

# HIGH SCHOOL ACADEMIC GUIDE

*Course Descriptions*



**BALDWIN COUNTY PUBLIC SCHOOLS**  
*Building Excellence*

Class of 2029

*Issued 2025*

**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.

## TABLE OF CONTENTS

<u>Forward</u> .....	1
<u>Diploma Requirements</u> .....	3-13
College Career Readiness .....	10
Required Civics Exam .....	10
Seal of Biliteracy .....	10
Required Personal Financial Literacy Exam .....	11
<u>Credits</u>	
Definition of Credit .....	14
Grading Scale .....	14
Grade Point Average (GPA) .....	14
Academic Honors and Class Rank .....	14
Course Weights .....	15
Transferring credits .....	15-17
Athletic/Extracurricular Eligibility .....	17
<u>Academic Programs &amp; Procedures</u>	
ACCESS Distance Learning .....	17
Advanced Placement (AP®) .....	17-18
Application for ½ Credit .....	18
Baldwin County Virtual School .....	18
Work-Based Learning-Cooperative Education (CO-OP) .....	18
Correspondence Courses .....	19
Credit Recovery .....	19
Dual Enrollment .....	20
High School Early Exit .....	20
International Baccalaureate (IB) .....	21
Dual Enrollment Early Release Program .....	21
Summer School .....	21-22
<u>Course Descriptions</u>	
Core Courses (English, Math, Science, Social Studies) .....	23-37
State Required Career Preparedness Courses .....	38
Core Electives .....	39-66
General Electives .....	67
College and Career Preparation .....	68-69
Intervention – Extensions .....	70
Career Technical “Declared” Programs offered .....	71-72
Career Technical Electives (CTE) .....	73-174
Career Tech Dual Enrollment, Articulation Agreements .....	174
<u>Individualized Program Courses</u>	
International Baccalaureate (IB) .....	175-180
Essentials/Life Skills Courses (Formerly AOD) .....	181-183
Selecting the Highest, Most Appropriate Alabama High School Diploma Pathway .....	184
The New Alabama High School Diploma Work Component Requirements .....	185
AAA Courses Per Grade Level .....	186
Diploma Credit Check List .....	187-189
English Language Learners (ELL) .....	190
<u>Index</u> .....	191-199

# ALABAMA HIGH SCHOOL DIPLOMA

Applies to students entering 9th grade in 2024 academic year and thereafter.

## 24 Credits Required for Graduation

<b>English</b> .....	<b>4 credits</b>
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
<b>Mathematics</b> .....	<b>4 credits</b>
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	
<b>Select an additional course from the following to meet the remaining mathematics credit requirement:</b>	
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
<b>Science</b> .....	<b>4 credits</b>
Biology or Honors Biology .....	1
A physical science course (either Physical Science, Chemistry, or Physics) .....	1
plus	
<b>Select two additional courses from the following to meet the remaining 3<sup>rd</sup> &amp; 4<sup>th</sup> science credit requirements:</b>	
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
<b>Social Studies</b> .....	<b>4 credits</b>
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.

\*\*\*\* Effective with the graduating Class of 2026, 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 college and career readiness indicators approved by the Alabama State Board of Education.

## 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.

## Student Four Year Plan: Option A

### ALABAMA HIGH SCHOOL DIPLOMA Option A

Name: \_\_\_\_\_ Student Number: \_\_\_\_\_ Date: \_\_\_\_\_

Graduation Requirements					
Subject	Credit	9th	10th	11th	12th
English	4				
Mathematics	4				
Science	4				
Social Studies	4				
Health	0.5				
Beginning Kinesiology or JROTC	1				
CTE/World Language/Fine Art	3				
Career Preparedness	1				
Electives	2.5				
Total	24				

Four Year Plan							
9 <sup>th</sup> Grade Courses		10 <sup>th</sup> Grade Courses		11 <sup>th</sup> Grade Courses		12 <sup>th</sup> 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	
Make-Up Courses		Make-Up Courses		Make-Up Courses		Make-Up Courses	
1		1		1		1	
2		2		2		2	

Additional Graduation Requirements	
Civics Exam (administered in the Government course)	
Financial Literacy Exam (administered in the Career Preparedness course)	
College and Career Indicator (see list in adjacent table)	
FAFSA application/Approved Waiver	

College and Career Indicators	
ACT benchmark score (any subject area)	
Qualifying Advanced Placement (AP) exam score (3 or higher)	
Qualifying International Baccalaureate (IB) exam score (4 or higher)	
Earning college credit while in high school	
Silver or gold level on ACT WorkKeys Exam	
In-school youth apprenticeship program	
Career technical industry credential	
Military acceptance before graduation	
Career and technical education (CTE) completer status	
Approved Computer Science course	

- 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).
- Honors classes are approved equivalents of standard level courses if available on your campus.
- 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 world 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

Applies to students entering 9th grade in 2024 academic year and thereafter.

## GRADUATING CLASS OF 2028 AND BEYOND OPTION B

### 24 Credits Required for Graduation

<b>English</b> .....	<b>4 credits</b>
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
<b>Mathematics</b> .....	<b>2 credits</b>
Geometry with Data Analysis or Honors Geometry with Data Analysis .....	1
Algebra I with Probability or Honors Algebra I with Probability .....	1
<b>Science</b> .....	<b>2 credits</b>
Biology or Honors Biology .....	1
A physical science course (either Physical Science, Chemistry, or Physics) .....	1
<b>Social Studies</b> .....	<b>4 credits</b>
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 ( <i>required if student earned credit for AP European History or AP Human Geography</i> ) 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
<b>Beginning Kinesiology or JROTC</b> .....	<b>1 credit</b>
<b>Career Preparedness ***</b> .....	<b>1 credit</b>
<b>Health</b> .....	<b>0.5 credit</b>
<b>Electives</b> .....	<b>6.5 credits</b>
<b>Career Tech</b> .....	<b>3 credits</b>

\*Course requires ALSDE approval of annual course waiver.

\*\*Option B graduates must obtain CTE Completer status

\*\*\*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.

\*\*\*\* Effective with the graduating Class of 2026, 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 college and career readiness indicators approved by the Alabama State Board of Education.

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.

## Student Four Year Plan: Option B

### ALABAMA HIGH SCHOOL DIPLOMA Option B

Name: \_\_\_\_\_ Student Number: \_\_\_\_\_ Date: \_\_\_\_\_

Graduation Requirements					
Subject	Credit	9th	10th	11th	12th
English	4				
Mathematics (Geometry & Algebra I)	2				
Science (Biology & HS Physical Science)	2				
Social Studies	4				
Health	0.5				
Beginning Kinesiology or JROTC	1				
Career and Technical Education ( <i>must be from an approved program, resulting in CTE completer status</i> )	3				
Career Preparedness	1				
Electives	6.5				
Total	24				

Four Year Plan							
9 <sup>th</sup> Grade Courses		10 <sup>th</sup> Grade Courses		11 <sup>th</sup> Grade Courses		12 <sup>th</sup> 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	
Make-Up Courses		Make-Up Courses		Make-Up Courses		Make-Up Courses	
1		1		1		1	
2		2		2		2	

Additional Graduation Requirements	
Civics Exam ( <i>administered in Government course</i> )	
Financial Literacy Exam ( <i>administered in Career Preparedness course</i> )	
College and Career Indicator ( <i>see list in adjacent table</i> )	
FAFSA application/Approved waiver	
CTE completer status	

College and Career Indicators	
ACT benchmark score (any subject area)	
Qualifying Advanced Placement (AP) exam score (3 or higher)	
Qualifying International Baccalaureate (IB) exam score (4 or higher)	
Earning college credit while in high school	
Silver or gold level on ACT WorkKeys Exam	
In-school youth apprenticeship program	
Career technical industry credential	
Military acceptance before graduation	
Career and technical education (CTE) completer status	
Approved Computer Science course	

- 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).
- Honors classes are approved equivalents of standard level courses if available on your campus.
- 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 world 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
World 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 <sup>a</sup> (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 .....	
Additional IB Course (SL or HL).....	1
Theory of Knowledge.....	1
Electives .....	2.5

### Minimum Carnegie Units Required .....28\*

\*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.

\*\*\*\*\* Effective with the graduating Class of 2026, 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 college and career readiness indicators approved by the Alabama State Board of Education.

## Student Four Year Plan: IB Diploma

### ALABAMA HIGH SCHOOL DIPLOMA IB Diploma

Name: \_\_\_\_\_ Student Number: \_\_\_\_\_ Date: \_\_\_\_\_

Graduation Requirements					
Subject	Credit	9th	10th	11th	12th
English	4				
Mathematics	5				
Science	4				
Social Studies	4				
World Language	4				
Health	0.5				
Beginning Kinesiology or JROTC	1				
Career Preparedness	1				
Theory of Knowledge	1				
Additional IB Course (SL or HL)	1				
Electives	2.5				
Total	28				

Four Year Plan							
9 <sup>th</sup> Grade Courses		10 <sup>th</sup> Grade Courses		11 <sup>th</sup> Grade Courses		12 <sup>th</sup> 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	
Make-Up Courses		Make-Up Courses		Make-Up Courses		Make-Up Courses	
1		1		1		1	
2		2		2		2	

Additional Graduation Requirements	
Civics Exam (administered in Government course)	
Financial Literacy Exam (administered in Career Preparedness course)	
College and Career Indicator (see list in adjacent table)	
FAFSA application/Approve waiver	

College and Career Indicators	
ACT benchmark score (any subject area)	
Qualifying Advanced Placement (AP) exam score (3 or higher)	
Qualifying International Baccalaureate (IB) exam score (4 or higher)	
Earning college credit while in high school	
Silver or gold level on ACT WorkKeys Exam	
In-school youth apprenticeship program	
Career technical industry credential	
Military acceptance before graduation	
Career and technical education (CTE) completer status	
Approved Computer Science course	

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 world 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.

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*
02154G1001	Business and Consumer Mathematics
14254G1010	Medical Mathematics

\*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.

**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
<b>Total Credits Required for Graduation</b>		<b>24</b>

\* 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	03101H1000	0.5	Marine Science Honors	03005G10HC	0.5
Economics Hon	04201H0500	0.5	Physics Hon	03151H1000	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	
	<b>ACCEPTS DECISION</b>	<b>CONTESTS DECISION</b>
	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](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 \$99 (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](http://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](http://www.bcbe.org)

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

SDE # 22998-G1014

The Work-based Learning (Co-Op) course is offered to 11<sup>th</sup> and 12<sup>th</sup> 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 5<sup>th</sup> 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 4<sup>th</sup> 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 Auburn University (AU)** 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.

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](http://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 11<sup>th</sup> and 12<sup>th</sup> 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 11<sup>th</sup> or 12<sup>th</sup> 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 6<sup>th</sup> 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 5<sup>th</sup> 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.

# 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.

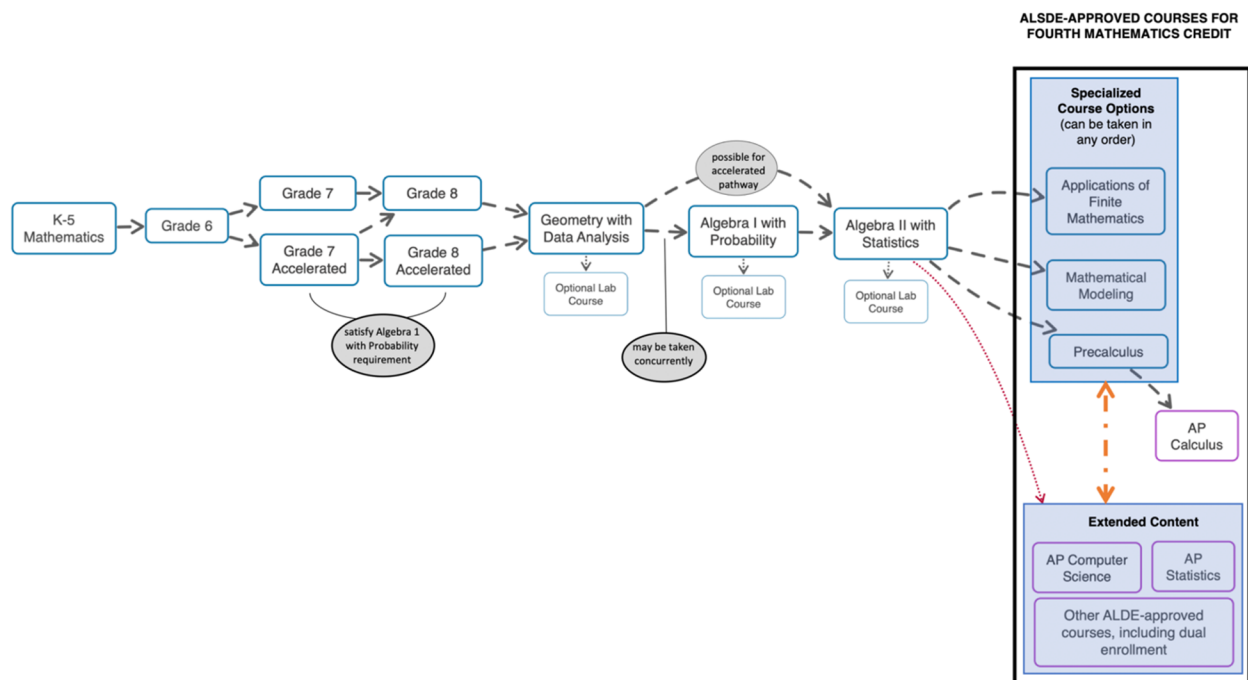
The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use 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: Required: Completion of Algebra I

Prerequisite: Recommended: Completion of Honors Biology

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.

## Honors Physics

SDE# 03151H1000

Prerequisite: Any course meeting the Biology graduation requirement

Preferred completion of or concurrently taking Algebra II W/Stats

1 term/1 credit

Grades 10-12

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

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

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®) 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®) 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®) Government and Politics**

SDE# 04157E0500

.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.

## 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

### 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.

**An AP European History credit 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 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®) Human Geography

SDE# 04004E1000

1 term/1credit

Grade 10-12

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.

