | |
| 14999G1000 | CTE Lab in Health Science | | |

Health Science Dual Enrolled Coastal Courses

| Health Science |
|---|
| 14999C1004 – EMT118 Emergency Medical Technician 14999C0505 – EMS119 Emergency Medical Technician Clinic 14999C1034 – NAS100 Long Term Care Nursing Assistant (CNA) |

Emergency Medical Technician

SDE# 14999C1004
EMS118

1 term/1 credit
Grades 10-12

This course covers the theory and application of larger heating systems. Emphasis is placed on larger heating systems associated with commercial applications such as gas heaters, boilers, unit heaters, and duct heaters. Upon completion, students should be able to troubleshoot and perform general maintenance on commercial heating systems.

Emergency Medical Technician Clinical

SDE# 14999C0505
EMS119

1 term/1 credit
Grades 10-12

This course covers the theory and application of larger heating systems. Emphasis is placed on larger heating systems associated with commercial applications such as gas heaters, boilers, unit heaters, and duct heaters. Upon completion, students should be able to troubleshoot and perform general maintenance on commercial heating systems.

Long Term Care Nursing Assistant (CNA)

SDE# 14999C1034
NAS100

1 term/1 credit
Grades 10-12
Fees: \$20.00

This course fulfills the seventy-five (75) hour Omnibus Budget Reconciliation Act (OBRA) requirements for training of long-term care nursing assistants in preparation for certification through competency evaluation. Emphasis is placed on the development of the knowledge, attitudes, and skills required of the long-term care nursing assistant. Upon completion of this course, the student should demonstrate satisfactory performance on written examinations and clinical skills.

**** Successful completion of one credit (minimum) in Health Science coursework is required prior to placement of a student in a clinical/internship. A program receiving a waiver for the Foundations of Health Science prerequisite is not exempt from the requirement. Please refer to the Internship manual for forms and contracts to be used with LEA board approval.**

Foundations of Health Science

SDE# 14002G1001

1 term/1 credit

Grades 10-12

Fee: \$20.00

Foundations of Health Science is a required course that introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is the prerequisite for all the health science courses. It is recommended for all students who want to prepare for further study in an array of health-related fields at the postsecondary level.

Advanced Health Seminar

SDE# 14297G1000

1 term/1 credit

Grades 10-12

Fee: \$20.00

Advanced Health Seminar is a one-credit course that provides an individualized learning experience for students who desire an in-depth study in at least one occupational area in the Health Science cluster.

Dental Assisting

SDE# 14297G1000

1 term/1 credit

Grades 10-12

Fee: \$20.00

Dental Assisting is a half-credit course that introduces students in Grades 10-12 to the dental profession. Course content specifies core knowledge and skills needed by workers in a dental office. The content emphasizes careers in dental care, the history and use of dentistry, infection control, and dental care procedures. Upon successful completion of this course, students may choose to continue studies in Advanced Health Seminar or Work-Based Experience Seminar. Foundations of Health Science is a prerequisite course.

Diagnostic Services

SDE# 14149G1000

1 term/1 credit

Grades 10-12

Fee: \$20.00

Diagnostic Services is a one-credit course designed to inform students of the rapid changes in business and industry by offering a rigorous array of course work and work-based experiences to help prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide the local education agency flexibility to meet healthcare demands in the community.

Exercise Prescription Physiology

SDE# 14062G1005

1 term/1 credit

Grades 10-12

Fee: \$20.00

Exercise Prescription & Physiology is a one-credit course that provides an overview of the principles of exercise testing and prescription based on current practices in physical education, physiology, and rehabilitation for normal, healthy individuals, and special populations.

Emergency Services and Management

SDE# 14055G1000

1 Term/1 Credit

Grades 10-12

Fee: \$20.00

In Emergency Services and Management, students prepare for careers in the emergency management field. Students will learn about the integration of all public safety functions into the process of managing major natural and man-made disasters. Students will be introduced to the National Incident Management Systems and practice emergency communications among

professionals and between professionals and the public to ensure effective handling of emergency events.

Forensic Science and Crime Scene Investigation

SDE# 15055G1000

1 Term/1 Credit
Grades 10-12
Fee: \$20.00

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.

Health Informatics

SDE# 14157G1000

1 Term/1 Credit
Grades 10-12
Fee: \$20.00

Health Informatics is a one-credit course that introduces students to careers in health information services. Course content specifics core knowledge and skills and work-based experiences needed by workers in the health informatics career path. Foundations of Health Science and Medical Terminology are prerequisite courses.

Health Science Internship I

SDE # 14298G1000

Prerequisite: Foundations of Health Science

1 term/1 credit
Grades 10-12
Fee: \$20.00

Health Science Internship is a course designed for students in Grades 11 or 12. This course includes a variety of knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary health care education programs. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facilities. Theory and laboratory components comprise at least ten percent of the Health Science Internship course.

Health Science Internship II

SDE # 14298G2000

Prerequisite: Foundations of Health Science

1 term/2 credits
Grades 11-12
Fee: \$20.00

Health Science Internship is a two-credit course designed for students in Grades 11 or 12. This course includes a variety of knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary health care education programs. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facilities. Theory and laboratory components comprise at least ten percent of the Health Science Internship course.

Human Body Structures and Functions

SDE# 14299G1001

1 term/1credit
Grades 10-12
Fee: \$20.00

Human Body Structures and Functions is a course designed to help students develop a basic knowledge of the normal structure and function of the human body. The course uses an integrated approach for teaching medical terminology to the health care student by incorporating medical terminology into instruction regarding human body structures and functions and the disease process.

Introduction to Biotechnology

SDE# 14252G1001

1 term/1credit
Grades 10-12
Fee: \$20.00

Introduction to Biotechnology is a one-credit course designed to provide an overview of the biotechnology field. It is suggested that this elective course be offered to advance senior level students. Subject matter includes career choices, skill development, and application of science concepts relative to biomedical research and development. Students gain a basic understanding of laboratory procedures fundamental to biomedical research through course topics that include

Mendelian genetics, gene structure and function, inheritance patterns, genetic abnormalities, and the Human Genome Project

Introduction to Pharmacy
SDE# 14152G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

A one-credit course that introduces students to the pharmaceutical profession. The course covers content related to the history of medicine, mathematics, technology, legal issues, and technical skills.

Introduction to Veterinary Science
SDE# 18105G1012

1 term/1 credit
Grades 10-12
Fee: \$20.00

Veterinary Science is designed to prepare students for entry-level employment or for advanced training as veterinary assistants. Topics include safety, medical terminology, scientific classification, health and disease, anatomy and physiology, applied clinical mathematics, anesthesiology and basic surgical procedures, business management practices, veterinary law and ethics, and applications of technology.

Kinesiology and Biomechanics
SDE# 14062G1004

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Kinesiology & Biomechanics is a one-credit course that provides an overview of the field of kinesiology and biomechanics, as well as exposes students to fundamental skills involved in a sports medicine healthcare setting. Students will learn about the musculoskeletal anatomy of the human body, as well as the mechanical properties and structural behavior of the different body tissues.

Medical Coding
SDE# 14154G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Medical Coding is a one-credit course that is designed for students to gain knowledge about basic principles of coding and clinical classification systems. Students will study reimbursement methodologies, health records and data, health information requirements and standards, patient confidentiality, privacy, legal, and ethical issues.

Medical Terminology
SDE# 14154G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Medical Terminology is a one-credit course that is designed for students to develop health care specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language of medicine to the health care student by incorporating medical terminology with anatomy and physiology and the disease process. This method has been proven to be a logical and effective method of learning the language of medicine.

Nurse Aid Training
SDE# 14051G2000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Nurse Aide Training is a two-credit course. Students pursue skill mastery in the classroom, laboratory, and clinical area. The Nurse Aide Training program and Health Science instructor must be approved by the Alabama Department of Public Health (ADPH), Division of Health Care Services, for students to be eligible to take the National Nurse Aide Assessment. Students must successfully complete an approved program and pass the National Nurse Aide Assessment certification exam to become a Certified Nurse Aide (CNA).

Nutrition in Healthcare
SDE# 14254G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Nutrition in Healthcare is a one-credit course that is designed to introduce students to content regarding food composition and nutrition research and development as it relates to healthcare. A review will be conducted regarding the connection of diet and nutrition and the effects on body systems. Students will compare the relationship between nutrition diagnoses and a medical diagnosis.

Operating Room Foundations
SDE# 14056G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Operating Room Foundations is a one-credit course that introduces students to the exciting and dynamic world of the operating room and exposes students to an array of multidisciplinary specialties and concepts within perioperative medicine. Course content focuses on the knowledge and skills needed to promote patient safety and optimize surgical outcomes.

Orientation to Health Science
SDE# 14002G1002

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Orientation to Health Science is a one credit course to assist students in making informed decisions regarding their college and career goals. Students will be given the opportunity to apply knowledge and skills related to the Health Science cluster. The course also includes information concerning the practices for promoting health, wellness, and disease prevention.

Patient Care Technician
SDE# 14051G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

Patient Care Technician is a one credit course that provides students the opportunity to become effective and efficient multi-skilled healthcare providers. Students will develop a working knowledge of advanced patient care skills, vital signs, 12-lead EKG's, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing. Essential workforce skills and safety will be emphasized, as well as professional ethics and legal responsibilities. Students will ascertain employability skills and soft skills required by business and industry. Upon successful completion of required theory, lab, and simulation, students may be eligible to sit for Patient Care Technician Certification. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Pharmacy Technician
SDE# 14152G1001

1 term/1 Credit
Grades 9-12
Fee: \$20.00

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

Safety and Health Regulations
SDE# 17049G1000

1 term/1 Credit
Grades 9-12
Fee: \$20.00

A one-credit course designed to provide students with an understanding of basic safety standards, governmental and industry regulations, and individual responsibilities in workplace safety and health practices. Content focuses on identifying common safety hazards and minimizing or avoiding unsafe practices.

Sports Medicine Fundamentals

SDE# 14062G1003

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Sports Medicine Fundamentals is a one credit course that will provide an overview of the field of sports medicine as well as expose students to fundamental skills. The importance of legal and ethical concerns will be emphasized. Students will learn about career opportunities, medical terminology, safety, assessment, and emergency preparedness in sports medicine.

Sports Medicine Intermediate

SDE# 14062G1001

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Sports Medicine Intermediate is a one credit course that teaches fundamental skills to include therapeutic exercise regimens within the field of sports medicine. Students will explore the study of sports medicine and the relationship to risk management and injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The importance of health promotion, wellness, injury and disease prevention will be emphasized. Students will examine sports medicine facilities, policies, procedures, and protocols utilized in patient care.

Sports Medicine Advanced

SDE# 14062G1002

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Sports Medicine Advanced is a one credit course with strong emphasis on musculoskeletal injuries as well as the psychological and sociological responses to injuries and illness. Students will demonstrate critical thinking skills, patient care skills related to prevention, rehabilitation, and management, and communicate appropriate basic pathophysiology, kinesiology, and principles of treatment. An analysis of a variety of health situations involved in the sports medicine pathway will be conducted through project-based learning, laboratory, simulation, and clinical experiences.

Support Services

SDE# 14202G1000

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Support Services is a one-credit course that introduces students to occupations and functions involving the direct or indirect care of clients through the creation of a therapeutic environment for providing care. This course is designed to provide the local education agency flexibility to meet health care demands in the community.

Therapeutic Services

SDE# 14099G1000

1 term/1 credit

Grades 10-12

Fee: \$20.00

Therapeutic Services is a course designed to keep abreast of the rapid changes in business and industry by offering students a rigorous array of coursework and work-based experience to help prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide the local education agency flexibility to meet health care demands in the community. Students are introduced to careers in therapeutic services including, but not limited to, nursing, medicine, physical therapist, surgical technologist, respiratory therapist, emergency medical technician, and others.

CTE Lab in Health Science

SDE# 14999G1000

1 term/1 Credit

Grades 9-12

Fee: \$20.00

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

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

HOSPITALITY AND TOURISM CLUSTER

| Career Pathway Program | Food and Beverage Services Program (Must teach three courses from this program list within two years) | | |
|-------------------------------|--|---|---|
| | This program begins with the fundamentals and principles of the art of cooking, management and production skills, and techniques. Within this pathway, students can pursue a national sanitation certification, industry certification, articulation credit, and scholarships. The courses offered involve a commercial laboratory-based instructional setting and internship hours. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 16001G1001 | Introduction to Hospitality and Tourism - Required Foundation Course | <ul style="list-style-type: none"> • ProStart National Certificate of Achievement – COA (must pass the final exam for Level 1 and Level 2 and complete 400 hours of mentored work experience and then apply for credential) • Certified Guest Service Professional • Certified Front Desk Representative • ServSafe Manager | <ul style="list-style-type: none"> • Bakers/Bakery Workers • Caterer/Catering Management • Executive/Sous Chef • Cooks, Health Care Facilities and School Cafeterias • Cooks, Restaurant • Fast Food and Counter Workers • First-Line Supervisors of Food Preparation and Serving Workers • Food Journalist/Bloggers • Food Service Managers • General Managers • Waiters and Waitresses |
| 12159G1001 | Baking and Pastry Arts | | |
| 16097G1005 | Career Pathway Project in Hospitality and Tourism | | |
| 16097G1002 | CTE Lab Hospitality and Tourism | | |
| 16053G1012 | Culinary Arts I | | |
| 16053G1022 | Culinary Arts II | | |
| 16056G1001 | Cultural Foods | | |
| 12053G1000 | Entrepreneurship | | |
| 16202G1001 | Event Planning & Management | | |
| 19254G1000 | Food Safety & Microbiology – Science Credit eligible | | |
| 12159G1001 | Hospitality Management and Marketing | | |

HOSPITALITY AND TOURISM Dual Enrolled Coastal Courses

| Culinary |
|---|
| 16999C1007 – CUA116 Safety, Sanitation & Food Service 16999C1010 – CUA125 Food Preparation |

Safety, Sanitation & Food Services

SDE# 16999C1007
CUA116

1 term/1credit
Grades 10-12
Fee: \$35.00

This course introduces the basic principles of sanitation and safety to food service handling including purchasing, storing, preparation and serving. Specific topics include the dangers of microbial contaminants, food allergens and foodborne illness, safe handling of food, the flow of food, and food safety management systems. At the conclusion of this course students will be prepared to test for Serv-Safe® certification. The content of this course is foundational for all culinary arts classes.

Food Preparation

SDE# 16999C1010
CUA125

1 term/1credit
Grades 10-12
Fee: \$35.00

In this course students acquire fundamental knowledge and skills in preparing a variety of basic foods. Specific topics include safety, the history of food service, professional standards of conduct and ethics, credentialing, the kitchen brigade, tools, and techniques for preparing various types of food items. At the conclusion of this course students will demonstrate basic food preparation skills.

Introduction to Hospitality and Tourism

SDE# 16001G1001

1 term/1 credit
Grades 9-12
Fee: \$35.00

Introduction to Hospitality and Tourism is the prerequisite for all other courses in the cluster. Major topics include sports, recreation, and attractions; management of hotels, resorts, and lodgings; travel and tourism; restaurants and food and beverage services; and customer relations and quality services. Although a full kitchen is not required for this course, students should have access to small appliances to prepare foods in various ways.

Baking and Pastry Arts

SDE# 12159G1001

1 term/1 credit
Grades 9-12
Fee: \$35.00

Baking and Pastry Arts is designed to equip students with the principles and techniques of baking and pastry-making from fundamentals to the latest trends. The course includes baking technologies, equipment, preparation procedures, production methods, pastry methods, science of bread baking, confections and desserts, showpieces, cost control, food safety, and presentation techniques. This course requires a fully equipped, school-based commercial kitchen with food service and dining areas.

Career Pathway Project (CPP) in Hospitality and Tourism

SDE# 16097G1005

1 term/1 credit
Grades 9-12
Fee: \$35.00

Career Pathway Project (CPP) in Hospitality and Tourism 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.

CTE Lab in Hospitality and Tourism

SDE# 16097G1002

1 term/1 credit
Grades 9-12
Fee: \$20.00

CTE Lab in Hospitality and Tourism is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual

interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.

Culinary Arts I

SDE# 16053G1012

1 term/1 credit
Grades 10-12
Fee: \$35.00

Culinary Arts I introduce students to basic food production, management, and service activities in both the back and front of the house. Emphasis is placed on sanitation, safety, and basic food preparation. Skills in mathematics, science, and communication are reinforced in this course. This course requires a fully equipped, school-based commercial kitchen with food service and dining areas.

Culinary Arts II

SDE# 16053G1022

1 term/1 credit
Grades 10-12
Fee: \$20.00

Culinary Arts II builds on concepts presented in Culinary Arts I to provide expanded experiences in food production, management, and service. Topics include food safety and sanitation, foodservice operations, advanced food production, and international, regional, and cultural cuisine. Skills in mathematics, communication, creative thinking, and entrepreneurship are reinforced in this course. This course requires a fully equipped, school-based commercial kitchen with food service and dining areas.

Cultural Foods

SDE# 16056G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

Cultural Foods is designed to introduce students to the foods and cultures of Africa, Asia, Central and South America, Europe, and the Southern Pacific. Course content provides opportunities for students to explore the impact of geography, climate, culture, religion, and socioeconomic factors on food, with the aim of improving global competency and cultural appreciation through diverse cuisines. This course must be taught in a fully equipped, residential-style or commercial kitchen.

Entrepreneurship & Financial Skills Development

SDE# 12053G0808

1 term/1 credit
Grades 10-12
Fee: \$20.00

Entrepreneurship and Financial Skills Development is designed to teach students how to think and act as entrepreneurs. Standards in this course focus on skills needed to start and operate a business while in school. The course builds on academic skills by integrating inquiry-based learning and business tools that enable students to plan, create, develop, and pilot small businesses in a safe campus environment. Students who manage and operate a small business may have the opportunity to bring their products directly to the consumer via the local marketplace or present the venture to potential investors for financing. Concepts and skills are reinforced by a strong emphasis on hands-on experiences. Applications to society, individuals, and research are included.

Event Planning & Management

SDE# 16202G1001

1 term/1 credit
Grades 10-12
Fee: \$35.00

This is a one-credit course taught in grades 9-12. 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.

Hospitality Management and Marketing
SDE# 12159G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

This is a one-credit course which emphasizes skills needed for ownership, management, or employment in the growing hospitality and tourism industry. Standards are designed to develop a leadership perspective about social, environmental, economic, legal, human resource, customer relations, and consumer factors impacting the hospitality industry. The course also focuses on the marketing aspect of hospitality and tourism, including sales, promotions, advertising, and public relations.

INFORMATION TECHNOLOGY PROGRAM

| Career Pathway Program | Cybersecurity and Infrastructure Program (Must teach three courses from this program list within two years.) This pathway provides students with the skills necessary for protecting information technology infrastructure and networks, devices, and data from unauthorized access or criminal use and the practice of ensuring confidentiality, integrity, and availability of information. Cybersecurity is an enormous and growing field as consumers and businesses share data through online shopping and social media applications. | | |
|------------------------|---|--|--|
| | Course Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) In Demand Occupations |
| | 10997G1001 | Career Pathway Project in Information Technology | <ul style="list-style-type: none"> • Certiport Information Technology Specialist (ITS) Cloud Computing • Certiport Information Technology Specialist (ITS) Cybersecurity • Certiport Information Technology Specialist (ITS) Networking • Cisco Certified Network Associate (CCNA) Routing & Switching • CompTIA IT Fundamentals • CompTIA Linux+ • CompTIA Network+ • CompTIA Security+ • FAA Part 107 • Fiber Optics – Skills for Success • Microsoft 365 Fundamentals <ul style="list-style-type: none"> • Cloud Architect • Cloud Engineer • Cloud Infrastructure Engineer • Cloud System Administrator • Data Engineer • DevOps Cloud Engineer • UI Developer |
| | 10102G1014 | Cloud and Virtualization | |
| | 10997G1002 | CTE Lab in Information Technology | |
| | 10020G1011 | Cybersecurity I | |
| | 10020G1012 | Cybersecurity II | |
| | 10020G1013 | Cybersecurity III | |
| | 10109G1001 | Foundations of Operating Systems | |
| | 10001G1000 | Information Technology Fundamentals | |
| | 10109G1000 | Linux Fundamentals | |
| | 10112G1001 | Network Fundamentals | |
| | 10112G1002 | Network Systems Administration | |
| | 10152G1001 | Programming Foundations | |

| | | | |
|--|--|--|--|
| | | <ul style="list-style-type: none"> • Microsoft Azure Data Fundamentals • Microsoft Azure Fundamentals • Microsoft Dynamics 365 Fundamentals CRM • Microsoft Dynamics 365 Fundamentals ERP • Microsoft Power Platform Fundamentals • Microsoft Security, Compliance, and Identity Fundamentals • TestOut Network Pro • TestOut Security Pro | |
|--|--|--|--|

Career Pathway Project in Information Technology

SDE# 10997G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

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.

Cloud and Virtualization

SDE# 10102G1014

1 term/1 credit
Grades 10-12
Fee: \$20.00

Cloud and Virtualization Technologies introduces the hardware and software components of cloud computing and virtualization with emphasis on basic skills for using internal networks and the Internet to access resources and comprehend the terminology, tools, and technologies associated with today's top cloud platforms, including cloud-based devices, software, and security. The course also includes the uses and procedures of digital software versions of resources (virtualization).

CTE Lab in Information Technology

SDE# 10997G1002

1 term/1 credit
Grades 10-12
Fee: \$20.00

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.

Cybersecurity I

SDE# 10020G1011

1 term/1 credit
Grades 10-12
Fee: \$20.00

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.

Cybersecurity II

SDE# 10020G1012

1 term/1 credit
Grades 10-12
Fee: \$20.00

Cybersecurity II is aimed at providing students with an in-depth look into what it means to be a cybersecurity professional. Emphasis is placed on best practices for secure networking and computing, along with other practical exercises for developing security standards that govern organizational compliance, risk management, access control, and identity management. Students will have the opportunity to prepare for a core industry standard certification exam related to security and can use these techniques, tools, and methodologies to prepare for a career within the cybersecurity field.

Cybersecurity III

SDE# 10020G1013

1 term/1 credit
Grades 10-12
Fee: \$20.00

Cybersecurity III is designed to prepare students to enter into the specialized professions of cybersecurity analysis, network penetration testing, cybersecurity forensics, and related careers, including law enforcement support at the local, state, and federal levels. This course highlights the required technical training and aims to prepare students for the appropriate industry certification exams. The course focuses on the frameworks, tools, regulations, and techniques involved in this field along with emphasis on both offensive and defensive security.

Foundations of Operating Systems

SDE# 10109G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

Foundations of Operating Systems allows students to explore the characteristics and features of a variety of computer operating systems. It focuses on techniques used to install and monitor operating systems; manage access, hardware, and applications; configure networks, security, and storage; and maintain, update, and recover devices. The course presents skills in desktop support including establishing access for users and groups, managing hardware, and working within an enterprise environment to establish and maintain a robust computer network. Additional topics include how to configure local and remote network connectivity and storage, data security, device security, and network security.

Information Technology Fundamentals

SDE# 10001G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

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.

Linux Fundamentals

SDE# 10109G1000

1 term/1 credit
Grades 10-12
Fee: \$20.00

Linux Fundamentals is designed to give students an overview of Linux-based operating systems. Standards are written to provide students with the experiences needed to understand specific programs and commands of Linux and the opportunity to take a deep dive into the hierarchy of its core filing system and kernel. Students will have the opportunity to gain an understanding of the major components of the Linux operating system (OS) through the development of skills for installation and setup, application of techniques to improve hardware performance, and demonstration of knowledge to apply network security measures to protect clients' interests. The course also presents the basics of Linux hardening and Linux server security best practices in simulated and real-world learning environments. This course is designed to help students prepare for industry-recognized credentials outlined in the CTE program guide.

Network Fundamentals

SDE# 10112G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

Network Fundamentals introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The course allows students to examine devices, equipment, topologies, communication protocols, and virtual and cloud technologies and to simulate networks to explore properties, settings, and capabilities. Routing and switching protocols will be explored as well as various connectivity media. Additional topics include network management, security, and troubleshooting.

Network Systems Administration

SDE# 10112G1002

1 term/1 credit
Grades 10-12
Fee: \$20.00

Network Systems Administration can be taught with physical hardware in the classroom or with virtual equipment. The course gives students the opportunity to gain and apply a variety of fundamental skills utilized in entry-level computer network systems administration positions. Exposure to various aspects of network hardware and software maintenance and monitoring, configuring and supporting a local area network (LAN) and a wide area network (WAN), Internet systems and segments of network systems will allow students to develop a strong knowledge base for networking systems and administration. The course involves designing, implementing, upgrading, managing, and working with computer systems and network technologies.

Programming Foundations

SDE# 10152G1001

1 term/1 credit
Grades 10-12
Fee: \$20.00

Programming Design and Development is designed to introduce students to the design and development processes of programming; structured elements of object-oriented languages such as classes, data, abstractions, inheritance, polymorphism, and storage management; and the program development environment. This course extends the standards of the Alabama Course of Study: Digital Literacy and Computer Science.

MECHATRONICS ENGINEERING
Coastal Alabama Community College Program

| Mechatronics Engineering |
|---|
| 13999C1051 - ADM101 Precision Measurement 13999C1058 - ADM111 Manufacturing Safety Practices 17149C1010 - ELT212 Motor Controls II 17149C1012 - ELT231 Intro to Programmable Controllers 17149C1047 - ELT232 Advanced Programmable Controllers 17149C1020 - IET114 Basic Electricity 17149C1021 - IET122 Rotating Machinery and Controls 17149C1022 - IET131 Fluid Power Systems 17149C1028 - ILT108 Intro to Instruments and Process Control 17149C1064 - ILT114 Instrumentation Operation and Calibration 17149C1032 - ILT139 Introduction to Robotic Programming 13999C1015 - INT117 Principles of Industrial Mechanics 13999C1012 - INT127 Principles of Indus Pumps & Piping Systems 22999C1001 - WKO106 Workplace Skills 22999C1002 - WKO107 Workplace Skills Preparation 22999C1003 - WKO110 NCCER Core |

Precision Measurement

SDE# 13999C1051
ADM101

1 term/1 credit
Grades 10-12

This course covers the use of precision measurement instruments utilized in inspection. In addition, basic print reading techniques reverse engineering, and related industry standards required in advanced manufacturing disciplines are covered. Upon completion, students should be able to demonstrate correct use of precision measuring instruments, interpret basic prints and apply basic reverse engineering techniques.