**An AP Human Geography credit 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 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®) Psychology

SDE# 04256E1000

1 term/1 credit

Grades 11-12

Fee: \$20.00

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

**An AP Psychology credit 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 Psychology 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.**

### Contemporary World Issues and Civic Engagement

SDE# 04064G1000

SDE# 04064G10CH

1 term/1credit

0.5 term/0.5 credit

Grades 11-12

Fee: \$5.00

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

**A contemporary world issues and civic engagement credit 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 contemporary world issues and civic engagement 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.**

## Human Geography

SDE# 04002G1000  
SDE# 04002G0500

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

Survey of the nature of human geography through population studies, characteristics and distribution of cultural mosaics, spatial patterns of economic interactions, human settlement, and division of Earth's surface through forces of cooperation and conflict.

**A human geography credit 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 human geography 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.**

## Psychology

SDE# 04254G1000  
SDE# 04254G10PH

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

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

**A psychology credit 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 psychology 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.**

## Sociology

SDE# 04258G1000  
SDE# 04258G10SH

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

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

**A sociology credit 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 psychology 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.**

## 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

Prerequisite: Technical Theatre I or approval of the instructor

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

Prerequisite: technical theatre production 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 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

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

1 term/ 1credit

Grades 9-12

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.

## **GENERAL 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.

## **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

### **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# 0511G10W4

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  
Baldwin County High Schools  
2025 - 2026**

**Baldwin County High School**

1. General Agriculture
2. Health Science – Sports Medicine
3. JROTC - Airforce
4. Marketing
5. Access: Health Science
6. Access: Professional Sales

**Daphne High School**

1. Business Information Technology
2. Entertainment and Media
3. Food and Beverage Service
4. General Agriculture
5. JROTC - Airforce
6. Management
7. Access Business Information Technology
8. Access: Business Management
9. Access: Professional Sales

**Elberta High School**

1. General Agriculture
2. JROTC - Navy
3. Marketing
4. Nutrition and Wellness
5. Access: Professional Sales

**Fairhope High School**

1. Animal Science
2. CTE Engineering
3. Educators in Training
4. JROTC - Airforce
5. Marketing
6. Nutrition and Wellness
7. Access: Professional Sales

**Foley High School**

1. CTE Engineering
2. Educators in Training
3. Entertainment and Media Program
4. General Agriculture
5. Health Science – Sports Medicine
6. JROTC – Airforce
7. Law and Public Safety
8. Marketing
9. Real Estate Sales
10. Sports, Recreation & Attractions
11. Access: Health Science
12. Access: Professional Sales

**Robertsdale High School**

1. Business Information Technology
2. Clothing, Textiles and Interior Design
3. General Agriculture
4. JROTC – Navy
5. Marketing
6. Nutrition and Wellness
7. Access Business Information Technology
8. Access: Business Management
9. Access: Professional Sales

**Spanish Fort High School**

1. CTE Engineering
2. Entertainment and Media
3. Health Science – Sports Medicine
4. Marketing
5. Nutrition and Wellness
6. Access: Health Science
7. Access: Professional Sales

**Baldwin County Virtual School**

1. Access Business Information Technology
2. Access: Business Management



3. Access: Health Science
4. Access: Professional Sales

**Baldwin Preparatory Academy**

1. Automotive Technology
2. Aviation
3. Teacher Academy
4. Construction Technology
5. Cosmetology and Barbering
6. Cybersecurity
7. Health Science
8. Heating, Ventilation, and Air Conditioning
9. Mechatronics
10. Food and Beverage Service
11. Visual Arts
12. 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	<b>General Agriculture Program</b> (Must teach three courses from this program list within two years) <b>( Offered at BCHS, DPHS, RBDS, FLYH, ELBH )</b>		
	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"> <li>• Adult Beef Quality Assurance (The following three areas required):               <ol style="list-style-type: none"> <li>1. Cow/Calf</li> <li>2. Feed yard</li> <li>3. Stocker</li> </ol> </li> <li>• Aquaculture Training and Online Learning (ATOLL) Aquaculture or Aquaponics</li> <li>• Biotechnician – Skills for Success</li> <li>• Briggs and Stratton Technician (Two of the following areas required)               <ol style="list-style-type: none"> <li>1. Theory of Operation</li> <li>2. Carburetors and Fuel Systems</li> <li>3. Governors</li> <li>4. Compression</li> <li>5. Ignition Systems</li> </ol> </li> <li>• Bulldozer – Skills for Success</li> <li>• Carpentry Helper – Skills for Success</li> <li>• Construction and Skilled Trade Assessment (CAST)</li> <li>• Ducks Unlimited Ecology Conservation and Management Certification</li> <li>• Electrical Helper – Skills for Success</li> <li>• Excavator Operator – Skills for Success</li> <li>• FAA Part 107</li> <li>• Forestry Worker Certification</li> <li>• Forklift – Skills for Success</li> <li>• Home Builders Association of Alabama Residential Construction Skills Certification</li> <li>• Integrated Pest Management Certification</li> <li>• Landscape Design (LD) Permit</li> <li>• Landscape Design and Plant Materials Certification</li> <li>• Landscape Management Technician</li> </ul>	<ul style="list-style-type: none"> <li>• Agricultural Engineer</li> <li>• Agricultural Equipment Operator</li> <li>• Agricultural Sales</li> <li>• Agriscience Teacher</li> <li>• Construction Laborer</li> <li>• Construction Manager</li> <li>• Electrician</li> <li>• Farm Equipment Mechanics and Service Technicians</li> <li>• Farmworkers, Farm, Ranch, and Aquacultural Animals</li> <li>• First-Line Supervisors of Farming, Fishing, and Forestry Workers</li> <li>• Food Quality Assurance</li> <li>• HVAC Technician</li> <li>• Industrial Maintenance Technician</li> <li>• Maintenance Technician</li> <li>• Plumber</li> <li>• Post-Secondary Agricultural Sciences Teacher</li> <li>• Refuse and Recyclable Material Collectors</li> <li>• USDA Inspector</li> <li>• Warehouse Facility Manager</li> <li>• Water and Wastewater Treatment Plant and System Operators</li> <li>• Welder</li> </ul>
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)		

		<ul style="list-style-type: none"> <li>• Land Survey Helper – Skills for Success</li> <li>• 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"> <li>1. Safety</li> <li>2. Quality Practices &amp; Measurement</li> <li>3. Manufacturing Processes &amp; Production</li> <li>5. Maintenance Awareness</li> </ol> </li> <li>• NCCER Core (module 6 is an elective and not required for CRI)</li> <li>• Nursery &amp; Landscape Worker – Skills for Success</li> <li>• Plumbing Helper – Skills for Success</li> <li>• Skid Steer – Skills for Success</li> <li>• Specialty Crops</li> <li>• Urban Forestry Technician</li> <li>• Water Treatment Operator Grade 2 - Skills for Success</li> </ul>	
--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

Career Pathway Program	<b>Animal Science Program</b> (Must teach three courses from this program list within two years) <b>( Offered at FHPH )</b>  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
18003G1003	Advanced Agriscience	<ul style="list-style-type: none"> <li>• Adult Beef Quality Assurance (The following three areas required):               <ol style="list-style-type: none"> <li>1. Cow/Calf</li> <li>2. Stocker/Backgrounder</li> <li>3. Feedyard</li> </ol> </li> <li>• American Meat Science Association (AMSA) Food Safety and Science Certification</li> <li>• American Meat Science Association (AMSA) Meat Evaluation Certification</li> <li>• Aquaculture Training and Online Learning (ATOLL) Aquaculture or Aquaponics</li> <li>• Biotechnician – Skills for Success</li> </ul>	<ul style="list-style-type: none"> <li>• Ag Field Service Representative</li> <li>• Agricultural Equipment Operators</li> <li>• Agricultural Sales</li> <li>• Artificial Insemination Technician</li> <li>• Farm Products Purchasing Agent</li> <li>• Farm Worker</li> <li>• Farmers, Ranchers, and Other Agricultural Managers</li> <li>• Farmworkers, Farm, Ranch, and Aquacultural Animals</li> <li>• Food Quality Assurance</li> <li>• Food Science Technician</li> </ul>
18004G1001	Agribiology – Science Credit Eligible		
18401G1000	Agricultural and Biosystems Engineering		
18402G1001	Agricultural Industrial Maintenance		
18306G1002	Aquaculture Science - Science Credit Eligible		
18306G1003	Aquatic Biology		
18998G1000	Career Pathway Project in AFNR		
18997G1000	CTE Lab in AFNR		
18104G1000	Equine Science		
19254G1000	Food Safety and Microbiology - Science Credit Eligible		
18003G1001	Fundamentals of Agriscience		
18501G1002	Introduction to Animal and Dairy Science		
18105G1012	Introduction to Veterinary Science		
18402G1000	Poultry Industrial Maintenance		
18101G1000	Poultry Science		
18105G1022	Veterinary Science		

		<ul style="list-style-type: none"> <li>• Elanco Fundamentals of Animal Science Certification</li> <li>• Elanco Veterinary Medical Applications Certification</li> <li>• FAA Part 107</li> <li>• Forklift – Skills for Success</li> <li>• MSSC – Certified Production Technician (CPT): Each module will count as a CRI. The CPT 4.0 program consists of five individual certificate assessments:               <ul style="list-style-type: none"> <li>• 1. Safety</li> <li>• 2. Quality Practices &amp; Measurement</li> <li>• 3. Manufacturing Processes &amp; Production</li> </ul> </li> <li>• 4. Maintenance Awareness</li> <li>• NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>• National Collegiate Livestock Coaches Association (NCLCA) Principles of Livestock Selection and Evaluation</li> <li>• National Horse Judging Team Coaches Association (NHJTCA) Equine Management and Evaluation</li> <li>• Skid Steer – Skills for Success</li> <li>• Veterinarian Assistant – Skills for Success</li> </ul>	<ul style="list-style-type: none"> <li>• Laborers and Freight, Stock, and Material Movers, Hand</li> <li>• Livestock Manager</li> <li>• Non-Farm Animal Worker</li> <li>• Poultry Operator</li> <li>• USDA Inspector</li> <li>• Veterinarian</li> <li>• Veterinary Technician</li> <li>• Zoologist and Wildlife Biologist</li> </ul>
--	--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### **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.

### **Agrobiology – Science credit eligible**

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/1credit  
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 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.

**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.

**Applied Agriscience**

SDE# 18003G1003

1 term/1credit  
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.

**Aquaculture Science – Science credit eligible**

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.

**Aquatic Biology**

SDE# 18306G1003

1 term/1credit  
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.

**Food Safety and Microbiology - Science credit eligible**

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.

**Fundamentals of Agriscience**

SDE# 18003G1001

1 term/1credit  
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.

### **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.

### **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.

### **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.

### **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.

### **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.

### **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.

### **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 anesthetics, basic surgery procedures, health management, business management, and technology.

### **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.



## **ARTS, A/V TECHNOLOGY, AND COMMUNICATION CLUSTER**

<b>Career Pathway Program</b>	<b>Entertainment and Media Program</b> (Must teach three courses from this program list within two years) <b>( DPHS, FOHS, SPFH )</b>  The Entertainment and Media program challenges students to develop technical skills in media, film, audio and broadcasting production, technical theatre, and drone operations.		
	<b>Course Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>
	11153G1010	<b>Media Production Foundations – Required Foundation Course</b>	<ul style="list-style-type: none"> <li>• Adobe Certified Professional – After Effects</li> <li>• Adobe Certified Professional – Dreamweaver</li> <li>• Adobe Certified Professional – Illustrator</li> <li>• Adobe Certified Professional – InDesign</li> <li>• Adobe Certified Professional – Photoshop</li> <li>• Adobe Certified Professional – Premiere Pro</li> <li>• Apple Aperture – Certified Pro-Level One</li> <li>• Apple Certified Pro – Final Cut Pro, Level One</li> <li>• Apple Motion – Certified Pro-Level One</li> <li>• Certified Broadcast Technologist</li> <li>• Certified Professional Photographer</li> <li>• FAA Part 107</li> </ul>
	11051G1010	Audio Production I	
	11051G1011	Audio Production II	
	11051G1012	Broadcasting Production I	
	11051G1013	Broadcasting Production II	
	11056G1001	Drone Flight Operations	
	11056G1002	Drone Licensure and Fundamentals	
	11051G1020	Film Production I	
	11051G1021	Film Production II	
	05056G1050	Technical Theatre I	
	05056G1051	Technical Theatre II	
	11994G1005	Career Pathway Project in Arts, A-V Technology, and Communications	
	11994G1001	CTE Lab in Arts, A-V Technology, and Communications	
			<ul style="list-style-type: none"> <li>• Audio/Video Equipment Technician</li> <li>• Broadcast Technician Specialist</li> <li>• Editing/Postproduction Specialist</li> <li>• News Broadcaster</li> <li>• News Writer/Editor</li> <li>• Production Assistant</li> <li>• Reporters/Correspondents</li> <li>• Set Design &amp; Lighting</li> <li>• Sound Engineering Technician</li> <li>• Television/Video/Motion Picture Camera Operator</li> <li>• Videographer</li> </ul>

### **Media Production Foundations – Required Foundation Course**

SDE# 11153G1010

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

Media Production Foundations provides an overview of media production across multiple disciplines, including drone photography, audio production, broadcasting, film production, and technical theatre. The ethical use of artificial intelligence is woven throughout the course of study. This course is the prerequisite for audio, broadcasting, film production, and technical theatre courses.

### **Audio Production I**

SDE# 11051G1010

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

Audio Production I provides an overview of audio production skills with an emphasis on studio recording. Content includes pre-production, production, and post-production procedures; equipment literacy; and industry concepts.

**Audio Production II**

SDE# 11051G1011

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

Audio Production II extends the content of Audio Production I to expand students' production skills with emphasis on live recording and real-time audio production. The course covers pre-production and production phases of the recording process in various live audio situations; career preparation; and industry concepts. The course is designed to prepare students for post-secondary study in audio production.

**Broadcasting Production I**

SDE# 11051G1012

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

Broadcasting Production I presents the basic elements of radio, television, and web-based broadcasting for the dissemination of information or for entertainment through standard journalistic practices. This course expands upon basic concepts in Media Production Foundations with emphasis on scriptwriting, storyboarding, camera and microphone techniques, video and audio editing, and on-camera presentation. Content also includes the history of broadcasting, various broadcast mediums, and the roles and responsibilities of professionals in the industry. The course provides hands-on experience creating and producing broadcast projects in multiple formats and incorporates creativity and important communication and critical thinking skills.