Manufacturing Safety Practices

SDE# 13999C1058
ADM111

1 term/1 credit
Grades 10-12

This course is an introduction to general issues, concepts, procedures, hazards, and safety standards found in an industrial environment. This safety course is to make technicians aware of safety issues associated with their changing work environment and attempt to eliminate industrial accidents. This course will offer credentialing for NCCER Core and OSHA 10 hour.

Motor Controls II

SDE# 17149C1010
ELT212

1 term/1 credit
Grades 10-12

This course covers complex ladder diagrams of motor control circuits and the uses of different motor starting techniques. Topics include wye-delta starting, part start winding, resistor starting and electronic starting devices. Upon completion, the students should be able to understand and interpret the more complex motor control diagrams and understand the different starting techniques of electrical motors.

Introduction to Programmable Controllers

SDE# 17149C1012
ELT231

1 term/1 credit
Grades 10-12

This course introduces programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs.

Advanced Programmable Controllers

SDE# 17149C1047
ELT232

1 term/1 credit
Grades 10-12

This course focuses on the theory of operating and maintaining plant utilities. Topics include the operation/ control and maintenance of boilers, HVAC systems, and air compressors. Upon course completion, students will demonstrate the ability to repair and maintain utilities systems in an industrial setting.

Basic Electricity

SDE# 17149C1020
IET114

1 term/1 credit
Grades 10-12

This course introduces direct current (DC) and alternating current (AC) electrical theory. Topics include atomic theory, magnetism, properties of conductors and insulators, and characteristics of series, parallel, and series-parallel circuits. Inductors and capacitors are introduced and their effects on DC and AC circuits are examined. Students are prepared to analyze complex circuits, solve for unknown circuit variables and use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot electrical circuits. Emphasis is placed on the use of a scientific calculator, the operation of common test equipment, and the physical wiring of electrical circuits.

Rotating Machinery and Controls

SDE# 17149C1021
IET122

1 term/1 credit
Grades 10-12

This course is a study of the construction, operating characteristics, and installation of different motor control circuits and devices. Emphasis is placed on the control of three phase AC motors. This course covers the use of motor control symbols, magnetic motor starters, running overload protection, push button stations, multiple control stations, two wire control, three wire control, jogging control, sequence control, and ladder diagrams of motor control circuits. Upon completion, students should be able to understand the operation of motor starters, overload protection, interpret ladder diagrams using push button stations and understand complex motor control diagrams.

Fluid Power Systems

SDE# 17149C1022
IET131

1 term/1 credit
Grades 10-12

This course is provided instruction in topics ranging from basic physical concepts of machines to component operation and its typical system applications. Included are hydraulic valves, actuators, pumps, motors, and their connection in transmission of energy through fluid power systems.

Introduction to Instruments and Process Controls

SDE# 17149C1028
ILT108

1 term/1 credit
Grades 10-12

This course is an introductory study of the control devices and methods used in industry for the control and transmission of information pertaining to process variables. This study includes an introduction to instrumentation and control mathematics. This course also provides instruction in the fundamental concepts of pressure, force, weight, motion, liquid level, fluid flow and temperature.

Instrumentation Operation and Calibration

SDE# 17149C1064
ILT114

1 term/1 credit
Grades 10-12

The hardware used to measure and control process variables is presented. The student learns the principles of operation, servicing, maintenance, calibration, and troubleshooting procedures used on mechanical, pneumatic, electronic and digital based industrial transmitters, recorders, controllers, valves, and other control devices. The course is broken down into theory and laboratory work on actual process measuring and control equipment.

Introduction to Robotic Programming

SDE# 17149C1032
ILT139

1 term/1 credit
Grades 10-12

This course provides an introduction robotic programming. Emphasis is placed on but not limited to the following: Safety, motion programming, creating and editing programs, I/O instructions, macros, program and file storage. Upon completion the student will be able to safely perform basic functions in the work cell as well as program a robot to perform simple functions.

Principles of Industrial Maintenance

SDE# 13999C1015
INT117

1 term/1 credit
Grades 10-12

This course provides instruction in basic physics concepts applicable to mechanics of industrial production equipment. Topics include the basic application of mechanical principles with emphasis on power transmission, specific mechanical components, alignment, and tension. Upon completion, students will be able to perform basic troubleshooting, repair and maintenance functions on industrial production equipment. This is a core course.

Principles of Industrial Pumps and Piping Systems

SDE# 13999C1012
INT127

1 term/1 credit
Grades 10-12

This course provides instruction in the fundamental concepts of industrial pumps and piping systems. Topics include pump identification, operation, and installation, maintenance and troubleshooting, and piping systems, and their installation. Upon course completion, students will be able to install, maintain, and troubleshoot industrial pumps and piping systems.

Workplace Skills

SDE# 22999C1001
WKO106

1 term/1 credit
Grades 10-12

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

Workplace Skills

SDE# 22999C1002
WKO107

1 term/1 credit
Grades 10-12

This course utilizes computer based instructional modules which are designed to access and develop skills necessary for workplace success. The instructional modules in the course include applied mathematics, applied technology, reading for information, and locating information. Upon completion of this course, students will be assessed to determine if their knowledge of the subject areas has improved.

This course is designed to provide students with knowledge and skills related to multi-craft technicians in a variety of fields. Information in this course is based on the National Center for Construction Education and Research (NCCER) core curriculum and prepares students to test for the NCCER Credential. High School students that have received a NCCER Core Certification Card in any Technical Program should not retake this course.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

| Career Pathway Program | Automotive Technology Program (Must teach three courses from this program list within two years) | | |
|-------------------------------|--|---|--|
| | The need for automotive service technicians is growing rapidly as people continue to keep their vehicles in operation longer than ever before. This program is designed for students to gain knowledge and credentials for entry level employment or to continue their education through college. This program is divided into three levels: Maintenance and Light Repair, Automotive Service Technicians, and Master Service Technicians. All programs are NATEF accredited and students are eligible to receive ASE credentials. | | |
| Code Number | Career Pathway Program Courses | Career Readiness Indicator (CRI) | In Demand Occupations |
| 20104G1011 | Automotive Technology Foundation | <ul style="list-style-type: none"> Alabama Certified Employee (ACE) A SE Entry-Level – Automobile – Automotive Service Technology ASE Entry-Level – Automobile – Brakes ASE Entry-Level – Automobile – Electrical/Electronic Systems ASE Entry-Level – Automobile – Engine Performance ASE Entry-Level – Automobile – Engine Repair ASE Entry-Level – Automobile – Heating and Air Conditioning ASE Entry-Level – Automobile – Maintenance and Light Repair ASE Entry-Level – Automobile – Manual Drive Train and Axles ASE Entry-Level – Automobile – Suspension and Steering ASE Entry-Level – Automobile – Automatic Transmission and Transaxle | <ul style="list-style-type: none"> Maintenance and Light Repair Technician Automotive Service Technician Master Automotive Service Technician |
| 20104G1012 | Automotive Technology IA | | |
| 20104G1013 | Automotive Technology IB | | |
| 20104G1014 | Automotive Technology IC | | |
| 20104G1015 | Automotive Technology IIA | | |
| 20104G1016 | Automotive Technology IIB | | |
| 20104G1017 | Automotive Technology IIC | | |
| 17049G1000 | Safety and Health Regulations | | |
| 20997G1001 | CTE Lab in Transportation, Distribution & Logistics | | |
| 20997G1003 | Career Pathway Project-Transportation, Distribution & Logistics | | |

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Dual Enrolled Coastal Courses

| Automotive Technology (Baldwin Preparatory) |
|--|
| 20149C1017 – ASE121 Braking Systems 20149C1018 – ASE122 Steering and Suspension 20149C1015 – ASE101 Fundamental of Automotive Technology 20149C1021 – ASE162 Electrical & Electronic Systems 20149C1024 – ASE239 Engine Performance & Diagnostics 20149C1019 – ASE124 Automotive Engines 20149C1061 – ASE246 Automotive Emissions 20149C1063 – ASE212 Adv. Electrical and Electronic Systems 22999C1002 – WKO107 Workplace Skill Preparation |

ASE121 Braking Systems

SDE# 20149C1017

1 term/1credit
Grades 10-12
Fee: \$20.00

This course provides instruction in automotive technology or auto mechanics. Emphasis is placed on the practical application of brakes.

ASE122 Steering and Suspension

SDE# 20149C1018

1 term/1credit
Grades 10-12
Fee: \$20.00

This course provides instruction in automotive technology or auto mechanics. Emphasis is placed on the practical application of steering and suspension. ABR 255 is a suitable substitute.

ASE101 Fundamentals of Automotive Technology

SDE# 20149C1015

1 term/1credit
Grades 10-12
Fee: \$20.00

This course provides basic instruction in Fundamentals of Automotive Technology.

ASE162 Electrical & Electronic Systems

SDE# 20149C1021

1 term/1credit
Grades 10-12
Fee: \$20.00

This is an intermediate course in automotive electrical and electronic systems. Emphasis is placed on troubleshooting and repair of battery, starting, charging, and lighting systems, subsystems, and components. This is a CORE course.

ASE212 Advanced Electrical and Electronic Systems

SDE# 20149C1063

1 term/1credit
Grades 10-12
Fee: \$20.00

This course provides instruction in advanced automotive electrical and electronic systems. Emphasis is placed on troubleshooting and repair of advanced electrical and electronic systems, subsystems, and components.

ASE239 Engine Performance & Diagnostics

SDE# 20149C1024

1 term/1credit
Grades 10-12
Fee: \$20.00

This course provides basic instruction in engine performance with emphasis on fuel and ignition system relating to engine operation. This is a CORE course.

ASE124 Automotive Engines
SDE# 20149C1019

1 term/1credit
Grades 10-12
Fee: \$20.00

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

ASE246 Automotive Emissions
SDE# 20149C1061

1 term/1credit
Grades 10-12
Fee: \$20.00

This is an introductory course in automotive emission systems. Emphasis is placed on troubleshooting and repair of systems, subsystems, and components.

WKO107 Workplace Skills Preparation
SDE# 22999C1002

1 term/1credit
Grades 10-12
Fee: \$20.00

This course utilizes computer based instructional modules which are designed to access and develop skills necessary for workplace success. The instructional modules in the course include applied mathematics, applied technology, reading for information, and locating information. Upon completion of this course, students will be assessed to determine if their knowledge of the subject areas has improved.

Automotive Technology Foundation
SDE# 20104G1011

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to equip students with basic knowledge and skills regarding safety, engine repair, automatic transmissions, and manual drive trains. A major focus of this course is system and component operations. Standards are designed to equip students to diagnose and repair engine performance related systems. This course is the foundation for all other automotive technology courses.

Automotive Technology IA
SDE# 20104G1012

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to equip students with foundational knowledge and skills regarding automotive suspension, steering, and brake systems. Strong emphasis is placed on system and component operations. Standards are designed to equip students to diagnose and repair engine performance related systems. This course incorporates personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and material/chemical handling. Local, state, and federal safety and environmental regulations will be followed.

Automotive Technology IB
SDE# 20104G1013

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to equip students with foundational knowledge and skills regarding safety, electrical, and electronics systems. Standards are designed to equip students to diagnose and repair engine performance related electrical systems. This course incorporates personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

Automotive Technology IC

SDE# 20104G1014

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to equip students with foundational knowledge and skills regarding safety, engines, and engine performance. Standards are designed to equip students to diagnose and repair engine performance related systems. This course incorporates personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

Automotive Technology IIA

SDE# 20104G1015

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to equip students with service knowledge and skills regarding diagnosis and repair of automotive brake, steering, and suspension systems. This course incorporates standards that address personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

Automotive Technology IIB

SDE# 20104G1016

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to equip students with service knowledge and skills regarding safety, electrical, and electronics systems. Standards are designed to equip students to diagnose and repair electrical systems related to engine performance. This course incorporates personal and environmental safety practices associated with clothing and eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

Automotive Technology IIC

SDE# 20104G1017

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to equip students with service knowledge and skills regarding safety, engines, and engine performance. Standards are designed to equip students to diagnose and repair systems related to engine performance. This course incorporates standards that address personal and environmental safety practices associated with clothing and eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

Safety and Health Regulations

SDE # 17049G1000

1 term/1 credit
Grades 9-12
Fee: \$20.00

This course is designed to provide students with an understanding of basic safety standards, governmental and industry regulations, and individual responsibilities in workplace safety and health practices. Content focuses on identifying common safety hazards and minimizing or avoiding unsafe practices.

CTE Lab in Transportation, Distribution and Logistics

SDE# 20997G1001

1 term/1 credit

Grades 9-12

Fees \$20.00

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

Career Pathway Project

SDE# 20997G1003

1 term/1 credit

Grades 9-12

Fees: \$20.00

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

Career Technical Courses

Offered at

COASTAL ALABAMA FOLEY CAMPUS

Students in Baldwin County have an opportunity to enroll in technical programs located at the Foley Coastal Campus. Students interested in taking any of these courses must complete the **Dual Enrollment** application process and be accepted by the post-secondary institution. See your high school counselor for additional information and an application.

| Marine Industry Technology | Building Maintenance |
|---|--|
| 20299C1001 – MRT101 Marine Engines & Drives 20299C1002 – MRT108 Marine Rigging & Trailers 20299C1003 – MRT111 Service Operations/Customer Service 20299C1004 – MRT114 Fuel & Lubrication Systems 20299C1005 – MRT200 Marine Engines & Outboard Drives 20299C1006 – MRT210 Marine Engines & Inboard Drives 17149C1020 – IET114 Basic Electricity 13999C1015 – INT117 Principles of Industrial Mechanics 22999C1003 – WKO110 NCCER Core | 17049C1012 – CAR111 Construction Basics 17049C1013 – CAR112 Floors, Walls, & Site Preparation 17049C1015 – CAR114 Construction Basics LAB 17099C1001 – ACR111 Principles of Refrigeration 17099C1002 – ACR112 HVACR Service Procedures 17099C1030 – ACR122 HVACR Electric Circuits 17149C1020 – IET114 Basic Electricity 17149C1070 – ELT114 Residential Wiring Methods 22999C1003 – WKO110 NCCER Core |

Marine Industry Technology

Marine Engines & Drives

SDE# 20299C1001
MRT101

1 term /1 credit
Grades 10-12

Students will be introduced to professional work standards; shop safety; and the proper use of hand, measuring and precision tools. Students will learn the fundamentals of engine repair and operation for the internal combustion engine, including two-stroke and four-stroke operations. Also covered will be the lubrication, cooling, and exhaust systems as well as the differences between outboard and sterndrive systems. Students will learn to perform the steps required to diagnose and service marine engines with mechanical- related concerns.

Marine Rigging and Trailers

SDE# 20299C1002
MRT108

1 term /1 credit
Grades 10-12

Students will learn to perform procedures for rigging outboard motors, aligning sterndrive engines, instrument gauge installation and electrical hookup, remote control, and predelivery adjustments. The importance of rigging, as it relates to customer satisfaction, will be emphasized. Students also will perform setup, installation, and maintenance procedures for common optional equipment, including trailers, trolling motors and depth finders. Introduction to the use of trailers, trailer adjustments, wheel bearings maintenance, lighting (LED/ incandescent) and vehicle connectors.

Service Operations / Customer Service

SDE# 20299C1003
MRT111

1 term /1 credit
Grades 10-12

Students will become familiar with various service department job functions with dealerships of major manufacturers, including Honda Marine, Mercury Marine, Mer Cruiser, Suzuki, Volvo, Penta BRP, and Yamaha. They will learn how the technician functions in the dealership in dealing with parts, inventory, warranties, repair orders, technical bulletins, flat rates and service manuals. Students will use hands-on approaches to learn the importance of the various roles in these areas. They will be required to demonstrate knowledge and abilities through written tests and the use of unique training workstations that utilize manufacturers' computer software.

Fuel and Lubrication Systems

SDE# 20299C1004
MRT114

1 term /1 credit
Grades 10-12

Students will learn to identify carburetor and EFI fuel systems on various outboards and sterndrives. They will gain hands-on experience in diagnosing minor fuel system problems, rebuilding carburetors, and performing basic synchronization adjustments on various fuel system configurations. In addition, injector cleaning, replacement, fuel pressure and filters for outboards, inboards, jet and sterndrive applications will be discussed. Upon completion of this course, students will be familiar with procedures to diagnose, troubleshoot, and repair various fuel systems with special attention to carburetors, EFI systems, and diagnostic tools. Various types of oils and lubricant rating systems used in the marine industry are covered, as well as troubleshooting and repairing different types of lubrication systems.

Marine Engines and Outdoor Drives

SDE# 20299C1005
MRT200

1 term /1 credit
Grades 10-12

Students will be introduced to professional work standards; shop safety; and the proper use of hand tools, measuring, precision instruments and diagnostic devices for outboard engines and drive systems. Students will learn the fundamentals of engine operation and repair for the internal combustion engine, including two-stroke and four-stroke operations. Also covered will be the lubrication, cooling, ignition, fuel delivery and exhaust systems. Students will learn to perform the steps required to diagnose and service marine engines with electromechanical-related concerns.

Marine Engines and Indoor Drives

SDE# 20299C1006
MRT210

1 term /1 credit
Grades 10-12

Students will be introduced to professional work standards; shop safety; and the proper use of hand tools, measuring, precision instruments and diagnostic devices for inboard engines and drive systems. Students will learn the fundamentals of engine operation and repair for the internal combustion engine. Also covered will be the lubrication, cooling, ignition, fuel delivery and exhaust systems. Students will learn to perform the steps required to diagnose and service marine engines with electro- mechanical related concerns.

Basic Electricity

SDE# 17149C1020
IET114

1 term/1 credit
Grades 10-12

This course introduces direct current (DC) and alternating current (AC) electrical theory. Topics include tomic theory, magnetism, properties of conductors and insulators, and characteristics of series, parallel, and series-parallel circuits. Inductors and capacitors are introduced and their effects on DC and AC circuits are examined. Students are prepared to analyze complex circuits, solve for unknown circuit variables and use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot electrical circuits. Emphasis is placed on the use of a scientific calculator, the operation of common test equipment, and the physical wiring of electrical circuits.

Residential Wiring Methods

SDE# 17149C1070
ELT114

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces the student to electrical circuits and diagrams. Electrical symbols and basic wiring diagrams are constructed in this course. Upon completion, students should understand standard wiring diagrams and symbols and be able to construct various types of electrical circuits.

NCCER Core

SDE# 22999C1003
WKO110

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to provide students with knowledge and skills related to multi-craft technicians in a variety of fields. Information in this course is based on the National Center for Construction Education and Research (NCCER) core curriculum and prepares students to test for the NCCER Credential. High School students that have received a NCCER Core Certification Card in any Technical Program should not retake this course.

Building Maintenance

Construction Basics

SDE# 17049C1012
CAR111

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces students to the opportunities in and requirements of the construction industry. Topics include economic outlook for construction, employment outlook, job opportunities, training, apprenticeship, entrepreneurship, construction tools, materials, and equipment, job safety and OSHA standards. Upon course completion, students should be able to identify the job market, types of training, knowledge of apprenticeship opportunities, construction tools, materials, equipment, and safety procedures.

Floors, Walls, and Site Preparation

SDE# 17049C1013
CAR112

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces the student to site preparation, floor and wall layout, and construction. Topics include methods of site preparation, measurement and leveling tools, framing, layouts, and components of wall and floor framing to include beams, girders, floor joists, sub-flooring, partitions, bracing, headers, sills, doors, and corners. Upon course completion, students will be able to identify various types of wall and floor framing systems and their components, identify building lines, setbacks, and demonstrate a working knowledge of leveling applications.

Construction Basics LAB

SDE# 17049C1015
CAR114

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course provides practical and safe application of hand, portable power, stationary and pneumatic tools, use of building materials, fasteners and adhesives, and job site safety. Emphasis is placed on the safe use of hand, power, and pneumatic tools, proper selection of lumber, plywood, byproducts, nails, bolts, screws, adhesives, fasteners, construction materials, and job safety. Upon course completion, the student should be able to identify hand, power, stationary, and pneumatic tools and demonstrate their safe use; identify and properly select wood and non-wood building products, and properly use nails, fasteners and adhesives.

Principles of Refrigeration

SDE# 17099C1001
ACR111

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course emphasizes the fundamental principles for air conditioning and refrigeration. Instruction is provided in the theory and principles of refrigeration and heat transfer, HVAC/R system components, common, and specialty tools for HVAC/R, and application of the concepts of basic compression refrigeration. Upon completion, students should identify system components and understand their functions, identify, and use common and specialty HVAC/R tools, and maintain components of a basic compression refrigeration system.

HVACR Service Procedures

SDE# 17049C1002
ACR112

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course covers system performance checks and refrigerant cycle diagnosis. Emphasis is placed on the use of refrigerant recovery/recycle units, industry codes, refrigerant coils and correct methods of charging and recovering refrigerants. Upon completion, students should be able to properly recover/recycle refrigerants and demonstrate safe, correct service procedures which comply with the no-venting laws.

HVACR Electric Circuits

SDE# 17099C1030
ACR122

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces the student to electrical circuits and diagrams. Electrical symbols and basic wiring diagrams are constructed in this course. Upon completion, student should understand standard wiring diagrams and symbols and be able to construct various types of electrical circuits.

Basic Electricity

SDE# 17149C1020
IET114

1 term/1 credit
Grades 10-12

This course introduces direct current (DC) and alternating current (AC) electrical theory. Topics include tomic theory, magnetism, properties of conductors and insulators, and characteristics of series, parallel, and series-parallel circuits. Inductors and capacitors are introduced and their effects on DC and AC circuits are examined. Students are prepared to analyze complex circuits, solve for unknown circuit variables and use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot electrical circuits. Emphasis is placed on the use of a scientific calculator, the operation of common test equipment, and the physical wiring of electrical circuits.

Residential Wiring Methods

SDE# 17149C1070
ELT114

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course introduces the student to electrical circuits and diagrams. Electrical symbols and basic wiring diagrams are constructed in this course. Upon completion, students should understand standard wiring diagrams and symbols and be able to construct various types of electrical circuits.

NCCER Core

SDE# 22999C1003
WKO110

1 term/1 credit
Grades 10-12
Fee: \$20.00

This course is designed to provide students with knowledge and skills related to multi-craft technicians in a variety of fields. Information in this course is based on the National Center for Construction Education and Research (NCCER) core curriculum and prepares students to test for the NCCER Credential. High School students that have received a NCCER Core Certification Card in any Technical Program should not retake this course.

WORK-BASED LEARNING-(Co-Op)

Cooperative Education / WBL
SDE# 22998G1014

1 term/1 credit
Grade: 11-12
Fee: \$10.00

Prerequisite: It is recommended, but not required, that a student obtain concentrator status, (two courses within a CTE program, and prior to enrollment in cooperative education. Students who have not obtained concentrator status must have successfully completed a minimum of one CTE credit. The Career Preparedness course will count as a Career Technical course regardless of the instructor's teacher certification. 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 teacher.

CAREER & TECHNICAL DUAL ENROLLMENT with Coastal Alabama Community College

A Dual Enrollment Agreement exists between Coastal Community College and the Baldwin County Board of Education which allows students to enroll in college level courses at the postsecondary institution and earn credits for a high school diploma and a postsecondary degree/certification at the same time. Students meeting the college entry requirements are eligible to enroll as a Coastal Community College online and earn college credits while in high school. Eligible courses and locations of offering are listed in the Dual Enrollment section of this handbook. Any course with a 90000 number does offer college credit to enrolled students. *Any additional questions can be answered by a school counselor.

STATEWIDE ARTICULATION AGREEMENTS

An Articulation Agreement exists between Alabama's Community College System and all local Alabama School systems allowing postsecondary students to receive college credit (articulated credit) for career technical education courses completed in grades 10, 11, and 12. Eligible students must meet all eligibility requirements prior to being awarded articulated credit. Eligible courses are taught at North and South Baldwin Center for Technology as well as some local high schools. Any course labeled with the two asterisks can qualify for articulated college credit upon graduation. Students must earn a letter grade of C or higher in the secondary course for which articulation is being sought. Articulated credit must be requested by submitting the completed State Articulated Credit Request form to the Alabama Community College no later than 20 months after high school graduation.

INTERNATIONAL BACCALAUREATE PROGRAMS

The following courses are available only to students who have been admitted to and who are participating in the IB program.

INTERNATIONAL BACCALAUREATE PROGRAMME COURSES

IB Dance, Standard or Higher Level

| | |
|--------------------------------|------------------|
| SDE# 05012E10SL | 1 term/ 1 credit |
| SDE# 05012E10S1 IB Dance SL 11 | Grade 11 |
| SDE# 05012E10S2 IB Dance SL 12 | Grade 12 |
| SDE# 05012E10HL IB Dance HL | 1 term/ 1 credit |
| SDE# 05012E10H1 IB Dance HL 11 | Grade 11 |
| SDE# 05012E10H2 IB Dance HL 12 | Grades 12 |

International Baccalaureate Dance can be taken in the junior or senior year as a Standard Level (SL) course or over the junior and senior years as a Higher Level (HL) course. The course focuses on the composition, performance and analysis of dance, or “expressive movement,” which is practiced amongst peoples of various backgrounds, and for a variety of purposes, throughout the world. Students create, participate in, and reflect upon dance forms and styles from a range of cultures and traditions, both familiar and unfamiliar.