**Broadcasting Production II**

SDE# 11051G1013

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

Broadcasting Production II builds on concepts presented in Broadcasting Production I by providing expanded broadcasting skills and opportunities. Topics include audience research, developing a creative vision for programming, advanced video production techniques, and broadcast journalism. Students will also have the opportunity to work on larger-scale projects and explore their own creative interests within the broadcasting field.

**Drone Flight Operations**

SDE# 11056G1001

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

Drone Flight Operations extends the content of Drone Licensure and Fundamentals, providing students with the hands-on skills needed for aerial cinematography and commercial applications, including advanced piloting skills and creative camera techniques. The drone program is designed to prepare students for entry level positions in the UAS (Unmanned Aircraft Systems) industry by providing foundational knowledge and skills in mission planning, applications, maintenance, laws and regulations, data analytics, and project management using UAS platforms. This course expands instruction with kinetic learning to give students knowledge and experience applying skills needed for commercial applications.

**Drone Licensure and Fundamentals**

SDE# 11056G1002

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

Drone Licensure and Fundamentals is designed to provide the introductory knowledge and skills students need to operate drones (small unmanned aircraft systems–sUAS) safely and responsibly. The course introduces licensing regulations, safety procedures, federal regulations, identification of effects of weather on navigation, communications in aviation, and critical decision-making processes. Additionally, students will explore the roles and responsibilities of professionals in the industry.

**Film Production I**

SDE# 11051G1020

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

Film Production I provides an overview of basic film production skills. Course content includes pre-production, production, post-production, and distribution of film products, as well as historical background of the motion picture industry, legal and ethical considerations, and responsibilities of film production crew members.

**Film Production II**

SDE# 11051G1020

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

Film Production II builds on the concepts presented in Film Production I to extend students' production skills. Course content includes film genres, camera technique, color theory, casting, sets, costuming, props, music, visual effects, production design, finances, and marketing and distribution. Students will have the opportunity to create a professional portfolio as well as become more familiar with professions in the film industry. The course is designed to prepare students for post-secondary study in the field.

**Technical Theatre I**

SDE# 05056G1050

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

Technical Theatre I provides an opportunity for students to explore the technical areas of theatre which establish the place, time, and mood of the production and add to the audience's understanding and enjoyment. Topics covered are history and culture, censorship and copyright, safety and rigging, theatre spaces, production staff roles, collaboration, and techniques (audio, lighting, digital set pieces). The ethical use of artificial intelligence is woven throughout the course of study.

**Technical Theatre II**

SDE# 05056G1051

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

Technical Theatre II extends the content of technical Theatre I by providing students with opportunities to create and apply the technical aspects of theatre which establish the place, time, and mood of the production. Topics covered are stage management, set construction, rigging, audio, lighting, digital set pieces, set striking, properties, costuming, and sound.

**Career Pathway Project in Arts, A-V Technology, and Communications**

SDE# 11994G1005

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

Career Pathway Project (CPP) in Arts, A-V Technology, and Communications 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 Arts, A-V Technology, and Communications is designed to enhance the student's general understanding and mastery of the Arts, A-V Technology, and Communications 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.

### **BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER**

<b>Career Pathway Program</b>	<b>Business Information Technology Program</b> (Must teach three courses from this program list within two years.) <b>( Offered at DPHS and RBDH )</b>		
	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.		
<b>Course Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>	<b>In Demand Occupations</b>
10019E1000	AP Computer Science Principles*	<ul style="list-style-type: none"> <li>• Adobe Certified Associate (ACA) – Dreamweaver</li> <li>• Adobe Certified Associate (ACA) – Illustrator</li> <li>• Adobe Certified Associate (ACA) – InDesign</li> <li>• Adobe Certified Associate (ACA) – Photoshop</li> <li>• Adobe Certified Associate (ACA) – Premier Pro</li> <li>• ASK Institute – Concepts of Entrepreneurship and Management</li> <li>• ASK Institute – Concepts of Business Management</li> <li>• ASK Institute – Concepts of Entrepreneurship</li> <li>• Certified Internet Web (CIW) - JavaScript Specialist</li> <li>• Certipoint – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>• Certipoint Information Technology Specialist (ITS) HTML5 Application Development</li> <li>• Certipoint Information Technology Specialist (ITS) Databases</li> </ul>	<ul style="list-style-type: none"> <li>• Chief Executive Officer</li> <li>• Entrepreneur</li> <li>• General Manager</li> <li>• Human Resources Manager</li> <li>• Training and Development Specialist</li> <li>• Labor and Personnel Relations Specialist</li> <li>• Executive Assistant</li> <li>• Office Manager</li> <li>• Receptionist</li> <li>• Business and Development Manager</li> <li>• Operations Analyst</li> <li>• Management Analyst</li> <li>• Legal Secretary</li> </ul>
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		
11153G1001	Digital Media Design		
11153G1002	Digital Publications Design		
10012G1001	Exploring Computer Science*		
10051G1001	Information Management		

10012G1002	Introduction to Computer Science – TEALS*	<ul style="list-style-type: none"> <li>• Certiport Information Technology Specialist (ITS) Software Development</li> <li>• Certiport Information Technology Specialist (ITS) HTML &amp; CSS</li> <li>• Certiport Information Technology Specialist (ITS) JavaScript</li> <li>• Certiport Information Technology Specialist (ITS) Java</li> <li>• Certiport Information Technology Specialist (ITS) Python</li> <li>• Fiber Optics – Skills for Success</li> <li>• IC3 Global Standard 6 (or higher) Three Exams Required</li> <li>• Microsoft Office – Access Expert 2019/O365</li> <li>• Microsoft Office – Excel Expert 2019/O365</li> <li>• Microsoft Office – Word Expert 2019/O365</li> <li>• Microsoft Office Specialist – Associate 2019/O365 (MOS) (Two of the following areas REQUIRED) <ul style="list-style-type: none"> <li>o Excel Associate</li> <li>o Outlook Associate</li> <li>o PowerPoint Associate</li> <li>o Word Associate</li> </ul> </li> <li>• Oracle Certified Associate (OCA) – Java Programmer</li> </ul>	
10206G1001	Mobile Application Development*		
05254G1004	Web Development		
*Instructor must complete high quality professional development/training or certification to teach this course.			

Career Pathway Program	<b>Management Program</b> (Must teach three courses from this program list within two years ) <b>( Offered at DPHS )</b>		
	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"> <li>• Adobe Certified Associate (ACA) – Dreamweaver</li> <li>• Adobe Certified Associate (ACA) – Illustrator</li> <li>• Adobe Certified Associate (ACA) – InDesign</li> <li>• Adobe Certified Associate (ACA) – Photoshop</li> <li>• Adobe Certified Associate (ACA) – Premier Pro</li> <li>• ASK Institute – Concepts of Entrepreneurship and Management</li> </ul>	<ul style="list-style-type: none"> <li>• Chief Executive Officer</li> <li>• Entrepreneur</li> <li>• General Manager</li> <li>• Human Resources Manager</li> <li>• Training and Development Specialist</li> <li>• Labor and Personnel Relations Specialist</li> <li>• Executive Assistant</li> <li>• Office Manager</li> <li>• Receptionist</li> </ul>
10005G1001	Business Software Applications I		
12047G1003	Career Pathway Project – Business Management and Administration		
22153G1000	Career Preparedness		
22998G1014	Cooperative Education		
12047G1002	CTE Lab in Business Management & Administration		
12166G1002	Customer Service and Sales		

10052G1001	Data Analytics		<ul style="list-style-type: none"> <li>• ASK Institute – Fundamental Business Concepts</li> </ul>	<ul style="list-style-type: none"> <li>• Business and Development Manager</li> <li>• Operations Analyst</li> <li>• Management Analyst</li> <li>• Legal Secretary</li> </ul>
16202G1001	Economics and Financial Services		<ul style="list-style-type: none"> <li>• ASK Institute – Concepts of Business Management</li> </ul>	
12053G1000	Entrepreneurship		<ul style="list-style-type: none"> <li>• Certified Guest Service Professional</li> </ul>	
16202G1001	Event Planning and Management		<ul style="list-style-type: none"> <li>• Certiport- Entrepreneurship and Small Business (must hold concentrator status)</li> </ul>	
12051G1000	Foundations of Business Leadership		<ul style="list-style-type: none"> <li>• Certiport Information Technology Specialist (ITS) Databases</li> </ul>	
12159G1001	Hospitality Management & Marketing		<ul style="list-style-type: none"> <li>• IC<sup>3</sup> Global Standard 6 (or higher) Three Exams Required</li> </ul>	
12058G1001	Human Resource Management		<ul style="list-style-type: none"> <li>• Microsoft Office – Access Expert 2019/0365</li> </ul>	
12056G1001	International Business Concepts		<ul style="list-style-type: none"> <li>• Microsoft Office – Excel Expert 2019/0365</li> </ul>	
12002G1003	Project Management		<ul style="list-style-type: none"> <li>• Microsoft Office – Word Expert 2019/0365</li> <li>• Microsoft Office Specialist - Associate 2019/0365 (MOS) (Two of the following areas REQUIRED) <ul style="list-style-type: none"> <li>○ Excel Associate</li> <li>○ Outlook Associate</li> <li>○ PowerPoint Associate</li> <li>○ Word Associate</li> </ul> </li> <li>• National Retail Federation – National</li> <li>• Professional Certification in Customer Service and Sales</li> </ul>	

### 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.

**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.

### **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.

### **Cooperative Education**

SDE# 22998G1014

1 term/1 credit  
Grades 9-12  
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 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.

### **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.

### **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.

## **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.

## **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 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 Resource Management**

SDE# 12058G1001

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

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.

### **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.

### **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.

### **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.

### **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. Project management is one of the most critical components of a successful business. It affects revenues and liabilities, and it ultimately affects customer or client satisfaction and retention. Project management is the application of knowledge, skills, tools, and techniques for project activities, to meet the project requirements.

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.

### **EDUCATION AND TRAINING CLUSTER**

<b>Career Pathway Program</b>	<b>Educators in Training Program</b> (Must teach three courses from this program list within two years) <b>( Offered at FLYH )</b>  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.		
	<b>Code Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>
	19151G1001	<b>Foundation in Education – Required Foundation Course</b>	<ul style="list-style-type: none"> <li>• Customer Service – Skills for Success</li> <li>• ETS ParaPro Assessment (Must meet or exceed established cut score of 457)</li> <li>• ETS Praxis Core Academic Skills (Must pass Reading, Writing, and Mathematics)</li> <li>• Google Educator Certification, Levels 1 and 2 required</li> <li>• Praxis II: Principles of Learning and Teaching: Grades K-6</li> <li>• Praxis II: Principles of Learning and Teaching: Grades 5-9</li> <li>• Praxis II: Principles of Learning and Teaching: Grades 7-12</li> </ul>
	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"> <li>• Coaches and Scouts</li> <li>• Education Administrators, Post Secondary</li> <li>• Education Administrators, Kindergarten through Secondary</li> <li>• Educational, Guidance, &amp; Career Counselors &amp; Advisors</li> <li>• Elementary School Teachers</li> <li>• Instructional Coordinators</li> <li>• Librarians and Media Collection Specialists</li> <li>• Middle School Teacher</li> <li>• Postsecondary Teachers</li> <li>• School Social Workers</li> <li>• Secondary School Teachers</li> </ul>

**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.

<b>Career Pathway Program</b>	<b>Air Force JROTC</b> (Must teach three courses from this program list within two years) <b>( Offered at BCHS, FLYH, DPHS &amp; SPFH )</b>  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.		
	<b>Course Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>
	22001G0500	ACT/SAT Prep (½ credit)	<ul style="list-style-type: none"> <li>• Air Force JROTC Certificate</li> <li>• Bulldozer – Skills for Success</li> <li>• CDL A – Skills for Success</li> <li>• CDL B – Skills for Success</li> <li>• Excavator – Skills for Success</li> <li>• FAA Part 107</li> <li>• Fiber Optics – Skills for Success</li> <li>• Forklift – Skills for Success</li> <li>• JROTC NOCTI- Leadership and Employability Skills</li> <li>• Roller – Skills for Success</li> <li>• Skid Steer – Skills for Success</li> </ul>
	09990G0504	Air Force JROTC – Space Exploration	
	09002G0501	Aviation History (½ credit)	
	09002G0509	Cadet Guide/Handbook (½ credit)	
	09990G0503	Citizenship and the Constitution (½ credit)	
	09002G0506	Congressional Medal of Honor Foundation (MHF) (½ credit)	
	09997G1002	CTE Lab in Government & Public Administration	
	09990G1005	Drill and Ceremonies Leadership (½ credit)	
	09990G0501	Geography-Maps and Regions (½ credit)	
	09002G0503	Global and Cultural Studies (½ credit)	
	09002G1000	Honors Ground School	
	09004G0500	JROTC Leadership Application (½ credit)	
	09151G1000	Leadership and Aviation History	
	09004G1001	Leadership and Cultural Studies	
	09153G1000	Leadership and Exploration of Space	
	09990G1003	Leadership and Foundations for Success	
	09154G1000	Leadership and Management of the Cadet Corps and Financial Education	
	09152G1000	Leadership and Science of Flight	
	09004G1002	Leadership and Survival	
	09151G0500	Leadership I (½ credit)	
	09152G0500	Leadership II (½ credit)	
	09153G0500	Leadership III (½ credit)	
	09154G0500	Leadership IV (½ credit)	
	09002G0505	National Endowment for Financial Literacy (NEFE) (½ credit)	
	09002G0507	Pennsylvania Veterans Museum (½ credit)	
	09002G0502	Science of Flight (½ credit)	
	09997G0500	Senior Career Pathway Project (½ credit)	
	09997G1001	Senior Career Pathway Project- Government and Public Administration	
			Careers including but not limited to: <ul style="list-style-type: none"> <li>• Air Crew Members</li> <li>• Air Crew Officers</li> <li>• Aircraft Launch and Recovery Officers</li> <li>• Aircraft Launch and Recovery Specialists</li> <li>• Aviation Inspectors</li> <li>• Bus Drivers, Transit and City</li> <li>• Construction and Building Inspectors</li> <li>• Compliance Officers, Government</li> <li>• Construction Operations</li> <li>• Court and Municipal Licensing Clerks</li> <li>• Eligibility Interviewers, Government Programs</li> <li>• Emergency Management Director</li> <li>• Fiber Optics Technicians</li> <li>• Freight and Cargo Inspectors</li> <li>• Heavy and Tractor-Trailer Truck Drivers</li> <li>• Highway Maintenance Workers</li> <li>• Industrial Truck and Tractor Operations</li> <li>• Landscaping Workers</li> <li>• Operating Engineers and Other Construction Equipment Operators</li> <li>• Paving, Surfacing, and Tamping Equipment Operators</li> <li>• Postmasters and Mail Superintendents</li> <li>• Property Appraisers and Tax Assessors</li> <li>• Telecommunication Line Installers and Repair</li> <li>• Transportation Inspectors</li> <li>• Transportation Security Screeners</li> <li>• Transportation Vehicle, Equipment and Systems Inspectors</li> </ul>