Designing Technology, IB

| | |
|--|----------------|
| SDE# 03206E10SL IB Design Technology SL | 1 term/1credit |
| SDE# 03206E10S1 IB Design Technology SL 11 | Grade11-12 |
| SDE# 03206E10S2 IB Design Technology SL 12 | No fee |
| SDE# 03206E10HL IB Design Technology HL | |

DP design technology aims to develop internationally-minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world. It focuses on analysis, design development, synthesis and evaluation. The creative tension between theory and practice is what characterizes design technology within the DP sciences subject group. Inquiry and problem-solving are at the heart of the subject. DP design technology requires the use of the DP design cycle as a tool, which provides the methodology used to structure the inquiry and analysis of problems, the development of feasible solutions, and the testing and evaluation of the solution. In Diploma Programme design technology, a solution can be defined as a model, prototype, product or system that students have developed independently.

IB English: Higher Level, Grades 11 and 12

| | |
|----------------------------------|-------------------|
| SDE# 01007E10HL | 1 term/1 credit |
| SDE# 01007E10H1 IB English HL 11 | Grade 11 |
| SDE# 01007E10H2 IB English HL 12 | Grade 12 |
| | Fee: \$20.00 each |

The goals of Language A1 are to enable students to approach literary works with intellectual maturity; to refine reading and writing skills; to engage with precision and clarity in the exchange of ideas and presentation of argument; and to foster lifelong habits of reading, writing, and thinking. The course promotes an appreciation of the possibilities for language to express human thought, emotion, and experience while also increasing the students’ awareness of the structures of language.

Language A1 aims to increase students’ knowledge and understanding of culture and society both locally and globally as students gain an appreciation of literature as an expression of the human condition and human thought. The literary study covers a time period from ancient Greece to the present and is representative of different cultural experiences. Genres studied include poetry, drama, novels, short stories, and essays.

Experimental Science: IB Biology, Grade 11 or 12 (Standard Level), Grade 11 and 12 (Higher Level)

| | |
|----------------------------------|-------------------|
| IB Biology SL | |
| SDE# 03057E10SL | 1 term/1 credit |
| SDE# 03057E10S1 IB Biology SL 11 | Grade 11 |
| SDE# 03057E10S2 IB Biology SL 12 | Grade 12 |
| | Fee: \$20.00 each |
| IB Biology HL | |
| SDE# 03057E10HL | 1 term/1 credit |
| SDE# 03057E10H1 IB Biology HL 11 | Grade 11 |
| SDE# 03057E10H2 IB Biology HL 12 | Grade 12 |
| | Fee: \$20.00 each |

International Baccalaureate Biology can be taken in the junior or senior year as a Standard Level (SL) course or over the junior and senior years as a Higher Level (HL) course. IB Biology provides the individual with an opportunity to explore the universe of the small from the realm of the molecular. The journey continues into the realm of the large; encompassing global environmental and global biome issues. The IB programme facilitates the opportunity to develop the cognitive ability of the individual through the use of a college preparatory curriculum and focus on critical thinking skills necessary to explore diverse strategies in the experimental sciences on an international stage. An interdisciplinary group project helps students realize that one discipline is not isolated from another and that scientists can work together on problems to discover solutions to a common goal.

Experimental Science: IB Chemistry, Grade 11 or 12 (Standard Level), Grade 11 and 12 (Higher Level)

| | |
|------------------------------------|-------------------|
| IB Chemistry SL | |
| SDE# 03107E10SL | 1 term/1 credit |
| SDE# 03107E10S1 IB Chemistry SL 11 | Grade 11 |
| SDE# 03107E10S2 IB Chemistry SL 12 | Grade 12 |
| | Fee: \$20.00 each |
| IB Chemistry HL | |
| SDE# 03107E10HL | 1 term/1 credit |
| SDE# 03107E10H1 IB Chemistry HL 11 | Grade 11 |
| SDE# 03107E10H2 IB Chemistry HL 12 | Grade 12 |
| | Fee: \$20.00 each |

International Baccalaureate Chemistry can be taken in the junior or senior year as a Standard Level (SL) course or over the junior and senior years as a Higher Level (HL) course. It is designed to expand on the knowledge and experimental skills obtained in Pre-IB Chemistry and to prepare the student for further study of pure and applied sciences in higher education. It will also help the student to develop the ability to analyze scientific literature critically and to develop manipulative and experimental skills necessary to perform college level scientific investigations. Chemistry is a central component of all scientific disciplines. An interdisciplinary group project helps students realize that one discipline is not isolated from another and that scientists can work together on problems to discover solutions to a common goal.

Experimental Science: IB Physics, Grade 11 or 12 (Standard Level), Grade 11 and 12 (Higher Level)

| | |
|----------------------------------|-------------------|
| IB Physics SL | |
| SDE# 03157E10SL | 1 term/1 credit |
| SDE# 03157E10S1 IB Physics SL 11 | Grade 11 |
| SDE# 03157E10S2 IB Physics SL 12 | Grade 12 |
| | Fee: \$20.00 each |
| IB Physics HL | |
| SDE# 03157E10HL | 1 term/1 credit |
| SDE# 03157E10HL IB Physics HL 11 | Grade 11 |
| SDE# 03157E10HL IB Physics HL 12 | Grade 12 |
| | Fee: \$20.00 each |

International Baccalaureate Physics can be taken in the junior or senior year as a Standard Level (SL) course or over the junior and senior years as a Higher Level (HL) course. The focus of physics is to observe scientific phenomena and processes using the scientific method. Students are to develop skills in mathematics, technology, and interpersonal relationships. Students will also develop an understanding of international contributions to physics and other sciences. Discussions of subjects will incorporate different cultural contributions to physics from around the world in the form of work, applications, and the arts. An

interdisciplinary group project helps students realize that all scientific disciplines share the common goal of understanding how the world works, and that scientists can work together on problems to discover solutions to a common goal.

Film: IB Film, Standard or Higher Level, Grades 11 and 12

| | |
|-------------------------------|-------------------|
| IB Film SL | |
| SDE# 05194E10SL | 1 term/1 credit |
| SDE# 05194E10S1 IB Film SL 11 | Grade 11 |
| SDE# 05194E10S2 IB Film SL 12 | Grade 12 |
| | Fee: 30.00 each |
| IB Film HL | |
| SDE# 05194E10HL | 1 term/1 credit |
| SDE# 05194E10H1 IB Film HL 11 | Grade 11 |
| SDE# 05194E10H2 IB Film HL 12 | Grade 12 |
| | Fee: \$30.00 each |

International Baccalaureate Film can be taken in the junior or senior year as a Standard Level (SL) course or over the junior and senior years as a Higher Level (HL) course. Through the study and analysis of film texts and exercises in film-making, IB film students explore film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures.

French, B, SL, IB

| | |
|-----------------------------------|------------------|
| SDE# 24113E10SL | 1 term/ 1 credit |
| SDE# 24113E10S1 IB French B SL 11 | Grade 11 |
| SDE# 24113E10S2 IB French B SL 12 | Grade 12 |
| | Fee: \$7.50 each |

NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016.

Emphasis on French grammar, selections of literature, and culture for students for whom French is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.

French, B, HL, IB

| | |
|-----------------------------------|------------------|
| SDE# 24113E10HL | 1 term/ 1 credit |
| SDE# 24113E10H1 IB French B HL 11 | Grade 11 |
| SDE# 24113E10H2 IB French B HL 12 | Grade 12 |
| | Fee: \$7.50 each |

NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016.

Emphasis on French grammar, selections of literature, and culture for students for whom French is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.

Foreign Language: IB Spanish Standard Level, Grades 11 and 12

| | |
|----------------------------------|------------------|
| SDE# 24063E10SL IB Spanish SL 11 | 1 term/1 credit |
| SDE# 24063E10SL IB Spanish SL 12 | Grade 11 |
| | Grade 12 |
| | Fee: \$7.50 each |

The main focus of the Spanish B SL course is language acquisition and development in the four primary language skills: listening, speaking, reading, and writing. The objectives of the course are for the student to be able to communicate in both oral and written forms, using and understanding appropriate vocabulary and grammar in a variety of situations. In addition, the student will demonstrate an awareness of and sensitivity to some elements of the cultures related to the Spanish language and the international community. The student

will be assessed through activities including oral and listening interaction, a range of reading texts at various levels of difficulty, and the use of the language in a communicative nature in writing tasks.

Foreign Language: Spanish, B, HL, IB

| | |
|-----------------------------------|-----------------|
| SDE#24063E10HL | 1 term/1 credit |
| SDE#24063E10H1 IB Spanish B HL 11 | Grade 11 |
| SDE#24063E10H2 IB Spanish B HL 12 | Grade 12 |
| | Fee: \$7.50 |

NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016.

Emphasis on Spanish grammar, selections of literature, and culture for students for whom Spanish is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.

Mathematics: IB Applications and Interpretations, Standard Level, Grades 11 and 12

| | |
|--|-----------------|
| SDE# 02139E10SL | 1 term/1 credit |
| SDE# 02139E10S1 IB Math Applications and Interpretations SL 11 | Grade 11 |
| SDE# 02139E10S2 IB Math Applications and Interpretations SL 12 | Grade 12 |

International Baccalaureate Applications and Interpretations is designed for IB students whose future careers will not include a focus on mathematics. This course is designed to provide a realistic mathematics course for students with varied backgrounds and abilities. The skills needed to cope with the mathematical demands of a technological society are developed, and emphasis is placed on the application of mathematics to real-life situations. A substantial piece of personal research, in the form of a statistical project, is a requirement of this program.

Mathematics: IB Analysis and Approaches, Standard Level, Grades 11 and 12

| | |
|--|-----------------|
| SDE# 02140E10SL | 1 term/1 credit |
| SDE# 02140E10S1 IB Analysis and Approaches SL 11 | Grade 11 |
| SDE# 02140E10S2 IB Analysis and Approaches SL 12 | Grade 12 |

This course is a 2-year program for students planning to enter college majoring in math, science, medicine, or engineering. The course will study a broad range of topics, providing an introduction to a variety of mathematical topics that could be taken at the collegiate level. The focus of Math SL is to introduce important mathematical concepts through the development of mathematical techniques and understanding, not necessarily rigor. It will focus on solving real life problems and situations, and will include 1 project per year. The goal is to model logical, critical, and creative thinking as well as teaching students to think on an abstract and generalized level. By incorporating the historical perspectives respective to the development of mathematics, students will learn to appreciate the fact that math is the international language.

Music: IB Music, Standard or Higher Level, Grades 11 and 12

| | |
|--------------------------------|-------------------|
| IB Music SL | |
| SDE# 05115E10SL | 1 term/1 credit |
| SDE# 05115E10S1 IB Music SL 11 | Grade 11 |
| SDE# 05115E10S2 IB Music SL 12 | Grade 12 |
| | Fee: \$20.00 each |
| IB Music HL | |
| SDE# 05115E10HL | 1 term/1 credit |
| SDE# 05115E10H1 IB Music HL 11 | Grade 11 |
| SDE# 05115E10H2 IB Music HL 12 | Grade 12 |
| | Fee: \$20.00 each |

International Baccalaureate Music is designed for students with a strong interest in music. The course is designed to promote greater awareness and understanding of both the power and variety of musical experiences. Topics include a study of music in western society, international music, basic musical literacy, and music theory. This study of music is concerned with elements of music, and the music of numerous

cultures and eras. Both worldwide and historical perspectives are required of students, as well as a commitment to creating and performing music.

Psychology: IB Psychology, SL, Grades 11 and 12

| | |
|--------------------------------------|----------------------|
| SDE#: 04257E10SL | 1 term/ 1 credit |
| SDE#: 04257E10S1 IB Psychology SL 11 | Grade 11 |
| SDE#: 04257E10S2 IB Psychology SL 12 | Grade 12 |
| | Fee: \$20.00 each |
| SDE#: 04257E10HL | 1 term/ 1 credit |
| SDE#: 04257E10H1 IB Psychology HL 11 | Grade 11 |
| SDE#: 04257E10H2 IB Psychology HL 12 | Grade 12 |
| | Fee: \$20.00 each |

NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the content psychology including students' development of a critical appreciation of human experience and behavior; the varieties of physical, economic, and social environments that people inhabit; and, the history of social and cultural institutions.

Social Studies: IB History, Higher Level, Grades 11 and 12

| | |
|----------------------------------|-----------------|
| SDE# 04054E10HL | 1 term/1 credit |
| SDE# 04054E1011 IB History HL 11 | Grade 11 |
| SDE# 04054E1012 IB History HL 12 | Grade 12 |

History of the Americas is a two year course. During this two-year course, the students will study 20th century issues for the purpose of comparing/contrasting the similarities and differences in cultural roots, political-economic-social development, and modern international relations. Teachers will choose one prescribed subject and two topics covering 20th century world history. Teachers will also choose three aspects of the history of the Americas.