09990G0502	Success for Life (½ credit)	<ul style="list-style-type: none"> <li>Warehouse and Production Equipment Operators</li> </ul>
09002G0504	Unlocking Your Potential (UAP) (½ credit)	
09002G0508	Veterans National Education Program (½ credit)	

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
22001G0500	ACT/SAT Prep (½ credit)	<ul style="list-style-type: none"><li>• Bulldozer – Skills for Success</li><li>• CDL A – Skills for Success</li><li>• CDL B – Skills for Success</li><li>• Excavator – Skills for Success</li><li>• FAA Part 107</li><li>• Fiber Optics – Skills for Success</li><li>• Forklift – Skills for Success</li><li>• JROTC NOCTI- Leadership and Employability Skills</li><li>• Navy JROTC Certificate</li><li>• Roller – Skills for Success</li><li>• Skid Steer – Skills for Success</li></ul>	Careers including but not limited to: <ul style="list-style-type: none"><li>• Bus Drivers, Transit and City</li><li>• Command and Control Center Specialists</li><li>• Compliance Officers, Government</li><li>• Construction and Building Inspectors</li><li>• Construction Operations</li><li>• Court and Municipal Licensing Clerks</li><li>• Eligibility Interviewers, Government Programs</li><li>• Fiber Optics Technicians</li><li>• First Line Supervisors of Weapons Specialists/Crew Members</li><li>• Freight and Cargo Inspectors</li><li>• Heavy and Tractor-Trailer Truck Drivers</li><li>• Highway Maintenance Workers</li><li>• Industrial Truck and Tractor Operators</li><li>• Landscaping Workers</li><li>• Logisticians</li><li>• Operating Engineers and Other Construction Equipment Operators</li><li>• Paving, Surfacing, and Tamping Equipment Operators</li><li>• Postmasters and Mail Superintendents</li><li>• Property Appraisers and Tax Assessors</li><li>• Telecommunication Line Installers and Repair</li><li>• Transportation Inspectors</li><li>• Transportation Security Screeners</li><li>• Warehouse and Production Equipment Operators</li></ul>
09990G0503	Citizenship and the Constitution (½ credit)		
09997G1002	CTE Lab in Government & Public Administration		
09990G1005	Drill and Ceremonies Leadership (½ credit)		
09990G0501	Geography-Maps and Regions (½ credit)		
09004G0500	JROTC Leadership Application (½ credit)		
09990G1003	Leadership and Foundations for Success		
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		
09101G1001	Naval Science I (NSI): Introduction to the US Navy		
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		
09997G1001	Senior Career Pathway Project-Government and Public Administration		
09990G0502	Success for Life (½ credit)		



**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.

**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.

**Citizenship and the Constitution (one-half credit)**

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.

**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.

**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.

**Geography-Maps and Regions, JROTC (one-half credit)**

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.

**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.

**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.

**Leadership Application (one-half credit)**  
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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**Success for Life - JROTC (one-half credit)**

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.

**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.

**Naval Science I: Intro to US Navy**

SDE# 09101G1001

This Course is marked In PowerSchool for entering Fitness Scores

1 term/1 credit

Grades 9-11

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.

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

SDE# 09102G1001

This Course is marked In PowerSchool for entering Fitness Scores

1 term/1 credit

Grades 10-12

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.

**Naval Science III: Naval Knowledge & Skills**

SDE# 09103G1001

This Course is marked In PowerSchool for entering Fitness Scores

1 term/1credit

Grades 10-12

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.

**Naval Science IV: Advanced Leadership**

SDE# 09104G1001

This Course is marked In PowerSchool for entering Fitness Scores

1 term/1 credit

Grade 12

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.

### **HEALTH SCIENCE CLUSTER**

Career Pathway Program	Health Science Program (Must teach three courses from this program list within two years) ( Offered at BCHS, FLYH & 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)
14002G1001	Foundations of Health Science – Required Foundation Course/Health Education Substitution	<ul style="list-style-type: none"><li>Alabama Certified Employee (ACE)</li><li>Ambulance Operator– Skills for Success</li><li>BACE – Biotechnology Aptitude and Competency Exam</li><li>BLS Instructor</li><li>Certified Billing and Coding Specialist (CBCS)</li><li>Certified Clinical Medical Assistant (CCMA)</li><li>Certified EKG Technician (CET)</li><li>Certified Electronic Health Records Specialist (CEHRS)</li><li>Certified Medical Administrative Assistant (CMAA)</li><li>Certified Nursing Assistant (CNA)</li><li>Certified Pharmacy Technician (CPhT)</li><li>Certified Patient Care Technician/Assistant (CPCTA)</li><li>Community Health Worker – Skills for Success</li><li>Elanco Veterinary Medical Applications Certification</li></ul>	<ul style="list-style-type: none"><li>Cardiovascular Technologists &amp; Technicians</li><li>Clinical Laboratory Technologists &amp; Technicians</li><li>Dental Assistants</li><li>Dental Hygienists</li><li>Diagnostic Medical Sonographers</li><li>Emergency Medical Technicians &amp; Paramedics</li><li>Licensed Practical Nurses Medical Assistants</li><li>Medical Equipment Preparers</li><li>Medical &amp; Health Services Manager</li><li>Medical Record Specialists</li><li>Medical Secretaries &amp; Administrative Assistants</li><li>Nurse Practitioners</li><li>Occupational Therapy Assistants</li><li>Ophthalmic Medical Technicians</li><li>Pharmacists</li><li>Pharmacy Technicians</li></ul>
14252G1010	Biotechnology I – Science credit eligible		
14252G1011	Biotechnology II – Science credit eligible		
14997G1010	Career Pathway Project in Health Science		
14999G1000	CTE Lab in Health Science		
14149G1000	Diagnostic Services		
14055G1010	Emergency Medical Services		
14055G1000	Emergency Services and Management		
15055G1000	Forensic Science and Crime Scene Investigation – Science credit eligible		
14298G1000	Health Science Internship - 1 credit option		
14298G2000	Health Science Internship - 2 credit option		
14299G1001	Human Body Structures and Functions – Science credit eligible		
18105G1012	Introduction to Veterinary Science		
14254G1010	Medical Mathematics – Math credit eligible		

14154G1000	Medical Terminology	<ul style="list-style-type: none"> <li>• Emergency Medical Dispatcher (EMD)</li> <li>• Lifeguard Certification (American Lifeguard Association or American Red Cross)</li> <li>• Mental Health Worker – Skills for Success</li> <li>• National Academy of Sports Medicine Certified Personal Trainer (NASMCPT)</li> <li>• National Emergency Medical Responder (EMR)</li> <li>• National Emergency Medical Technician (EMT)</li> <li>• Nursing Support Technician-Certified</li> <li>• Public Safety Telecommunicator</li> <li>• Veterinarian Assistant – Skills for Success</li> </ul>	<ul style="list-style-type: none"> <li>• Phlebotomists</li> <li>• Physical Therapists</li> <li>• Physical Therapy Assistants</li> <li>• Psychiatric Aides</li> <li>• Psychiatric Technicians</li> <li>• Radiologic Technologists</li> <li>• Registered Nurses</li> <li>• Respiratory Therapists</li> <li>• Speech-Language Pathologists</li> <li>• Surgical Technologists</li> <li>• Veterinarians</li> <li>• Veterinary Assistants &amp; Laboratory Animal Caretakers</li> <li>• Veterinary Technologists &amp; Technicians</li> </ul>
14051G2000	Nurse Aide Training		
14254G1015	Operating Room Essentials		
14051G1000	Patient Care Technician		
14152G1001	Pharmacy Technician		
17049G1000	Safety and Health Regulations		
14062G1010	Sports Medicine I		
14062G1011	Sports Medicine II		
14099G1000	Therapeutic Services		
18105G1022	Veterinary 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 – Required Foundation Course**

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.

### **Biotechnology I - Science credit eligible**

SDE# 14252G1010

1 term/1 credit

Grades 10-12

Fee: \$20.00

Biotechnology I is designed to provide an overview of the scope, concepts, and procedures of the biotechnology field. This course introduces students to a variety of topics in the biotechnology setting. Course topics include career exploration, laboratory procedures and technical skills fundamental to biotechnical research biochemistry, genetics and cell biology concepts, and genetic innovations.

### **Biotechnology II - Science credit eligible**

SDE# 14252G1011

1 term/1 credit

Grades 10-12

Fee: \$20.00

Biotechnology II extends the content and skills presented in Biotechnology I through the application of concepts related to biomedical science research and development. An understanding of the industry and laboratory procedures that are fundamental to biomedical research is presented through course topics, including biomedical career opportunities in the biotechnology industry, technical skills and application, biochemistry concepts, biological systems, applied mathematics, research, and the scientific method.

### **Career Pathway Project in Health Science**

SDE# 14997G1010

1 term/1 Credit

Grades 9-12

Fee: \$20.00

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

**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.

**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.

**Emergency Medical Services**

SDE# 14055G1010

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

Emergency Medical Services introduces students to professions within the emergency medical field. Course content emphasizes patient and provider safety, human body structure and function, assessment of emergency patients, ethical behavior, and emergency care procedures. The course also focuses on interaction and communication between emergency medical personnel and other first responders.

**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 - Science credit eligible**

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 Science Internship – 1 Credit Option**  
SDE # 14298G1000

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 - 2 Credit Option**  
SDE # 14298G2000

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 - Science credit eligible**  
SDE# 14299G1001

1 term/1 credit  
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 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.

**Medical Mathematics – Math credit eligible**  
SDE# 14254G1010

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

Medical Mathematics utilizes mathematical concepts as they relate to healthcare and is designed to equip students with the mathematical skills to ensure accurate procedures, enhance patient safety, and improve healthcare efficiency. Topics include healthcare administration, disease distribution and spread, treatment schedules, measurement systems and conversions, charts and graphs, EKG, dosage calculations, statistical analysis, and applications

**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).

**Operating Room Essentials**  
SDE# 14254G1015

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

Operating Room Essentials introduces students to the exciting and dynamic world of the operating room and 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. Operating Room Essentials is recommended for students who want to prepare for postsecondary study in health-related fields that utilize sterile techniques and/or provide care for patients before, during, or after surgery.

**Patient Care Technician**  
SDE# 14051G1000

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

Patient Care Technician is designed to provide students with the opportunity to become effective, efficient, and multi-skilled healthcare providers. The course aims to provide a working knowledge of advanced patient care skills, vital signs, 12-lead EKGs, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing.

**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 I**  
SDE# 14062G1010

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

Sports Medicine I introduces students to the field of sports medicine and its important goals of managing risk and preventing and treating sports-related injuries. The course presents basic concepts and skills regarding legal and ethical considerations, anatomy and physiology, safety, nutrition, assessment, therapeutic exercise, and physical modalities.

**Sports Medicine II**  
SDE# 14062G1011

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

Sports Medicine II extends the content of Sports Medicine I with strong emphasis on musculoskeletal injuries and on psychological and sociological responses to injuries and illness. The course also emphasizes critical thinking, oral and written communication of anticipated outcomes, and patient care skills related to prevention, rehabilitation, and management. Course content incorporates basic pathophysiology, kinesiology, and principles of treatment. Analysis of a variety of health situations related to the sports medicine pathway is also included through project-based learning, laboratory activities, and simulation.

### **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.

### **Veterinary Science Alabama Certified Employee (ACE)**

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 anesthesia, basic surgery procedures, health management, business management, and technology

## **HOSPITALITY AND TOURISM CLUSTER**

<b>Career Pathway Program</b>	<b>Food and Beverage Services Program</b> (Must teach three courses from this program list within two years) <b>( Offered at DPHS )</b>		
	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.		
<b>Code Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>	<b>In Demand Occupations</b>
16001G1001	<b>Introduction to Hospitality and Tourism - Required Foundation Course</b>	<ul style="list-style-type: none"> <li>• Alabama Certified Employee (ACE)</li> <li>• Barista – Skills for Success</li> <li>• Certified Guest Service Professional</li> <li>• Customer Service – Skills for Success</li> <li>• Food and Beverage – Skills for Success</li> <li>• Meat Cutter – Skills for Success</li> <li>• 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)</li> </ul>	<ul style="list-style-type: none"> <li>• Bakers/Bakery Workers</li> <li>• Baristas</li> <li>• Caterer/Catering Management</li> <li>• Executive/Sous Chef</li> <li>• Cooks, Health Care Facilities and School Cafeterias</li> <li>• Cooks, Restaurant</li> <li>• Fast Food and Counter Workers</li> <li>• First-Line Supervisors of Food Preparation and Serving Workers</li> <li>• Food Service Managers</li> <li>• General Managers</li> </ul>
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	<ul style="list-style-type: none"> <li>• ServSafe Manager</li> </ul>	<ul style="list-style-type: none"> <li>• Meeting, Convention and Events Managers</li> <li>• Waiters and Waitresses</li> </ul>
19299G1015	Small Business in FCS		
16202G1001	Event Planning & Management		
19254G1000	Food Safety & Microbiology – Science Credit eligible		
12159G1001	Hospitality Management and Marketing		

Career Pathway Program	<b>Sports, Recreation and Attractions Program</b> (Must teach three courses from this program list within two years) <b>( Offered at FLYH )</b>  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	<b>Introduction to Hospitality and Tourism - Required Foundation Course</b>	<ul style="list-style-type: none"> <li>• Alabama Certified Employee (ACE)</li> <li>• Certified Front Desk Representative</li> <li>• Certified Guest Service Professional</li> <li>• 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)</li> <li>• Customer Service – Skills for Success</li> <li>• Food and Beverage – Skills for Success</li> <li>• Hotel Operations – Skills for Success</li> <li>• ServSafe Manager</li> </ul> <ul style="list-style-type: none"> <li>• Event Planner</li> <li>• Usher, Lobby Attendant, and Ticket Taker/Manager</li> <li>• Amusement and Recreation Attendant/Planner</li> <li>• Baggage Porter and Bellhop</li> <li>• Concierge</li> <li>• Tour Guide and Escort</li> <li>• Recreation Worker</li> <li>• Counter and Rental Clerk</li> <li>• Travel Agent</li> <li>• Reservation and Transportation Ticket Agent and Travel Clerk</li> <li>• Aircraft Cargo Handling Supervisor</li> </ul>
	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	
	19299G1015	Small Business in FCS	
	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 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.

**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.

**Food Safety and Microbiology – Science credit eligible**

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.

**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.

**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.

## **HUMAN SERVICES CLUSTER**

<b>Career Pathway Program</b>	<b>Family Studies and Community Services Program</b> (Must teach three courses from this program list within two years)		
	This program is designed to prepare students for careers that serve the most vulnerable members of society, including children, special populations, and families in crisis. Students in this program study human growth and development, the role of caregivers in human development, and the resources available to those in need.		
<b>Course Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>	<b>In Demand Occupations</b>
19251G1000	<b>Family and Consumer Sciences - Required Foundation Course</b>	<ul style="list-style-type: none"> <li>• Certified Guest Service Professional</li> <li>• Customer Service – Skills for Success</li> <li>• Food and Beverage – Skills for Success</li> <li>• ServSafe Food Handler</li> <li>• ServSafe Manager</li> </ul>	<ul style="list-style-type: none"> <li>• Elder Care Services</li> <li>• Marriage and Family Therapist</li> <li>• Mental Health and Substance Abuse Social Worker</li> <li>• Mental Health Counselor</li> <li>• Occupational Therapist</li> <li>• Psychiatrist</li> <li>• Residential Advisors</li> <li>• Social and Community Services Manager</li> <li>• Social and Human Services Assistant</li> <li>• Substance Abuse and Behavioral Disorder Counselor</li> </ul>
19997G1001	Career Pathway Project in Human Services		
19052G1010	Child Development		
19054G1001	Child Services		
19147G1002	CTE Lab Human Services		
19251G1010	Family and Community Services		
19262G1032	Family Financial Planning		
19259G1010	Family Wellness		
19261G1010	Human Lifespan Development		
19253G1002	Nutrition and Food		

<b>Career Pathway Program</b>	<b>Nutrition and Wellness Program</b> (Must teach three courses from this program list within two years) <b>( Offered at ELBH, RBDH, FHPH, SPFH )</b>		
	This program looks closely at food as an essential part of human health and the human experience. Courses in this program explore food preparation, food product development and marketing, and the flavors and cultural significance of foods from around the globe. The goal of this program is to prepare students for post-secondary education and careers in a wide variety of fields, from food technology to dietetics.		
<b>Course Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>	<b>In Demand Occupations</b>
19251G1000	<b>Family and Consumer Sciences - Required Foundation Course</b>	<ul style="list-style-type: none"> <li>• Customer Service – Skills for Success</li> <li>• Food and Beverage – Skills for Success</li> <li>• ServSafe Food Handler</li> <li>• ServSafe Manager</li> </ul>	<ul style="list-style-type: none"> <li>• Chef or Head Cook</li> <li>• Dietitian and Nutritionist</li> <li>• Editor/Food Blogger</li> <li>• Fitness Instructor</li> <li>• Food Chemist</li> <li>• Food Journalist/Stylist/Photographer</li> <li>• Food Microbiologist</li> <li>• Food Scientist and Technologist</li> <li>• Food Service Manager</li> <li>• Meeting, Convention, and Event Planner</li> <li>• Sports Nutritionist</li> <li>• Technical Writer</li> </ul>
19997G1001	Career Pathway Project in Human Services		
19147G1002	CTE Lab Human Services		
19251G1001	Cuisine and Media Production		
16056G1001	Cultural Foods		
16202G1001	Event Planning & Management		
19259G1010	Family Wellness		
19253G1010	Food and Wellness		
19254G1000	Food Safety and Microbiology		
19254G1010	Food Science		
19253G1002	Nutrition and Food		
19253G1001	Sports Nutrition		

Career Pathway Program	<b>Clothing, Textiles, and Interior Design Program</b> (Must teach three courses from this program list within two years) <b>( Offered at RBDH )</b>		
	This program encompasses the roles of textiles, apparel, architecture, and merchandising in daily life. Courses in this program cover topics such as fashion design, trend analysis, textile construction, retail marketing, home and landscape design, and real estate sales. This program is designed to prepare students for a variety of careers including merchandisers, marketers, real estate agents, and home stagers.		
Code Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations
19251G1000	<b>Family and Consumer Sciences – Required Foundation Course</b>	<ul style="list-style-type: none"> <li>• ASK Institute – Concepts of Business Management</li> <li>• ASK Institute – Concepts of Entrepreneurship</li> <li>• Customer Service – Skills for Success</li> <li>• National Retail Federation – National Professional Certification in Customer Service and Sales</li> </ul>	<ul style="list-style-type: none"> <li>• Architect</li> <li>• Custom Tailor and Seamstress</li> <li>• Ecommerce Entrepreneur</li> <li>• Fashion Designer</li> <li>• Fashion Editor/Fashion Blogger</li> <li>• FashionStylist/Journalist/Photographer</li> <li>• Interior Designer/Stager</li> <li>• Meeting, Convention, and Event Planner</li> <li>• Merchandise Displayer and Window Trimmer</li> <li>• Retail Salesperson</li> <li>• Supervisor, Sales, or Production Workers</li> </ul>
19263G1001	Architecture and Interior Design I		
19263G1002	Architecture and Interior Design II		
19997G1001	Career Pathway Project in Human Services		
19256G1020	Creative Design and Production		
19147G1002	CTE Lab Human Services		
16202G1001	Event Planning and Management		
19256G1001	Fashion Fundamentals		
19256G1015	Fashion Merchandising		
19299G1010	Home Renovations and Sales		
19299G1015	Small Business in FCS		
			<ul style="list-style-type: none"> <li>• Wholesale and Retail Buyer</li> </ul>

Career Pathway Program	<b>Consumer Services Program</b> (Must teach three courses from this program list within two years)		
	This program focuses on the role of economics and financial planning in all life stages. Students are introduced to fundamental financial concepts for individuals and families, including insurance, taxes, savings and retirement, and banking services. The program's goal is to prepare students to pursue higher education and certifications in fields that provide essential knowledge and services to protect the resources of families, business, and communities.		
Code Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations
19251G1000	Family and Consumer Sciences – Required Foundation Course	<ul style="list-style-type: none"> <li>• ASK Institute – Concepts of Business Management</li> <li>• ASK Institute – Concepts of Entrepreneurship</li> <li>• Customer Service – Skills for Success</li> <li>• National Retail Federation – National Professional Certification in Customer Service and Sales</li> </ul>	<ul style="list-style-type: none"> <li>• Appraiser and Assessor of Real Estate</li> <li>• Customer Service Representative</li> <li>• Ecommerce Entrepreneur</li> <li>• Family Financial Planner</li> <li>• Insurance Sales Agent</li> <li>• Property, Real Estate, and Community Association Manager</li> <li>• Retail Salesperson</li> <li>• Sales Manager</li> </ul>
19997G1001	Career Pathway Project in Human Services		
19262G1030	Consumer Affairs		
19262G1031	Consumer Economics		
19256G1020	Creative Design and Production		
19147G1002	CTE Lab in Human Services		
19262G1032	Family Financial Planning		
19299G1010	Home Renovation and Sales		
19299G1015	Small Business in FCS		

**Family and Consumer Sciences - Required Foundation Course**

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.

**Architecture and Interior Design I**

SDE# 19263G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

Architecture and Interior Design I introduces historical and contemporary trends in residential and commercial architecture and interior design. Course content provides opportunities for students to explore architectural design; elements and principles of design; floor planning; creation of functional, safe, and aesthetically pleasing spaces; technology; and careers in the field of architecture and interior design.

**Architecture and Interior Design II**

SDE# 19263G1002

1 term/1 credit

Grades 9-12

Fee: \$20.00

interior design industry. This course is designed to provide opportunities for students to explore design project development, business planning and operations, and interior design techniques by applying technology, drawing and digital skills, and elements and principles of design. Architecture and Interior Design II introduces students to business practices and procedures of the

**Career Pathway Project in Human Services**

SDE# 19997G1001

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.

**Child Development**

SDE# 19052G1010

1 term/1 credit

Grades 9-12

Fee: \$20.00

Child Development introduces students to the essential concepts and skills needed to work effectively with children and families. This course focuses on the growth and development of children from birth through adolescence in the four domains of development (physical, social, intellectual, and emotional) and invites students to explore the challenges and opportunities that arise when dealing with children throughout infancy and childhood. It also provides opportunities to examine the role of caregivers, educators, and others in supporting children's development. This course is designed to prepare students for further study and careers in family and community services. A fully-equipped, residential-style kitchen is recommended but not required.

**Child Services**

SDE# 19054G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

Child Services prepares students for careers as child services professionals. Topics covered in this course include child growth and development, community support services, family and community relationships, advocacy, professionalism and ethics, health and safety, and management. Standards in this course are designed to equip students with a deeper understanding of the role of child services professionals.



**Consumer Affairs**  
SDE# 19262G1030

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

Consumer Affairs focuses on the relationship between the consumer and economic activities. Topics include forecasting, trend analysis and product development, consumer awareness and product safety, product pricing, and consumer decisions. This course provides information to assist individuals and families in making informed purchasing decisions and presents the skills needed for careers in consumer sciences and consumer advocacy.

**Consumer Economics**  
SDE# 19262G1031

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

Consumer Economics is designed to help students develop the skills needed to make important financial decisions throughout their lifespan and understand the processes behind these decisions. The course also addresses the language used in financial services and institutions and provides knowledge for making informed choices regarding transportation, housing, and investments. Consumer Economics also addresses challenges including fraud and identity theft and their impact on individuals and families. Throughout this course, students will have multiple opportunities to examine related career paths in the real estate, marketing, and investment industries.

**Creative Designs and Production**  
SDE# 19256G1020

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

Creative Design and Production provides opportunities for students to learn and practice creative design skills in the fashion and design industries. These skills are taught through the use of a variety of equipment, which may include heat transfer and digital printers, cutters, embroidery machines, heat presses, quilting machines, or computer design software programs. Content may be conveyed through a school-based enterprise, computer and technology applications, projects related to business ownership, and real or simulated occupational experiences. Standards are designed to include the use of technology throughout the course, allowing students to create artwork to produce marketable finished products. Skills needed to organize and manage a business and employability skills needed to be effective in the workforce are included in the course content.

**CTE Lab in Human Services**  
SDE# 19147G1002

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.

**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 Community Services**

SDE# 19251G1010

1 term/1 credit

Grades 9-12

Fee: \$20.00

Family and Community Services provides students interested in human services careers with an opportunity to examine various career paths available to community services professionals. The course requires students to demonstrate the necessary skills of successful family and community service professionals, analyze the role of service providers in the lives of individuals and families, and investigate the qualities of impactful programs and providers.

### **Family Financial Planning**

SDE# 19262G1032

1 term/1 credit

Grades 10-12

Fee: \$20.00

Family Financial Planning introduces students to the fundamentals of personal and family finance, asset protection, and financial services through the life cycle. Topics include financial planning, consumer credit, emerging technologies, consumer debt, consumer insurance, global markets, and sustainability. This course is designed to help students develop the skills necessary to be informed consumers and prepare for their financial future, including the creation of a personal financial plan.

### **Fashion Fundamentals**

SDE# 19256G1001

1 term/1 credit

Grades 9-12

Fee: \$20.00

Fashion Fundamentals introduces students to the design and selection of apparel and textile products. It provides opportunities for students to explore fashion history, fashion design, apparel and construction methods, and sustainability and globalization in fashion. Fashion Fundamentals exposes students to career options in the fashion industry and addresses the safe use of relevant tools and machinery

### **Fashion Merchandising**

SDE# 19256G1015

1 term/1 credit

Grades 9-12

Fee: \$20.00

Fashion Merchandising extends the content of Fashion Fundamentals by focusing on the retail sector of the fashion industry. Topics include buying, marketing, and media. This course simulates real-world experiences through the creation of advertising campaigns and merchandising displays.

### **Family Wellness**

SDE# 19259G1010

1 term/1 credit

Grades 9-12

Fee: \$20.00

Family Wellness is designed for students interested in health issues affecting families and communities. It provides opportunities for students to explore health throughout the lifespan. Topics include community, consumer, environmental, family, personal, mental and emotional health; nutrition, injury prevention and safety, and disease prevention. A fully-equipped, residential-style kitchen is recommended but not required

### **Food Safety and Microbiology - Science Credit Eligible**

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.

### **Food Science**

SDE# 19254G1010

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

Food Science provides an in-depth study of the application of scientific principles through the investigation and research of food properties. This course will explore food science methods and equipment, food chemistry concepts, biological macromolecules, food science fundamentals, microbiology of foods, and food preservation and packaging. This course must be taught in a chemistry laboratory, a residential-style kitchen, or a commercial kitchen.

### **Home Renovations and Sales**

SDE# 19299G1010

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

Home Renovation and Sales takes students through the journey of purchasing, renovating, staging, marketing, and selling a home. The course provides an examination of the real estate sales process from the viewpoints of both buyer and seller. In addition, it challenges students to plan a home renovation and market an updated property to attract a buyer.

### **Human Lifespan Development**

SDE# 19261G1010

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

Human Lifespan Development focuses on making decisions, building relationships, and managing the demands of adult life. Topics of study cover finance, housing, nutrition, parenting, and communication through the stages of development. Standards in this course are designed to equip students with the skills necessary to cope with major life changes and to assist others as they face these changes.