Theatre: IB Theatre, Standard or Higher Level, Grades 11 and 12

| | |
|----------------------------------|-------------------|
| IB Theatre SL | |
| SDE# 05062E10SL | 1 term/1 credit |
| SDE# 05062E10S1 IB Theatre SL 11 | Grade 11 |
| SDE# 05062E10S2 IB Theatre SL 12 | Grade 12 |
| | Fee: \$20.00 each |
| IB Theatre HL | |
| SDE# 05062E10HL | 1 term/ 1 credit |
| SDE# 05062E10H1 IB Theatre HL 11 | Grade 11 |
| SDE# 05062E10H2 IB Theatre HL 12 | Grade 12 |
| | Fee: \$20.00 each |

International Baccalaureate Theatre Arts programme aims to help students understand the nature of the theatre; to understand it by making it as well as studying it; to understand it not only with their minds but with their senses, their bodies and their emotions; to understand the form it takes in cultures other than their own; and through this understanding better to understand themselves, their society and their world. The course involves the development of performance skills through working on devised and scripted scenes, some of which must be presented to an audience. Students will also study drama from the point of view of the director and will investigate methods of turning a play script into performance. Practical exploration of theatre from different cultures is also a key element in the course. A theatre production - a collaborative exercise animating a broad spectrum of talents and skills in which the principles and practices of theatre are explored by the students - is the high point of their practical and theoretical studies.

Theory of Knowledge

| | |
|---|--------------------|
| SDE# 04304E1000 | 1 term/1 credit |
| SDE# 04304E1001 IB Theory of Knowledge 11 | Grade 11 |
| SDE# 04304E1002 IB Theory of Knowledge 12 | Grade 12 |
| SDE# 04304E100H | .5 term/ .5 credit |

The aim of Theory of Knowledge is not to give students information, but to engage in critical reflection on what they think they already know both facts and values. The course considers ways in which we gain our understanding through perception, language, reasoning, and emotion, and considers individual disciplines which arise from different approaches and justifications. It examines the approaches to knowledge taken by mathematics, the natural and human sciences, history, the arts, and ethics, and tries to place them in relationship to each other and to the experiences of the students. The influence on knowledge of culture and personal experience also emerges in the discussions on which the course is based. Theory of Knowledge is the compulsory core course for the International Baccalaureate.

Visual Arts: IB Visual Arts, Standard Level, Grade 11 or 12

| | |
|-------------------------------------|-------------------|
| IB Visual Art SL | |
| SDE# 05173E10SL | 1 term/1 credit |
| SDE# 05173E10S1 IB Visual Art SL 11 | Grade 11 |
| SDE# 05173E10S2 IB Visual Art SL 12 | Grade 12 |
| | Fee: \$20.00 each |
| IB Visual Art HL | |
| SDE# 05173E10HL | 1 term/1 credit |
| SDE# 05173E10H1 IB Visual Art HL 11 | Grade 11 |
| SDE# 05173E10H2 IB Visual Art HL 12 | Grade 12 |
| | Fee: \$20.00 each |

International Baccalaureate Visual Arts is a one-year, standard level IB elective course open to students in their junior or senior year. It is structured to encourage individual exploration of one's artwork and personal expressions. Students will create two separate bodies of work, one visual and one written. The written journal consists of investigation into periods of art history, artists, and art media. The visual production consists of a portfolio of works associated with the written investigative workbook. The assessment in IB Visual Arts consists of an external evaluation by an IB examiner of the workbook and portfolio of work as an on site exhibit in addition to an interview with the examiner.

Essentials/Life Skills Core Course

English Essentials 9

SDE# 01001X1001

English Essentials 10

SDE# 01002X1002

English Essentials 11

SDE# 01003X1003

English Essentials 12

SDE# 01004X1004

English Essentials 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: Physical Science

SDE# 03159X1000

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

Essentials: Biology

SDE# 03051X1000

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

Essentials: Earth & Space Science

SDE# 03008X1000

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. Teachers must meet highly qualified teacher status for the appropriate course and grade.

Essentials: Environmental Science

SDE# 03003X10000

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

Essentials I: World History

SDE# 04051X1000

This course is a study of world history from 1500 to 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 situation. Teachers must meet highly qualified teacher status for the appropriate course and grade.

Essentials II: U.S. History to 1877

SDE# 04102X1011

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

Essentials III : U.S. History from 1877

SDE# 04103X1011

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

Essentials IV: Economics

SDE# 04201X0511

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

Essentials V: United States Government

SDE# 04151X0511

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

Essentials Algebra I with Probability

SDE# 02052X100

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

Essentials Geometry with Data Analysis

SDE# 02073X1000

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

Essentials Algebra II with Statistics

SDE# 02056X1001

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

Essentials Mathematical Modeling

SDE# 02137X1000

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

Essentials Algebra with Finance

SDE# 02155X1000

The *Curriculum Guide to the Standards: Algebra with Finance* contains the course content for students following the Essentials pathway. This course integrates foundational algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. These skills are identified in the general education Algebra with Finance course. The course includes real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting, and planning for retirement in order to equip students with the skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.

Transition Services

SDE# 22151X1000

Transition Services is a course designed to 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 requirements for the Essentials Pathway.

Student Name: _____ DOB _____ School Year: _____ Grade _____

Selecting the Highest, Most Appropriate Pathway Leading to the Alabama High School Diploma

(Please check as all items are discussed.)

____ The IEP Team has considered the **General Education** pathway with access to Advanced Placement (AP)/International Baccalaureate (IB)/Postsecondary Equivalent Courses leading to the Alabama High School Diploma. This diploma is designed to prepare students for college and career (four-year college).

____ The IEP Team has considered the **Essentials** pathway with access to credit-eligible courses to meet the required courses in English Language Arts, Science, Social Studies and Math; the student **must** participate in Community-Based Work Training or have documentation of previous work experience (prior to co-op) and complete two Career Technical Education (CTE) courses in the same strand, Workforce Essentials or Transition Skills II and Cooperative Education and/or Essential Career Preparation leading to the Alabama High School Diploma. Students that take four or more Essentials Core classes must complete all requirements of the pathway including the work component. This pathway is designed to allow students to participate in career/competitive employment. This pathway is accepted by most state community colleges, but may not be accepted by most four-year institutions, and will not be accepted by the National Collegiate Athletic Association (NCAA) for eligibility purposes.

____ The IEP Team has considered the **Alternate Achievement Standards (AAS)** pathway with access to credit-eligible courses to meet the required courses in English Language Arts, Science, Social Studies and Math; the student will participate in AAS Life Skills, AAS Pre-Vocational, AAS Vocational, AAS Community-Based Work Instruction, and will have access to an AAS Elective Course leading to the Alabama High School Diploma. This pathway is designed to prepare the students for supported/competitive employment.

This form should be completed at the end of the eighth grade school year, and reviewed annually, along with the student's four-year plan and current transition information.

- The pathways leading to the Alabama High School Diploma have been explained to me.
- I have read and understand the information above about selecting the highest most appropriate pathway, leading to the Alabama High School Diploma.
- The IEP Team has considered all possible pathways and matched the student's postsecondary goals to the appropriate course of study leading to the Alabama High School Diploma.
- I understand that students with disabilities who have participated in graduation activities with their age-appropriate peers and who have not earned the Alabama High School Diploma are entitled to a Free, Appropriate Public Education (FAPE) until they exit school with the Alabama High School Diploma or reach the age of 21, even if it means that services are provided in excess of 12 years.

- I understand that the _____ pathway has been selected for my child at this time.

Parent's Signature

Date

Student's Signature

Date

Case Manager's Signature

Date

Counselor's Signature

Date

THE ALABAMA HIGH SCHOOL DIPLOMA ESSENTIALS PATHWAY WORK COMPONENT REQUIREMENTS

REQUIREMENTS

Students who take 4 or more Essentials Pathway courses must complete the following:

- **Career Preparedness** (Career and Academic Planning, Computer Applications, and Financial Literacy)
- **Community-Based Work Training**
- **Two Career/Technical Education courses in a sequence**
- **Workforce Essentials or Transition Services***
- **Cooperative Education/School-Based Enterprises and/or Essentials Career Preparedness**

IMPORTANT INFORMATION

Community-Based Work Training

- Community-Based Work Training should be completed before applying for Cooperative Education.
- Community-Based Work Training should be completed at two different work sites and will be considered successful when the student has two Community-Based Work Training Performance Evaluations with scores of 3 or 4 for each site.
- Community-Based Work Training can be waived with successful paid work experiences documented on the Community-Based Work Training Performance Evaluation form (minimum of two).

Cooperative Education/School-Based Enterprises and Essentials Career Preparedness

- Cooperative Education/School-Based Enterprises and Essentials Career Preparedness can consist of paid or unpaid experiences.
- For each experience, students are required to have 140 hours. The student will be awarded one credit for each 140 hours of the career experience.
- Paid and unpaid hours can be earned in the summer if the student is enrolled in summer school and the system Cooperative Education Coordinator is on a 12-month contract.
- ** (Other options may be available for your local education agency. Please contact nancy.prine@alsde.edu or tony.may@alsde.edu for additional information).*
- The Career Preparedness course can count as a career/technical education course, regardless of the instructor's teacher certification.

***Transition Services** – (PowerSchool course number 22151X1000)

JULY 2021

Prospective Certificate Courses per Grade Level
Utilize the AAS Checklist when completing the 4-Year Plan
2022-23

| <u>Grade</u> | <u>Reading</u> | <u>Lang. Arts</u> | <u>Math</u> | <u>Science</u> | <u>Social Studies</u> | <u>Daily Living</u> | <u>Pre-Vocational</u> | <u>Vocational</u> | <u>Transition</u> |
|--------------|---|---|---|-----------------------------------|--|---|---|--|-------------------|
| 9 | AAS: Reading-9 #600419 01049X1001 | AAS: Language Arts-9 #01037X1001 | AAS: Mathematics- 9 #02039X1001 | AAS: Science-9 #03239X1001 | AAS: Social Studies-9 #04439X1001 | AAS: Career Preparedness #19258X1001 | AAS: Pre- Vocational-9 #22152X1001 | Transition Service Elective #22151X1000 | |
| 10 | AAS: Reading-10 #600420 01049X1002 | AAS: Language Arts-10 #01037X1002 | AAS: Mathematics- 10 #02039X1002 | AAS: Science-10 #03239X1002 | AAS: Social Studies-10 #04439X1002 | AAS: Health #08051X1001 | AAS: Functional Performance #19257XKG08 | AAS: CBI #22251X1001 | |
| 11 | AAS: Reading-11 #01049X1003 | AAS: Language Arts-11 #01037X1003 | AAS: Mathematics- 11 #02039X1003 | AAS: Science-11 #03239X1003 | AAS: Social Studies-11 #04439X1003 | AAS: Elective #22250X1001 | | AAS: Vocational #22153X1001 | |
| 12 | AAS: Reading-12 #01049X1004 | AAS: Language Arts-12 #01037X1004 | AAS: Mathematics- 12 #02039X1004 | AAS: Science-12 #03239X1004 | AAS: Social Studies-12 #04439X1004 | AAS: Life Skills #19257X1001 | | | |

| | | | | | | | | | |
|--------------------------|--|-------------------------------------|--|--|--|---|--|---|--|
| Electives 12+ | AAS: Reading Beyond #01049X1000 | AAS: Math Beyond # 02039X1005 | | | | AAA: Life Skills Beyond #19257X1005 | AAS: Community Based Inst. Beyond #22251X1005 | AAS: Vocational Beyond #22153X1005 | |
|--------------------------|--|-------------------------------------|--|--|--|---|--|---|--|

Alabama High School Diploma
General Education Pathway – Diploma Credits Checklist

Student Name: _____ **Anticipated Graduation Year:** _____

Directions: Use the student's current transcript to mark off (☒) earned credits each semester. Each box represents one-half credit earned. Ensure that all graduation requirements are met before graduation.

| Course Requirements | | |
|--|---|---|
| English/Language Arts Four credits to include: | Options include: Advanced Placement/International Baccalaureate (IB)/Postsecondary courses/SDE-approved courses | |
| | English 9 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | English 10 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | English 11 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | English 12 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Mathematics Four credits to include: | Options include: Alabama Course of Study: Mathematics or Mathematics credit-eligible courses from Career & Technical Education/Advanced Placement/IB/Postsecondary courses/SDE-approved courses | |
| | Geometry with Data Analysis | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Algebra I with Probability | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Algebra II with Statistics | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Specialized Course | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Science Four credits to include: | Options include: Alabama Course of Study: Science or science credit-eligible courses from Career & Technical Education/Advanced Placement/IB/Postsecondary courses/SDE-approved courses | |
| | Biology | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Physical Science (Chemistry, Physics, or Physical Science) | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Additional Science credit (_____) | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Additional Science credit (_____) | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Social Studies Four credits to include: | Options include: Advanced Placement/International Baccalaureate (IB)/Postsecondary courses/SDE-approved courses | |
| | World History | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | United States History I | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | United States History II | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | United States Government | <input type="checkbox"/> = 0.5 |
| | Economics | <input type="checkbox"/> = 0.5 |
| Required Electives | Beginning Kinesiology or JROTC | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Health Education | <input type="checkbox"/> = 0.5 |
| | Career Preparedness | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Career & Technical Education and/or World Language and/or Arts Education (three credits) | |
| | Course: _____ | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Course: _____ | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Course: _____ | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | | |
| Additional Electives | Course: _____ | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Course: _____ | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Course: _____ | <input type="checkbox"/> = 0.5 |
| Total Credits should be equal to 24 credits | | Total Credits: |