### **Nutrition and Food**

SDE# 19253G1002

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

Nutrition and Food focuses on the impact of food choices, nutrition, meal management, cuisine, and following current nutritional guidelines on overall health across the life cycle. This course must be taught in a fully-equipped, residential-style kitchen.

### **Small Business In FCS**

SDE# 19299G1015

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

Small Business in FCS offers students an opportunity to create and operate a real or simulated small business or cottage industry, taking the business from concept to reality over the course of the class. The course requires students to create a business related to family and consumer sciences, applying consumer and financial concepts and demonstrating financial, marketing, production, and management skills throughout the process of conceiving, planning, establishing, conducting, and liquidating the business.

### **Sports Nutrition**

SDE# 19253G1001

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

Sports Nutrition is designed for students interested in health, fitness, and sports performance. This course examines the relationships among nutrition, physical performance, and overall wellness and emphasizes the metabolic process and management of food choices for optimal health and physical performance. Disease prevention and health through nutrition, physical activity, and wellness practices are essential components of the course. This course must be taught in a fully-equipped, residential-style kitchen.

## **LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY CLUSTER**

<b>Career Pathway Program</b>	<b>Law Enforcement Services Program</b> (Must teach three courses from this program list within two years) <b>( Offered at FLYH )</b>		
	This program is for students who are interested in pursuing careers in law enforcement and forensic science. The student will learn the role and responsibilities of a law enforcement officer; discuss relevant rules, regulations, and laws; and demonstrate defensive tactics, police patrol techniques, and CPR and First Aid procedures as used in emergency situations. Meeting and maintaining physical fitness standards for law enforcement is also emphasized in this course. The courses also focus on career opportunities, safety, history of forensic science, criminal investigation, forensic serology and DNA testing, forensic studies in anthropology, toxicology, fingerprinting, firearms, physics, and document examination.		
<b>Course Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator ( CRI )</b>	<b>In Demand Occupations</b>
15001G1000	<b>Introduction to Public Safety – Required Foundation Course</b>	<ul style="list-style-type: none"> <li>• Alabama Emergency Medical Dispatch</li> <li>• Ambulance Operator – Skills for Success</li> <li>• Community Health Worker – Skills for Success</li> <li>• Customer Service – Skills for Success</li> <li>• Emergency Medical Responder (EMR)</li> <li>• FAA Part 107</li> <li>• Mental Health Worker – Skills for Success</li> <li>• Public Safety Telecommunicator</li> </ul>	<ul style="list-style-type: none"> <li>• Detectives and Criminal Investigators</li> <li>• First-Line Supervisors of Police &amp; Detectives</li> <li>• Police &amp; Sheriff Patrol Officers</li> <li>• Probation Officers &amp; Correctional Treatment Specialist</li> <li>• Public Safety Telecommunicators</li> </ul>
15054G1000	Advanced Law Enforcement		
15997G1001	Career Pathway Project in Law, Public Safety, Corrections, and Security		
15997G1002	CTE Lab in Law, Public Safety, Corrections, and Security		
15055G1000	<b>Forensic Science and Crime Scene Investigations</b>		
15051G1000	Introduction to Criminal Justice		
15054G1001	Law Enforcement and Corrections		

### **Introduction to Public Safety - Required Foundation Course**

SDE# 15001G1000

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

Introduction to Public Safety is a foundational course that helps students develop the knowledge and skills necessary for success and advancement in specialized preparatory programs for public service jobs. The course emphasizes emergency preparedness, basic first aid, fire management services, legal services, and corrections and law enforcement services.

### **Advanced Law Enforcement**

SDE# 15054G1000

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

Advanced Law Enforcement, students prepare for enrollment in police academy and for the certification required for employment as a law enforcement officer. The student will learn the roles and responsibilities of law enforcement officers in a variety of settings; discuss relevant rules, regulations, and laws; demonstrate patrol, communication, and advanced police techniques; and demonstrate CPR and first aid procedures as used in emergency situations.

### **Career Pathway Project in Law, Public Safety, Corrections, and Security**

SDE# 15997G1001

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

Career Pathway Project (CPP) for Law, Public Safety, Corrections, and Security is a capstone course designed for students who have completed two or more career and technical education courses in a particular 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.

### **CTE Lab in Law, Public Safety, Corrections, and Security**

SDE# 15997G1002

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

CTE Lab in Law, Public Safety, Corrections, and Security enhances the student's general understanding and mastery of the cluster, which contains four pathways – Law Enforcement Services, Correctional Services, Legal Services, and Emergency and Fire Management Services. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or a virtual learning environment.

### **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.

### **Introduction to Criminal Justice**

SDE# 15051G1000

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

Introduction to Criminal Justice introduces students to a variety of topics in the criminal justice field, including ethics and professionalism, civil and criminal laws, the court system, trial processes, juvenile justice, and correctional systems.

### **Law Enforcement and Corrections**

SDE# 15054G1001

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

Law Enforcement and Corrections is designed to align with the curriculum that many law enforcement academies require and is intended for students who may be interested in pursuing a career in this field. Law Enforcement and Corrections provides an overview of the history, organization, and functions of local, state, and federal law enforcement agencies. Students will examine the role of constitutional law at local, state, and federal levels; the United States legal system; criminal law; law enforcement terminology and procedures; and the classification and elements of crime according to the Criminal Code of Alabama.

## **MARKETING CLUSTER**

<b>Career Pathway Program</b>	<b>Marketing Program</b> (Must teach three courses from this program list within two years.) <b>( Offered at BCHS, SPFH, FHPH, RBDH, ELBH, FLYH )</b>  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.		
	<b>Code Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>  <b>In Demand Occupations</b>
	12166G1001	Advertising and Sales	<ul style="list-style-type: none"> <li>• Adobe Certified Associate (ACA) – Photoshop</li> <li>• Adobe Certified Associate (ACA) – Dreamweaver</li> <li>• Adobe Certified Associate (ACA) – Premier Pro</li> <li>• Adobe Certified Associate (ACA) – InDesign</li> <li>• Adobe Certified Associate (ACA) – Illustrator</li> <li>• ASK Institute – Fundamentals of Business Concepts</li> <li>• ASK Institute – Concepts of Entrepreneurship</li> <li>• ASK Institute – Fundamental Business Concepts</li> <li>• ASK Institute- Fundamental Marketing Concepts</li> <li>• Certified Guest Service Professional</li> <li>• Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>• Certiport Information Technology Specialist (ITS) Databases</li> <li>• IC<sup>3</sup> Global Standard 6 (or higher) Three Exams Required</li> <li>• Meta Certified Digital Marketing Associate</li> <li>• Microsoft Office – Access Expert 2019/0365</li> <li>• Microsoft Office – Excel Expert 2019/0365</li> <li>• Microsoft Office – Word Expert 2019/0365</li> <li>• Microsoft Office Specialist 2019/365</li> <li>• (MOS) (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>○ Excel</li> <li>○ Outlook</li> <li>○ PowerPoint</li> <li>○ Word</li> </ul> </li> <li>• National Retail Federation – National Professional Certification in Customer Service and Sales</li> <li>• Student Social Media Marketing Certification</li> </ul>
	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	

Career Pathway Program	<b>Real Estate Sales Program</b> (Must teach three courses from this program list within two years.) <b>( Offered at FLYH )</b>  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"> <li>• Adobe Certified Associate (ACA) – Dreamweaver</li> <li>• Adobe Certified Associate (ACA) – Illustrator</li> <li>• Adobe Certified Associate (ACA) – InDesign</li> <li>• Adobe Certified Associate (ACA) – Photoshop</li> <li>• Adobe Certified Associate (ACA) – Premier Pro</li> <li>• ASK Institute – Concepts of Business Management</li> <li>• ASK Institute – Concepts of Entrepreneurship</li> <li>• ASK Institute – Fundamental Business Concepts</li> <li>• ASK Institute – Fundamental Marketing Concepts</li> <li>• Certified Guest Service Professional</li> <li>• Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>• Microsoft Office – Access Expert 2019/0365</li> <li>• Microsoft Office – Excel Expert 2019/0365</li> <li>• Microsoft Office – Word Expert 2019/0365</li> <li>• Microsoft Office Specialist - Associate 2019/0365 (MOS) (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>• Excel Associate</li> <li>• Outlook Associate</li> <li>• PowerPoint Associate</li> <li>• Word Associate</li> </ul> </li> <li>• National Retail Federation – National Professional Certification in Customer Service and Sales</li> <li>• Student Social Media Marketing Certification</li> </ul>
	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	
			<ul style="list-style-type: none"> <li>• Advertising and Promotions Manager</li> <li>• Entrepreneur</li> <li>• Franchisee</li> <li>• Market Research Analysts &amp; Marketing Specialists</li> <li>• Marketing Managers</li> <li>• Merchandise Displayers &amp; Window Trimmers</li> <li>• Property, Real Estate, &amp; Community Association Managers</li> <li>• Public Relations Specialists</li> <li>• Real Estate Sales Agents</li> <li>• Retail Salespersons</li> <li>• Sales Managers</li> <li>• Sales Representatives</li> <li>• Sales Representatives of Services</li> <li>• Sales Representatives, Wholesale &amp; Manufacturing</li> <li>• Social Media Manager</li> </ul>

**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.

### **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**

<b>Career Pathway Program</b>	<b>CTE Engineering Program</b> (Must teach three courses from this program list within two years) <b>( Offered at FHPH, FLYH &amp; SPFH )</b>		
	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.		
<b>Code Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness (CRI) Indicator</b>	<b>In Demand Occupations</b>
21002G1000	Applications of Engineering and Technology	<ul style="list-style-type: none"> <li>Autodesk – AutoCAD Certified User</li> <li>Autodesk –Fusion 360 Certified User</li> <li>Autodesk –Inventor Certified User</li> <li>Autodesk –Revit Certified User</li> <li>Certiport Information Technology Specialist (ITS) – Databases</li> <li>Certiport Information Technology Specialist (ITS) –HTML &amp; CSS</li> <li>Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>Certiport Information Technology Specialist (ITS) –Java</li> <li>Certiport Information Technology Specialist (ITS) –JavaScript</li> <li>Certiport Information Technology Specialist (ITS) – Python</li> <li>Certiport Information Technology Specialist (ITS) – Software Development</li> <li>FAA Part 107</li> <li>FANUC CERT –Handling Tool Operations and Programming</li> <li>Microsoft Office –Access Expert 2019/0365</li> <li>Microsoft Office –Excel Expert 2019/0365</li> <li>Oracle Certified Associate (OCA) – Java Programmer</li> <li>Solid Edge Certified Associate</li> <li>SolidWorks Associate</li> </ul>	<ul style="list-style-type: none"> <li>Aerospace Engineer/Tech</li> <li>Aesthetics Specialist</li> <li>Architectural Engineer/Tech</li> <li>Civil Engineer/Tech</li> <li>Control Systems Engineer/Tech</li> <li>Electrical Engineer/Tech</li> <li>Engineer/Technician all Discipline</li> <li>Environmental Scientist/Specialist</li> <li>Ergonomics Specialist Industrial Engineer/Tech</li> <li>Manufacturing Engineer/Tech</li> <li>Materials Engineer/Tech</li> <li>Mechanical Engineer/Tech/Mgr.</li> <li>Petroleum Engineer/Tech</li> <li>Robotics Engineer/Tech</li> </ul>
21015G1000	Basic Programming for Engineers		
21047G1000	Capstone of Engineering and Technology		
21047G1001	Career Pathway Project in STEM		
21015G1001	Computer Engineering and Technology		
21997G1000	CTE Lab in STEM		
21014G1000	Environmental Engineering		
21005G1000	Foundations of Engineering and Technology		
21009G1000	Robotics Systems		

**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.

### **Basic Programming for Engineer**

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.

### **Capstone of Engineering & Technology**

SDE# 21047G1000

1 term/1credit  
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.

### **Career Pathway Project in STEM**

SDE# 21047G1001

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

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.

### **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.

### **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.

### **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.

### **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.

### **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.

## **WORK-BASED LEARNING - (COOP)**

**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 Courses  
Offered at  
**BALDWIN PREPARATORY ACADEMY**

**ARCHITECTURE AND CONSTRUCTION CLUSTER**

Career Pathway Program	<b>Construction Technology Program</b> (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"> <li>Alabama Certified Employee (ACE)</li> <li>Asphalt Roller – Skills for Success</li> <li>Bulldozer – Skills for Success</li> <li>Construction and Skilled Trade Assessment (CAST)</li> <li>Electrical Helper – Skills for Success</li> <li>Excavator – Skills for Success</li> <li>Flooring Installer – Skills for Success</li> <li>Home Builders Association of Alabama Residential Construction Skills Certification</li> <li>NCCER Cabinetmaking Level 1</li> <li>NCCER Carpentry Level 1</li> <li>NCCER Construction Technology Level 1</li> <li>NCCER Core (module 6 is an elective and not required for CRI)</li> <li>OSHA 30</li> <li>Plumbing Helper – Skills for Success</li> <li>Ready for Industry - Construction</li> <li>Skid Steer – Skills for Success</li> </ul>	<ul style="list-style-type: none"> <li>Carpenters</li> <li>Construction Laborers</li> <li>Construction Managers</li> <li>Cost Estimators</li> <li>Crane &amp; Tower Operators</li> <li>Fence Erectors</li> <li>First-Line Supervisors of Construction Trades &amp; Extraction Workers</li> <li>Glaziers</li> <li>Helper – Installation, Maintenance, &amp; Repair Workers</li> <li>Operating Engineers &amp; Other Construction Equipment Operators</li> <li>Painters, Construction &amp; Maintenance</li> <li>Roofers</li> <li>Sheet Metal Workers</li> </ul>
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 &		
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	<b>Electrical Program</b> (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"> <li>Alabama Certified Employee (ACE)</li> <li>Asphalt Roller – Skills for Success</li> <li>Bulldozer – Skills for Success</li> <li>Carpentry Helper – Skills for Success</li> <li>Construction and Skilled Trade Assessment (CAST)</li> <li>Electrical Helper – Skills for Success</li> <li>Excavator – Skills for Success</li> <li>NCCER Core (Module 6 is an elective and not require for CRI)</li> <li>NCCER Electrical Level 1</li> <li>OSHA 30</li> <li>Ready for Industry - Construction</li> <li>Skid Steer – Skills for Success</li> </ul>	<ul style="list-style-type: none"> <li>Construction Laborers</li> <li>Cost Estimators</li> <li>Electrical Power-Line Installers and Repairers</li> <li>Electricians</li> <li>Helpers, Electricians</li> <li>Helpers, Installation, Maintenance, &amp; Repair Workers</li> </ul>
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	<b>Heating, Ventilation, and Air Conditioning Program</b> (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"> <li>Air Conditioning Heating and Refrigeration Institute (AHRI) ICE Residential Care</li> <li>Alabama Certified Employee (ACE)</li> <li>Asphalt Roller – Skills for Success</li> <li>Bulldozer – Skills for Success</li> <li>Carpentry Helper – Skills for Success</li> <li>Construction and Skilled Trade Assessment (CAST)</li> <li>Electrical Helper – Skills for Success</li> <li>EPA Card</li> <li>Excavator – Skills for Success</li> <li>NCCER HVAC Level 1</li> </ul>	<ul style="list-style-type: none"> <li>Construction Laborers</li> <li>Cost Estimators</li> <li>Heating, Air Conditioning, &amp; Refrigeration Mechanics &amp; Installers</li> <li>Helpers, Installation, Maintenance, &amp; Repair Workers</li> <li>Sheet Metal Workers</li> </ul>
17047G1001	Career Pathway Project-Architecture & Construction		
17017G1000	CTE Lab in Architecture &		
17056G1001	HVAC Fundamentals		
17055G1001	HVAC Installation and Operation		
17052G1001	HVAC Refrigeration Systems		