12/2021

Alabama High School Diploma Essentials Pathway – Diploma Credits Checklist

Student Name: _____ **Anticipated Graduation Year:** _____

Directions: Use the student's current transcript to mark off (☒) earned credits each semester. Each box represents one-half credit earned. Ensure that all graduation requirements are met before graduation.

| Course Requirements | | |
|--|--|---|
| English/Language Arts Four credits to include: | Options include: General Education or SDE-approved Essentials courses | |
| | English 9 or English Essentials 9 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | English 10 or English Essentials 10 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | English 11 or English Essentials 11 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | English 12 or English Essentials 12 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Mathematics Four credits to include: | Options include: Alabama Course of Study: Mathematics or Mathematics credit-eligible courses from Career & Technical Education or SDE-approved Essentials courses | |
| | Essentials Geometry with Data Analysis | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Essentials Algebra I with Probability | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Essentials Algebra II with Statistics | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Essentials Mathematical Modeling or Essentials Algebra with Finance, Career Mathematics, or other mathematics credit eligible course from AL Mathematics COS, CTE, AP/IB, or postsecondary | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Science Four credits to include: | Options include: Alabama Course of Study: Science or science credit-eligible courses from Career & Technical Education | |
| | Biology or Essentials Biology | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Physical Science (Chemistry, Physics, or Physical Science) or Essentials Physical Science | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Additional Science credit () or Essentials Earth and Space Science or Essentials Environmental Science | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Additional Science credit () or Essentials Human Anatomy & Physiology | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Social Studies Four credits to include: | Options include: Alabama Course of Study: Social Studies or SDE-approved Essentials courses | |
| | World History or Essentials I: World History | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | United States History I or Essentials II: U.S. History to 1877 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | United States History II or Essentials III: U.S. History from 1877 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | United States Government or Essentials IV: U.S. Government | <input type="checkbox"/> = 0.5 |
| | Economics or Essentials IV: Economics | <input type="checkbox"/> = 0.5 |
| Required Electives | Beginning Kinesiology or JROTC | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Health Education | <input type="checkbox"/> = 0.5 |
| | Career Preparedness | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Career Technical Education | Career & Technical Education (two credits) | |
| | Course: _____ | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Course: _____ | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Workforce Essentials or Transition Services | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Additional Electives | Cooperative Education/Work-Based Learning or Essentials Career Preparation | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Course: _____ | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Course: _____ | <input type="checkbox"/> = 0.5 |
| Total Credits should be equal to 24 credits | | Total Credits: |

12/2021

Alabama High School Diploma

Alternate Achievement Standards Pathway -- Diploma Credits Checklist

Student Name: _____ Anticipated Graduation Year: _____

Directions: Use the student's current transcript to mark off (☒) earned credits each semester. Each box represents one-half credit earned. Ensure that all graduation requirements are met before graduation.

| Course Requirements | | |
|--|---|---|
| English/Language Arts Four credits to include: | AAS: English Language Arts-9 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: English Language Arts-10 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: English Language Arts-11 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: English Language Arts-12 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Mathematics Four credits to include: | AAS: Mathematics-9 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Mathematics-10 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Mathematics-11 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Mathematics-12 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Science Four credits to include: | AAS: Science-9 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Science-10 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Science-11 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Science-12 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Social Studies Four credits to include: | AAS: Social Studies-9 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Social Studies-10 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Social Studies-11 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Social Studies-12 | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Required Electives | Beginning Kinesiology OR JROTC | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Life Skills (aligned with Health for one semester) | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Life Skills (aligned with Career Preparation) | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Vocational & Community-based | AAS: Prevocational | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Vocational | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Community-based Instruction | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | AAS: Life Skills | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| | Additional elective: | <input type="checkbox"/> <input type="checkbox"/> = 1 |
| Total Credits should be equal to 24 credits | | Total Credits: |

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 Community-Based Instruction, and/or AAS Elective Course are locally developed. Each class/school/LEA is expected to have course syllabi on file and documentation that the students completed the objectives. One of the locally developed AAS Life Skills courses should align to the topics in the Career Preparedness course that other students are required to take. This means it should include content related to Career and Academic Planning, Computer Applications, and Financial Literacy. (ALSDE Memorandum FY14-2057)

12/2021

ENGLISH AS A SECOND LANGUAGE PROGRAM

English as a Second Language (ESL) courses are designed to meet the individual needs of English Learners (ELs). The program offers courses that develop the individual's use and understanding of English and assist EL students in subject areas. The courses may be offered by all secondary schools that provide courses for middle or high school students.

Sheltered Instruction Content classes are offered at several middle and high school campuses to support EL students in academic core classes. These sheltered classes use the same Alabama Course Code as the regular core class.

The following courses are offered for elective credit each term. Elective credit is awarded as needed and as directed by the student's I-ELP (Individual English Language Plan).

ESL Resource Teachers work with school counselors to develop individual student schedules based on language proficiency. The courses are open to English Learners based on scores from the ACCESS for ELLs 2.0 English Language Proficiency Test.

ESL Elective I

SDE# 01008G10E1

Prerequisite: Placement by ESL Resource Teacher

1 term/1 credit

Grades 9-12

This **beginning course** is for **non-English speakers** and develops English skills in listening, speaking, reading, and writing. This course **may not** be substituted for one of the four English credits required for graduation.

ESL Elective II

SDE# 01008G10E2

Prerequisite: Placement by ESL Resource Teacher

1 term/1 credit

Grades 9-12

This **beginning course** is for **non- or limited English speakers** and is a continuation of ESL Elective I. This course is designed to provide students with the opportunity to further their development of English skills in listening, speaking, reading, and writing. This course **may not** be substituted for one of the four English credits required for graduation.

ESL Elective III

SDE# 01008G10E3

Prerequisite: Placement by ESL Resource Teacher

1 term/1 credit

Grades 9-12

This **beginning course** is for **limited and developing English speakers** and is a continuation of ESL Elective II. This course is designed to provide students with additional opportunity to further their development of English skills in listening, speaking, reading, and writing. This course **may not** be substituted for one of the four English credits required for graduation.

ESL Elective IV

SDE# 01008G10E4

Prerequisite: Placement by ESL Resource Teacher

1 term/1 credit

Grades 9-12

This **beginning course** is for **limited and developing-English speakers** and is a continuation of ESL Elective III. This course is designed to provide students with additional opportunity to further their development of English skills in listening, speaking, reading, and writing. This course **may not** be substituted for one of the four English credits required for graduation.

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| Agricultural Communication and Technology | \$20 | 76 |
| Agricultural Marketing & Management | \$20 | 76 |
| Food Safety and Microbiology | \$20 | 76 |
| Forestry | \$20 | 76 |
| Horticultural Science | \$20 | 77 |
| Aquaculture Science | \$20 | 77 |
| Dendrology | \$20 | 77 |
| Introduction to Agricultural Construction | \$20 | 77 |
| Introduction to Animal and Dairy Science | \$20 | 77 |
| Aquatic Biology | \$20 | 77 |
| Equine Science | \$20 | 78 |
| Poultry Science | \$20 | 78 |
| Introduction to Veterinary Science | \$20 | 78 |
| Veterinary Science | \$20 | 78 |
| Poultry Industrial Maintenance | \$20 | 78 |
| CTE Lab in Agriculture, Food Natural Resources | \$20 | 78 |
| Career Pathway Project in AFNR | \$20 | 79 |
| Fish & Wildlife Management | \$20 | 79 |
| Floriculture and Floral Design | \$20 | 79 |
| Greenhouse and Nursery Production | \$20 | 79 |
| Landscape Design and Management | \$20 | 79 |
| Turf Management | \$20 | 80 |
| Construction Finishing & Interior Systems | \$20 | 80 |
| Construction Framing | \$20 | 80 |
| Construction Site Prep & Foundation | \$20 | 80 |
| Forest Industrial Maintenance | \$20 | 80 |
| Urban Forestry | \$20 | 80 |
| Plant Biotechnology | \$20 | 80 |
| Environmental Management | \$20 | 81 |
| Agricultural Engines | \$20 | 81 |
| Agricultural Welding I | \$20 | 81 |
| Agricultural Welding II | \$20 | 81 |
| Introduction to Agricultural Wiring | \$20 | 81 |
| Residential and Commercial Power Equipment | \$20 | 81 |
| Wildland Firefighting and Controlled Fire | \$20 | 82 |
| Poultry Industrial Maintenance | \$20 | 82 |

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| Business Management and Administration Cluster | | |
| Business and Consumer Mathematics | \$20 | 85 |
| Business and Legal Concepts | \$20 | 85 |
| Business Communication | \$20 | 85 |
| Business Essentials | \$20 | 86 |
| Business Software Applications I | \$20 | 86 |
| Business Software Applications II | \$20 | 86 |
| Career Pathway Project-Business Management and Administration | | 86 |
| Career Preparedness | | 87 |
| Cooperative Education | \$20 | 87 |
| CTE Lab in Business Management & Administration | \$20 | 87 |
| Customer Service and Sales | \$20 | 87 |
| Foundations of Business Leadership | \$20 | 87 |
| International Business Concepts | \$20 | 87-88 |
| AP Computer Science Principles | \$20 | 88 |
| AP Computer Science A | \$20 | 88 |
| Computer Gaming and Simulation Programming | \$20 | 88 |
| Computer Science for Business | \$20 | 88 |
| Data Analytics | \$20 | 88 |
| Digital Media Design | \$20 | 89 |
| Digital Publications Designs | \$20 | 89 |
| Exploring Computer Science | \$20 | 89 |
| Information Management | \$20 | 89 |
| Introduction to Computer Science – TEALS | \$20 | 89 |
| Mobile Application Development | \$20 | 90 |
| Web Development | \$20 | 90 |
| Economic and Financial Services | \$20 | 90 |
| Entrepreneurship | \$20 | 90 |
| Event Planning and Management | \$20 | 90 |
| Human Resource Management | \$20 | 91 |
| Education and Teaching Cluster | | |
| Foundation in Education | \$20 | 92 |
| Career Pathway Project Education and Training | \$20 | 92 |
| Careers in Education | \$20 | 92 |
| Communication for Leaders | \$20 | 92 |
| CTE Lab in Education and Training | \$20 | 92 |
| Education and Training Internship | \$20 | 93 |
| Methods in Education | \$20 | 93 |
| Practices in Education | \$20 | 93 |
| Government & Public Administration Cluster | | |
| AFJROTC Leadership and Aviation History | \$20 | 95 |
| AFJROTC Leadership and Science of Flight | \$20 | 96 |
| AFJROTC Leadership I (one-half credit) | \$10 | 96 |

| CAREER TECHNICAL ELECTIVES | | |
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| COURSE TITLE | Fee | PAGE |
| AFJROTC Leadership II (one-half credit) | \$10 | 96 |
| AFJROTC Leadership III (one-half credit) | \$10 | 96 |
| AFJROTC Leadership IV (one-half credit) | \$10 | 96 |
| AFJROTC Aviation History (one-half credit) | \$10 | 96 |
| AFJROTC Science of Flight (one-half credit) | \$10 | 96 |
| AFJROTC Global and Cultural Studies (one-half credit) | \$10 | 96 |
| AFJROTC Leadership and Exploration of Space | \$20 | 96-97 |
| AFJROTC Leadership and Management of the Cadet Corps and Financial Education | \$20 | 97 |
| AFJROTC Leadership and Cultural Studies | \$20 | 97 |
| AFJROTC Leadership and Survival | \$20 | 97 |
| AFJROTC Honors Ground School | \$20 | 97 |
| AFJROTC Unlocking Your Potential (one-half credit) | \$10 | 97 |
| AFJROTC Congressional Medal of Honor (one-half credit) | \$10 | 97 |
| AFJROTC Cadet Guide Handbook (one-half credit) | \$10 | 97 |
| CTE Lab in Government & Public Administration | \$20 | 98 |
| Senior Career Pathway Project JROTC | \$20 | 98 |
| NJROTC Naval Science I: Intro to US Navy | \$20 | 98 |
| NJROTC Naval Science II: Maritime History, Leadership & Nautical Studies | \$20 | 98 |
| NJROTC Naval Science III: Naval Knowledge & Skills | \$20 | 98 |
| NJROTC Naval Science IV: Advanced Leadership | \$20 | 98 |
| Navy Science 1-b | \$20 | 98 |
| Navy Science 2-b | \$20 | 98 |
| Navy Science 3-b | \$20 | 99 |
| Navy Science 4-b | \$20 | 99 |
| JROTC Leadership Application | \$10 | 99 |
| Geography-Maps and Regions, JROTC | \$10 | 99 |
| Success for Life – JROTC | \$10 | 99 |
| Citizenship and the Constitution | \$10 | 99 |
| Health Science Cluster | | |
| Foundations of Health Science | \$20 | 101 |
| Advanced Health Seminar | \$20 | 101 |
| Dental Assisting | \$20 | 101 |
| Diagnostic Services | \$20 | 101 |
| Exercise Prescription Physiology | \$20 | 101 |
| Emergency Services and Management | \$20 | 101 |
| Forensic Science and Crime Scene Investigation | \$20 | 102 |
| Health Informatics | \$20 | 102 |
| Health Science Internship I | \$20 | 102 |
| Health Science Internship II | \$20 | 102 |

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| Introduction to Biotechnology | \$20 | 102 |
| Introduction to Pharmacy | \$20 | 103 |
| Introduction to Veterinary Science | \$20 | 103 |
| Kinesiology and Biomechanics | \$20 | 103 |
| Medical Coding | \$20 | 103 |
| Medical Terminology | \$20 | 103 |
| Nurse Aid Training | \$20 | 103 |
| Nutrition in Healthcare | \$20 | 104 |
| Operating Room Foundations | \$20 | 104 |
| Orientation to Health Science | \$20 | 104 |
| Patient Care Technician | \$20 | 104 |
| Pharmacy Technician | \$20 | 104 |
| Safety and Health Regulations | \$20 | 104 |
| Sports Medicine Fundamentals | \$20 | 105 |
| Sports Medicine Intermediate | \$20 | 105 |
| Sports Medicine Advanced | \$20 | 105 |
| Support Services | \$20 | 105 |
| Therapeutic Services | \$20 | 105 |
| CTE Lab in Health Science | \$20 | 105 |
| Senior Career Pathway Project, Health Science | \$20 | 106 |
| Hospitality and Tourism Cluster | | |
| Introduction to Hospitality and Tourism | \$35 | 107 |
| Baking and Pastry Arts | \$35 | 107 |
| Career Pathway Project (CPP) in Hospitality and Tourism | \$35 | 107 |
| CTE Lab in Hospitality and Tourism | \$20 | 108 |
| Culinary Arts I | \$35 | 108 |
| Culinary Arts II | \$20 | 108 |
| Cultural Foods | \$20 | 108 |
| Sports, Recreation and Attractions Management I | \$20 | 108 |
| Sports, Recreation and Attractions Management II | \$20 | 108 |
| Entrepreneurship | \$20 | 109 |
| Event Planning & Management | \$35 | 109 |
| Hospitality Management and Marketing | \$20 | 109 |
| Cooperative Education | | |
| Cooperative Education / WBL | \$10 | 109 |
| Human Services Cluster | | |
| Counseling and Mental Health | \$20 | 112 |
| Event Planning & Management | \$20 | 112 |
| Family and Consumer Sciences | \$20 | 112 |
| Entrepreneurship in FACS | \$20 | 112 |
| Counseling and Mental Health | \$20 | 113 |
| Family Studies and Consumer Services I | \$20 | 113 |

| CAREER TECHNICAL ELECTIVES | | |
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| Family Studies and Consumer Services II | \$20 | 113 |
| Gerontology | \$20 | 113 |
| Food and Nutrition | \$20 | 113 |
| Food Safety and Microbiology | \$20 | 113 |
| Chemistry of Food | \$20 | 113 |
| Dietetics | \$20 | 114 |
| Creative Designs | \$20 | 114 |
| Life Connections | \$20 | 114 |
| Sports Nutrition | \$20 | 114 |
| Retail and Fashion Merchandising | \$20 | 114 |
| Fashion | \$20 | 114 |
| Fashion Design | \$20 | 115 |
| Fashion Media | \$20 | 115 |
| Food Innovation and Media | \$20 | 115 |
| Housing | \$20 | 115 |
| Interior Design I | \$20 | 115 |
| Interior Design II | \$20 | 116 |
| Art, Architecture, and Design | \$20 | 116 |
| Buying and Selling Real Estate | \$20 | 116 |
| Introduction to Real Estate | \$20 | 116 |
| The Real Estate Brokerage Business | \$20 | 116 |
| CTE Lab in Human Services | \$20 | 117 |
| Senior Career Pathway Project Human Services | \$20 | 117 |
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| Advertising and Sales | \$20 | 118 |
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| Business Software Applications I | \$20 | 118 |
| Buying and Selling Real Estate | \$20 | 119 |
| Career Pathway Project in Marketing | \$20 | 119 |
| Career Preparedness | | 119 |
| Cooperative Education | \$20 | 119 |
| CTE Lab in Marketing | \$20 | 119 |
| Real Estate Sales Program | | |
| Digital Marketing | \$20 | 121 |
| Entrepreneurship | \$20 | 121 |
| Foundations of Business Leadership | \$20 | 121 |
| Hospitality Management and Marketing | \$20 | 121 |
| Marketing Principles | \$20 | 121 |
| Project Management | \$20 | 121 |
| Retail and Fashion Marketing | \$20 | 122 |
| Sports and Entertainment Marketing Fundamentals | \$20 | 122 |
| Science, Technology, Engineering, and Mathematics (STEM) Cluster | | |
| Foundations of Engineering & Technology | \$20 | 123 |

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| Computer Engineering & Technology | \$20 | 124 |
| Environmental Engineering | \$20 | 124 |
| Robotics Systems | \$20 | 124 |
| Basic Programming for Engineers | \$20 | 124 |
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| Career Pathway Project in STEM | \$20 | 125 |

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| Cabinet Finishing | \$20 | 128 |
| Cabinetmaking Joinery | \$20 | 128 |
| Career Pathway Project in Architecture and Construction | \$20 | 128 |
| Carpentry: Commercial Framing and Layout | \$20 | 128 |
| Construction Building Systems | \$20 | 129 |
| Construction Finishing | \$20 | 129 |
| Construction Foundation Layout | \$20 | 129 |
| CTE Lab in Architecture and Construction | \$20 | 129 |
| Industrial Carpentry | \$20 | 129 |
| Industrial Site Layout, Formwork, and Concrete | \$20 | 129 |
| Residential Building | \$20 | 130 |
| Wood Technology: Two-Dimensional Design | \$20 | 130 |
| Wood Technology: Three-Dimensional Design | \$20 | 130 |
| Safety & Health Regulation | \$20 | 130 |
| Project Management | \$20 | 130 |
| HVAC Fundamentals | \$20 | 130 |
| HVAC Installation and Operation | \$20 | 131 |
| HVAC Refrigeration Systems | \$20 | 131 |
| Welding: GMAW and FCAW | \$20 | 131 |
| Welding: SMAW I | \$20 | 131 |
| Welding: SMAW II | \$20 | 131 |
| Electrical Fundamentals | \$20 | 131 |
| Electrical Installation | \$20 | 132 |
| Electrical Technology | \$20 | 132 |
| Motor Controls | \$20 | 132 |
| Plumbing and Pipefitting | \$20 | 132 |
| Plumbing Systems | \$20 | 132 |

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| Building Construction, HVAC & Welding | Fee | PAGE |
| Construction Basics | \$20 | 133 |
| Floors, Walls, and Site Preparation | \$20 | 133 |
| Floors, Walls, and Site Preparation LAB | \$20 | 134 |
| Construction Basics LAB | \$20 | 134 |
| Basic Construction Layout | \$20 | 134 |
| Construction Measurement & Calculations | \$20 | 134 |
| Roof and Ceiling Systems | \$20 | 134 |
| Roof and Ceiling Systems LAB | \$20 | 134 |
| Residential Wiring Methods | \$20 | 135 |
| NCCER Core | \$20 | 135 |
| Heat Pump Systems I | \$20 | 135 |
| Heat Pump Systems II | \$20 | 135 |
| Principles of Refrigeration | \$20 | 135 |
| HVACR Service Procedures | \$20 | 135 |
| Principles of Electricity for HVACR | \$20 | 136 |
| HVACR Electric Circuits | \$20 | 136 |
| Shielded Metal Arc Fillet/OFC | \$20 | 136 |
| Shielded Metal Arc Fillet/ OFC LAB | \$20 | 136 |
| Shielded Metal Arc Fillet/ PAC/ CAC | \$20 | 136 |
| Shielded Metal Arc Fillet/ PAC/ CAC Lab | \$20 | 137 |
| Shielded Metal Arc Welding Groove | \$20 | 137 |
| Shielded Metal Arc Welding Groove LAB | \$20 | 137 |
| Gas Metal Arc/Flux Core Arc Welding | \$20 | 137 |
| Gas Metal Arc/Flux Core Arc Welding LAB | \$20 | 137 |
| NCCER Core | \$20 | 137 |
| Gas Tungsten Arc Welding | \$20 | 138 |
| Introduction to Maritime Industry (Austal Pre-Apprenticeship) | \$20 | 138 |
| ARTS, A/V Technology, And Communications Cluster | | |
| Introduction to Advertising Design | \$20 | 139 |
| Foundation of Arts, Audio-Video Technology and Communication | \$20 | 139 |
| Digital Design | \$20 | 139 |
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| Studio & Portfolio | \$20 | 140 |
| CTE Lab in Arts, AV Television, and Communication | \$20 | 140 |
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| Children's' Creative Experiences | \$20 | 143 |
| Methods and Materials for Teaching Children | \$20 | 143 |
| Children's Health and Safety | \$20 | 144 |
| Children's Lit and Language Development | \$20 | 144 |
| Educating Exceptional Children | \$20 | 144 |
| Introduction to Education | \$20 | 144 |
| Classroom Management | \$20 | 144 |
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| Hair Coloring | \$20 | 147 |
| Nail Technology I | \$20 | 147 |
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| Natural Hairstyling | \$20 | 147 |
| Salon Practices and Management | \$20 | 147 |
| Spa Techniques I | \$20 | 148 |
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| State Board Practicum | \$20 | 148 |
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| Long Term Care Nursing Assistant (CNA) | \$20 | 150 |
| Foundations of Health Science | \$20 | 150 |
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| Dental Assisting | \$20 | 151 |
| Diagnostic Services | \$20 | 151 |
| Exercise Prescription Physiology | \$20 | 151 |
| Emergency Services and Management | \$20 | 151 |
| Forensic Science and Crime Scene Investigation | \$20 | 151 |
| Health Informatics | \$20 | 152 |
| Health Science Internship I | \$20 | 152 |
| Health Science Internship II | \$20 | 152 |
| Human Body Structures and Functions | \$20 | 152 |
| Introduction to Biotechnology | \$20 | 152 |
| Introduction to Pharmacy | \$20 | 152 |
| Introduction to Veterinary Science | \$20 | 153 |
| Kinesiology and Biomechanics | \$20 | 153 |
| Medical Coding | \$20 | 153 |
| Medical Terminology | \$20 | 153 |
| Nurse Aid Training | \$20 | 153 |
| Nutrition in Healthcare | \$20 | 153 |
| Operating Room Foundations | \$20 | 154 |
| Orientation to Health Science | \$20 | 154 |
| Patient Care Technician | \$20 | 154 |
| Pharmacy Technician | \$20 | 154 |
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| HOSPITALITY AND TOURISM CLUSTER DUAL ENROLLED COASTAL COURSES | | |
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| Culinary Arts I | \$35 | 157 |
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| Event Planning & Management | \$35 | 158 |
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| INFORMATION TECHNOLOGY PROGRAM | | |
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| TRANSPORTATION, DISTRIBUTION AND LOGISTICS DUAL ENROLLED COASTAL COURSES | | |
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| ASE101 Fundamentals of Automotive Technology | \$20 | 167 |
| ASE162 Electrical & Electronic Systems | \$20 | 167 |
| ASE212 Advanced Electrical and Electronic Systems | \$20 | 167 |
| ASE239 Engine Performance & Diagnostics | \$20 | 167 |
| ASE124 Automotive Engines | \$20 | 167 |
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| Automotive Technology Foundation | \$20 | 168 |
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| Safety and Health Regulations | \$20 | 169 |
| CTE Lab in Transportation, Distribution and Logistics | \$20 | 169 |
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| Principles of Refrigeration | \$20 | 173 |
| HVACR Service Procedures | \$20 | 173 |
| HVACR Electric Circuits | \$20 | 173 |
| Basic Electricity | | 173 |
| Residential Wiring Methods | \$20 | 173 |
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| IB Designing Technology SL | | 175 |
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| IB French, B, HL, IB | \$7.50 | 177 |
| IB History HL | | 179 |
| IB Physics SL | \$20 | 176 |
| IB Physics HL | \$20 | 176 |
| IB Psychology SL | \$20 | 179 |
| IB Psychology HL | \$20 | 179 |
| IB Math Analysis and Approaches SL | | 178 |
| IB Math Applications and Interpretations SL | | 178 |
| IB Music SL | \$20 | 178 |
| IB Music HL | \$20 | 178 |
| IB Spanish SL | \$7.50 | 177 |
| IB Spanish B, HL | \$7.50 | 178 |
| IB Theatre SL | \$20 | 179 |
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