12002G1003	Project Management	<ul style="list-style-type: none"> <li>• NCCER Core (module 6 is an elective and not required for CRI)</li> <li>• OSHA 30</li> <li>• Ready for Industry - Construction</li> <li>• Skid Steer – Skills for Success</li> </ul>	
17049G1000	Safety and Health Regulations		

Career Pathway Program	<b>Plumbing Program</b> (Must teach three courses from this program list within two years)		
	<p>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.</p>		
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations
17002G1002	<b>Architecture and Construction</b>	<ul style="list-style-type: none"> <li>• Alabama Certified Employee (ACE)</li> <li>• Construction and Skilled Trade Assessment (CAST)</li> <li>• Asphalt Roller – Skills for Success</li> <li>• Bulldozer – Skills for Success</li> <li>• Excavator – Skills for Success</li> <li>• NCCER Core (module 6 is an elective and not required for CRI)</li> <li>• NCCER Pipefitting Level 1</li> <li>• NCCER Plumbing Level 1</li> <li>• OSHA 30</li> <li>• Plumbing Helper – Skills for Success</li> <li>• Ready for Industry - Construction</li> <li>• Skid Steer – Skills for Success</li> </ul>	<ul style="list-style-type: none"> <li>• Construction Laborers</li> <li>• Cost Estimators</li> <li>• Helper – Installation, Maintenance, &amp; Repair Workers</li> <li>• Helpers – Pipelayers, Plumbers, Pipefitters &amp; Steamfitters</li> <li>• Plumbers, Pipefitters, &amp; Steamfitters</li> </ul>
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	<b>Welding Technology Program</b> (Must teach three courses from this program list within two years)		
	<p>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.</p>		
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations

17002G1002	<b>Architecture and Construction</b>	<ul style="list-style-type: none"> <li>• NCCER Core (module 6 is an elective and not required)</li> <li>• NCCER Welding Level 1</li> <li>• Construction and Skilled Trade Assessment (CAST)</li> <li>• AWS Certifications (one or more areas) <ul style="list-style-type: none"> <li>-SMAW 3-G uphill progression D1.1</li> <li>-GTAW 3-G uphill progression (steel)</li> <li>-FCAW 3-G uphill progression D1.1</li> <li>-GTAW 3-G uphill progression (aluminum) D1.2</li> <li>-GMAW 3-G uphill progression D1.1</li> </ul> </li> <li>• Alabama Certified Employee (ACE)</li> <li>• OSHA 30</li> <li>• Skid Steer – Skills for Success</li> <li>• Asphalt Roller – Skills for Success</li> <li>• Bulldozer – Skills for Success</li> <li>• Ready for Industry - Construction</li> </ul>	<ul style="list-style-type: none"> <li>• Welder</li> <li>• Certified Welding Inspector</li> <li>• Welding Supervisor</li> <li>• Under Water Welder</li> <li>• Pipefitter</li> <li>• Industrial Maintenance Mechanic</li> </ul>
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		

### **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.

**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.

**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.

**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.

**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.

**Electrical Fundamentals**

SDE# 17102G1000

1 term/1 credit  
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.

### **HVAC Fundamentals**

SDE# 17056G1001

1 term/1credit  
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.

### **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.

### **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.

## **BUILDING CONSTRUCTION, HVAC & WELDING**

### Dual Enrolled Coastal Alabama Courses

<b>Building Construction</b>	<b>HVAC</b>
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

<b>Welding</b>
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

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

Co Requisite: WDT109

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 Welding**

SDE# 13249C1050

WDT228

1 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  
WDT140

1 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  
WDT170

1 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	Visual Arts Program (Must teach three courses from this program list within two years)		
	The Visual Arts program challenges students to develop technical skills in one of three areas, photography, animation, or advertising and graphic design.		
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations
11154G1001	<b>Advertising and Graphic Design I – Required Foundation Course</b>	• Adobe Certified Professional – After Effects	<ul style="list-style-type: none"> <li>• Architectural Rendering Specialist</li> <li>• Art Director</li> <li>• Commercial/Industrial Designer</li> <li>• Commercial/Portrait Photographer</li> <li>• Digital Creative Specialist</li> <li>• Digital Marketing Specialist</li> <li>• Game Design/Creative Design</li> <li>• Graphic Designer</li> <li>• Graphic Designer/Developer</li> <li>• Graphics Illustrator</li> <li>• Image Editor</li> <li>• Marketing Specialist</li> </ul>
11154G1002	Advertising and Graphic Design II	• Adobe Certified Professional - Animate	
11154G1003	Advertising and Graphic Design III	• Adobe Certified Professional – Dreamweaver	
11994G1005	Career Pathway Project in Arts, A-V Technology, and Communications	• Adobe Certified Professional Illustrator	
11994G1001	CTE Lab in Arts, A-V Technology, and Communications	• Adobe Certified Professional – InDesign	
	<b>OR</b>	• Adobe Certified Professional Photoshop	
05177G1001	<b>Animation I – Required Foundation Course</b>	• Adobe Certified Professional – Premiere Pro	
05177G1002	Animation II	• Autodesk 3ds Max Certified User	
05177G1003	Animation III	• Autodesk- AutoCAD Certified User	
11994G1005	Career Pathway Project in Arts, A-V Technology, and Communications		

11994G1001	CTE Lab in Arts, A-V Technology, and Communications	•Autodesk- Fusion 360 Certified User	<ul style="list-style-type: none"> <li>• Media Specialist</li> <li>• Media Strategist/Coordinator</li> <li>• Motion Graphics Designer</li> <li>• Motion Graphics Specialist</li> <li>• Multimedia Animator</li> <li>• Multimedia Artists</li> <li>• Multimedia Specialist</li> <li>• Photo Process Technician</li> <li>• Production Artist</li> <li>• Production Assistant</li> <li>• Special Effects Artists/Animators</li> <li>• Technical Illustrator</li> <li>• Videographer</li> <li>• Visual Designer</li> <li>• Web Design Specialist</li> </ul>
	<b>OR</b>	•Autodesk- Inventor Certified User	
11052G1015	<b>Photography I – Required Foundation Course</b>	•Autodesk- Maya Certified User	
11052G1016	Photography II	•Autodesk- Revit Certified User	
11052G1017	Photography III	•Avery Dennison – Certified Wrap Installer	
11994G1005	Career Pathway Project in Arts, A-V Technology, and Communications	•Certified Internet Webmaster E-Commerce	
11994G1001	CTE Lab in Arts, A-V Technology, and Communications	<ul style="list-style-type: none"> <li>•Certified Internet Webmaster Enterprise Developer</li> <li>•Certified Internet Webmaster Site Designer</li> <li>•Certified Professional Photographer</li> <li>•FAA Part 107</li> <li>•Microsoft Certified Professional + Internet (MCP+I)</li> <li>•Microsoft Certified Professional Site Building (MCP+Site Building)</li> <li>•Smith Micro Software: Anime Studio Pro/Moho</li> <li>•Solid Edge Certified Associate</li> <li>•SolidWorks Associate</li> <li>•Stukent Social Media Marketing Certification</li> </ul>	

### **Advertising and Graphic Design I - Required Foundation Course**

SDE# 11154G1001

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

Advertising and Graphic Design I introduces principles, concepts, and skills related to advertising and graphic design. Topics of study include workflow, design, color theory, typography, critical skills, and file preparation and output. The ethical use of artificial intelligence is woven throughout the course of study.

### **Advertising and Graphic Design II**

SDE# 11154G1002

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

Advertising and Graphic Design II extends the content of Advertising and Graphic Design I by providing instruction in the application of advanced design techniques and processes. Areas of study include legal issues, workflow, advertising and design, color theory, typography, digital photography, and digital file preparation and output. The ethical use of artificial intelligence is woven throughout the course of study. Designing projects allows students to manipulate files and demonstrate mastery of relevant skills.

### **Advertising and Graphic Design III**

SDE# 11154G1003

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

Advertising and Graphic Design III is the final course in the Advertising and Graphic Design pathway. It provides opportunities for students to pursue software credentials using industry-standard software,

create multimedia design campaigns, develop a professional design portfolio, be exposed to professional experience, and explore careers and post-secondary education opportunities in advertising and graphic design.

### **Career Pathway Project in Arts, A-V Technology, and Communications**

SDE# 11994G1005

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

Career Pathway Project (CPP) in Arts, A-V Technology, and Communications 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 Arts, AV Television, and Communication**

SDE# 11994G1001

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.

### **Animation I - Required Foundation Course**

SDE# 05177G1001

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

Animation I introduces the fundamentals, history, and culture of animation, which tells stories through motion. The course invites students to explore the techniques needed to develop a story idea from its inception through its completion as an animated project. Animation I presents the phases of pre-production, production, and post-production as well as traditional, stop motion, 2D, 3D, and motion graphics. The course also requires students to analyze and evaluate examples of professional animation.

### **Animation II**

SDE# 05177G1002

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

Animation II extends the content of Animation I by providing instruction in character design and development, sound design, motion graphics, and digital media through the application of animation development and design. Students are challenged to use development and design knowledge and skills to produce 2D and 3D projects. The course is designed to give students the opportunity to enhance artistic skills and develop a portfolio of animated works through hands-on projects and design exercises.

### **Animation III**

SDE# 05177G1003

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

Animation III extends the content of Animation II through application of advanced animation techniques to gaming enterprises. Content covers character design, storytelling, visual design, video game art, game modules, and motion capture. The ethical use of artificial intelligence is woven throughout the

course of study. Animation III requires students to work collaboratively and individually to complete animation projects for gaming.

### **Photography I**

SDE# 11052G1015

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

Photography I introduces the fundamentals of digital photography. It focuses on seeing photographically, operating automatic cameras, using light, capturing images, and producing digital images. The course also presents the history of photography and legal and ethical issues related to the industry, including the use of artificial intelligence.

### **Photography II**

SDE# 11052G1016

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

Photography II extends the content of Photography I by providing instruction in the use of manual camera settings and the application of advanced photographic techniques and processes. Areas of study include photography and imagery tools, file management, editing and printing, studio skills, lighting techniques, post-production, and business plan development. The exploration of careers in photography is an integral part of this course.

### **Photography III**

SDE# 11052G1017

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

Photography III, the final course in the photography pathway, provides photography students with the opportunity for software credentialing using industry-standard software. The ethical use of artificial intelligence is woven throughout the course of study. Course content requires the creation of a professional-quality photography portfolio and the exploration of photography career opportunities.

## **AVIATION**

### Coastal Alabama Community College Program

<b>Aviation</b>
20999C1002 - AMT101 Basic Electricity 20999C1001 - AMT104 Technical Preparation 20999C1003 - AMT105 Materials and Processes 20999C1004 - AMT110 Non-Metallic Structures & Welding 20999C1005 - AMT111 Aircraft Sheetmetal Structures 20999C1006 - AMT112 Airframe Systems I 20999C1007 - AMT113 Airframe Systems II 20999C1022 - AMT114 Airframe Systems III 20999C1023 - AMT115 Airframe Systems IV

#### **Basic Electricity**

SDE# 20999C1002  
AM101

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.

#### **Technical Preparation**

SDE# 20999C1001  
AMT104

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.

#### **Materials and Processes**

SDE# 20999C1003  
AMT105

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 Sheetmetal Structures**

SDE# 20999C1005  
AMT111

1term/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
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**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. 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.

## **COSMETOLOGY & BARBERING CLUSTER**

<b>Career Pathway Program</b>	<b>Cosmetology and Barbering Program</b> (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.		
<b>Course Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>	<b>In Demand Occupations</b>
19102G1001	<b>Barbering Fundamentals – Required Foundation Course for Pathway</b>	<ul style="list-style-type: none"> <li>Alabama Certified Employee (ACE)</li> <li>Barbering Licensure</li> <li>Certiport-Entrepreneurship and Small Business (must hold concentrator status)</li> <li>Cosmetology Licensure</li> <li>Esthetics Licensure</li> <li>Manicure Licensure</li> <li>National Retail Federation – National Professional Certification in Customer Service and Sales</li> </ul>	<ul style="list-style-type: none"> <li>Barber</li> <li>Cosmetologist</li> <li>Dermatology Technician</li> <li>Esthetician</li> <li>Hair Colorist</li> <li>Manicurist and Pedicurist</li> <li>Nail Technician</li> <li>Shampoo Assistant</li> <li>Skin Care Specialist</li> </ul>
19147G1006	Career Pathway Project in Cosmetology and Barbering		
19103G1002	Chemical Services		
19147G1005	CTE Lab in Cosmetology and Barbering		
19103G1001	Haircoloring		
19107G1003	Salon Practices and Management		
19149G1000	State Board Practicum		
	<b>OR</b>		
19101G1001	<b>Cosmetology Fundamentals – Required Foundation Course for Pathway</b>		

19147G1006	Career Pathway Project in Cosmetology and Barbering	• Natural Hair Styling Licensure	
19103G1002	Chemical Services		
19147G1005	CTE Lab in Cosmetology and Barbering		
19103G1001	Haircoloring		
19107G1003	Salon Practices and Management		
19149G1000	State Board Practicum		
	<b>OR</b>		
19105G1005	<b>Nail Technology I – Required Foundation Course for Pathway</b>		
19147G1006	Career Pathway Project in Cosmetology and Barbering		
19147G1005	CTE Lab in Cosmetology and Barbering		
19105G1006	Nail Technology II		
	<b>OR</b>		
19101G1001	<b>Cosmetology Fundamentals – Required Foundation Course for Pathway</b>		
19147G1006	Career Pathway Project in Cosmetology and Barbering		
19147G1005	CTE Lab in Cosmetology and Barbering		
19103G1005	Natural Hairstyling		
	<b>OR</b>		
19106G1001	<b>Spa Techniques I – Required Foundation Course for Pathway</b>		
19147G1006	Career Pathway Project in Cosmetology and Barbering		
19147G1005	CTE Lab in Cosmetology and Barbering		
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	<b>Health Science Program</b> (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	<b>Foundations of Health Science – Required Foundation Course/Health Education Substitution</b>	<ul style="list-style-type: none"> <li>Alabama Certified Employee (ACE)</li> <li>Ambulance Operator– Skills for Success</li> <li>BACE – Biotechnology Aptitude and Competency Exam</li> <li>BLS Instructor</li> <li>Certified Billing and Coding Specialist (CBCS)</li> <li>Certified Clinical Medical Assistant (CCMA)</li> <li>Certified EKG Technician (CET)</li> <li>Certified Electronic Health Records Specialist (CEHRS)</li> <li>Certified Medical Administrative Assistant (CMAA)</li> <li>Certified Nursing Assistant (CNA)</li> <li>Certified Pharmacy Technician (CPhT)</li> <li>Certified Patient Care Technician/Assistant (CPCTA)</li> <li>Community Health Worker – Skills for Success</li> <li>Elanco Veterinary Medical Applications Certification</li> <li>Emergency Medical Dispatcher (EMD)</li> <li>Lifeguard Certification (American Lifeguard Association or American Red Cross)</li> <li>Mental Health Worker – Skills for Success</li> <li>National Academy of Sports Medicine Certified Personal Trainer (NASMCPT)</li> <li>National Emergency Medical Responder (EMR)</li> <li>National Emergency Medical Technician (EMT)</li> <li>Nursing Support Technician-Certified</li> <li>Public Safety Telecommunicator</li> <li>Veterinarian Assistant – Skills for Success</li> </ul> <ul style="list-style-type: none"> <li>Cardiovascular Technologists &amp; Technicians</li> <li>Clinical Laboratory Technologists &amp; Technicians</li> <li>Dental Assistants</li> <li>Dental Hygienists</li> <li>Diagnostic Medical Sonographers</li> <li>Emergency Medical Technicians &amp; Paramedics</li> <li>Licensed Practical Nurses</li> <li>Medical Assistants</li> <li>Medical Equipment Preparers</li> <li>Medical &amp; Health Services Manager</li> <li>Medical Record Specialists</li> <li>Medical Secretaries &amp; Administrative Assistants</li> <li>Nurse Practitioners</li> <li>Occupational Therapy Assistants</li> <li>Ophthalmic Medical Technicians</li> <li>Pharmacists</li> <li>Pharmacy Technicians</li> <li>Phlebotomists</li> <li>Physical Therapists</li> <li>Physical Therapy Assistants</li> <li>Psychiatric Aides</li> <li>Psychiatric Technicians</li> <li>Radiologic Technologists</li> <li>Registered Nurses</li> <li>Respiratory Therapists</li> <li>Speech-Language Pathologists</li> <li>Surgical Technologists</li> <li>Veterinarians</li> <li>Veterinary Assistants &amp; Laboratory Animal Caretakers</li> <li>Veterinary Technologists &amp; Technicians</li> </ul>
	14252G1010	Biotechnology I – Science credit eligible	
	14252G1011	Biotechnology II – Science credit eligible	
	14997G1010	Career Pathway Project in Health Science	
	14999G1000	CTE Lab in Health Science	
	14149G1000	Diagnostic Services	
	14055G1010	Emergency Medical Services	
	14055G1000	Emergency Services and Management	
	15055G1000	Forensic Science and Crime Scene Investigation – Science credit eligible	
	14298G1000	Health Science Internship - 1 credit option	
	14298G2000	Health Science Internship - 2 credit option	
	14299G1001	Human Body Structures and Functions – Science credit eligible	
	18105G1012	Introduction to Veterinary Science	
	14254G1010	Medical Mathematics – Math credit eligible	
	14154G1000	Medical Terminology	
	14051G2000	Nurse Aide Training	
	14254G1015	Operating Room Essentials	
	14051G1000	Patient Care Technician	
	14152G1001	Pharmacy Technician	
	17049G1000	Safety and Health Regulations	
	14062G1010	Sports Medicine I	
	14062G1011	Sports Medicine II	
	14099G1000	Therapeutic Services	
	18105G1022	Veterinary Science	

**Health Science**  
**Dual Enrolled Coastal Courses**

Health Science
14999C1004 – EMS118 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 – Required Foundation Course**

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.



**Biotechnology I - Science credit eligible**

SDE# 14252G1010

1 term/1 credit

Grades 10-12

Fee: \$20.00

Biotechnology I is designed to provide an overview of the scope, concepts, and procedures of the biotechnology field. This course introduces students to a variety of topics in the biotechnology setting. Course topics include career exploration, laboratory procedures and technical skills fundamental to biotechnical research biochemistry, genetics and cell biology concepts, and genetic innovations.

**Biotechnology II - Science credit eligible**

SDE# 14252G1011

1 term/1 credit

Grades 10-12

Fee: \$20.00

Biotechnology II extends the content and skills presented in Biotechnology I through the application of concepts related to biomedical science research and development. An understanding of the industry and laboratory procedures that are fundamental to biomedical research is presented through course topics, including biomedical career opportunities in the biotechnology industry, technical skills and application, biochemistry concepts, biological systems, applied mathematics, research, and the scientific method.

**Career Pathway Project in Health Science**

SDE# 14997G1010

1 term/1 Credit

Grades 9-12

Fee: \$20.00

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

**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.

**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.

**Emergency Medical Services**

SDE# 14055G1010

1 Term/1 Credit

Grades 10-12

Fee: \$20.00

Emergency Medical Services introduces students to professions within the emergency medical field. Course content emphasizes patient and provider safety, human body structure and function, assessment of emergency patients, ethical behavior, and emergency care procedures. The course also focuses on interaction and communication between emergency medical personnel and other first responders.

**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 - Science credit eligible**

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 Science Internship – 1 Credit Option**

SDE # 14298G1000

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 - 2 Credit Option**

SDE # 14298G2000

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 - Science credit eligible**

SDE# 14299G1001

1 term/1 credit  
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 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.

**Medical Mathematics – Math credit eligible**

SDE# 14254G1010

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Medical Mathematics utilizes mathematical concepts as they relate to healthcare and is designed to equip students with the mathematical skills to ensure accurate procedures, enhance patient safety, and improve healthcare efficiency. Topics include healthcare administration, disease distribution and spread, treatment schedules, measurement systems and conversions, charts and graphs, EKG, dosage calculations, statistical analysis, and applications

**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).

**Operating Room Essentials**

SDE# 14254G1015

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Operating Room Essentials introduces students to the exciting and dynamic world of the operating room and 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. Operating Room Essentials is recommended for students who want to prepare for postsecondary study in health-related fields that utilize sterile techniques and/or provide care for patients before, during, or after surgery.

**Patient Care Technician**

SDE# 14051G1000

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Patient Care Technician is designed to provide students with the opportunity to become effective, efficient, and multi-skilled healthcare providers. The course aims to provide a working knowledge of advanced patient care skills, vital signs, 12-lead EKGs, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing.

**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 I**

SDE# 14062G1010

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Sports Medicine I introduces students to the field of sports medicine and its important goals of managing risk and preventing and treating sports-related injuries. The course presents basic concepts and skills regarding legal and ethical considerations, anatomy and physiology, safety, nutrition, assessment, therapeutic exercise, and physical modalities.

**Sports Medicine II**

SDE# 14062G1011

1 term/1 Credit

Grades 9-12

Fee: \$20.00

Sports Medicine II extends the content of Sports Medicine I with strong emphasis on musculoskeletal injuries and on psychological and sociological responses to injuries and illness. The course also emphasizes critical thinking, oral and written communication of anticipated outcomes, and patient care skills related to prevention, rehabilitation, and management. Course content incorporates basic pathophysiology, kinesiology, and principles of treatment. Analysis of a variety of health situations related to the sports medicine pathway is also included through project-based learning, laboratory activities, and simulation.

**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.

**Veterinary Science Alabama Certified Employee (ACE)**

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.

## HOSPITALITY AND TOURISM CLUSTER

Career Pathway Program	<b>Food and Beverage Services Program</b> (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	<b>Introduction to Hospitality and Tourism - Required Foundation Course</b>	<ul style="list-style-type: none"> <li>• 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)</li> <li>• Certified Guest Service Professional</li> <li>• ServSafe Manager</li> <li>• Barista – Skills for Success</li> <li>• Alabama Certified Employee (ACE)</li> <li>• Customer Service – Skills for Success</li> <li>• Food and Beverage – Skills for Success</li> <li>• Meat Cutter – Skills for Success</li> </ul>	<ul style="list-style-type: none"> <li>• Bakers/Bakery Workers</li> <li>• Baristas</li> <li>• Caterer/Catering Management</li> <li>• Executive/Sous Chef</li> <li>• Cooks, Health Care Facilities and School Cafeterias</li> <li>• Cooks, Restaurant</li> <li>• Fast Food and Counter Workers</li> <li>• First-Line Supervisors of Food Preparation and Serving Workers</li> <li>• Food Journalist/Bloggers</li> <li>• Food Service Managers</li> <li>• General Managers</li> <li>• Meeting, Convention and Events managers</li> <li>• Waiters and Waitresses</li> </ul>
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 – CUA112 Safety, Sanitation & Food Service 16999C1010 – CUA125 Food Preparation

**Safety, Sanitation & Food Services**

SDE# 16999C1007  
CUA112

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	<b>Cybersecurity and Infrastructure Program</b> (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"> <li>• Certipoint Information Technology Specialist (ITS) Cloud Computing</li> <li>• Certipoint Information Technology Specialist (ITS) Cybersecurity</li> <li>• Certipoint Information Technology Specialist (ITS) Networking</li> <li>• Cisco Certified Network Associate (CCNA) Routing &amp; Switching</li> <li>• CompTIA Linux+</li> <li>• CompTIA Network+</li> <li>• CompTIA Security+</li> <li>• CompTIA Tech+</li> <li>• FAA Part 107</li> <li>• Microsoft 365 Fundamentals</li> <li>• Microsoft Azure AI Fundamentals</li> <li>• Microsoft Azure Data Fundamentals</li> <li>• Microsoft Dynamics 365 Fundamentals CRM</li> <li>• Microsoft Dynamics 365 Fundamentals ERP</li> <li>• Microsoft Power Platform Fundamentals</li> <li>• Microsoft Security, Compliance, and Identity Fundamentals</li> <li>• TestOut Security Pro (5.1.0 or higher)</li> </ul> <ul style="list-style-type: none"> <li>• Business Operations Specialist</li> <li>• Cloud Security Specialist</li> <li>• Computer and Information Systems Manager</li> <li>• Computer Science Teacher</li> <li>• Computer Systems Engineer/Architect</li> <li>• Computer User Support Specialist</li> <li>• Cybersecurity Analyst</li> <li>• Detectives and Criminal Investigator</li> <li>• Information Security Analyst</li> <li>• Management Analyst</li> <li>• Network and Computer Systems Administrator</li> <li>• Penetration Tester</li> <li>• Software Developer</li> </ul>
	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	



**CYBERSECURITY**  
Dual Enrolled Coastal Courses

Cybersecurity
10999C1060 – CIS134 IT Fundamentals 10999C1045 – CIS246 Ethical Hacking 10999C1049 – CIS268 Software Support 10999C1050 – CIS269 Hardware Support 10999C1051 – CIS270 CISCO CCNA I 10999C1052 – CIS271 CISCO CCNA II 10999C1053 – CIS272 CISCO CCNA III 10999C1078 – CIS280 Network Security

**IT Fundamentals**

SDE# 10999C1060  
CIS134

1 term/1 credit  
Grades 10-12

This is an introductory level course that covers the fundamentals of software, hardware, security, and networking, as well as basic IT skills such as workstation set-up, operating system navigation, simple support services, backup protocols, and safety. Upon completion of the course, students will understand the essential functions of IT professionals and be better positioned to make decisions about a career in information technology.

**Ethical Hacking**

SDE# 10999C1045  
CIS246

1 term/1 credit  
Grades 10-12

This course emphasizes scanning, testing, and securing computer systems. The lab-intensive environment provides opportunities to understand how perimeter defenses work and how hackers are able to compromise information systems. With awareness of hacking strategies, students learn to counteract those attempts in an ethical manner.

**Software Support**

SDE# 10999C1049  
CIS268

1 term/1 credit  
Grades 10-12

This course provides students with hands-on practical experience in installing computer software, operating systems, and trouble-shooting. The class will help to prepare participants for the A+ Certification sponsored by CompTIA

**Hardware Support**

SDE# 10999C1050  
CIS269

1 term/1 credit  
Grades 10-12

This course provides students with hands-on practical experience in installation and troubleshooting computer hardware. The class will help to prepare participants for the A+ Certification sponsored by CompTIA.

**CISCO CCNA I**

SDE# 10999C1051  
CIS270

1 term/1 credit  
Grades 10-12

This course is the first part of a three-part curriculum leading to Cisco Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the CISCO Networking Academy certification standards.

**CISCO CCNA II**

SDE# 10999C1052  
CIS271

1 term/1 credit  
Grades 10-12

This course is the second part of a three-part curriculum leading to Cisco Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the Cisco Networking Academy certification standards.

**CISCO CCNA III**

SDE# 10999C1053  
CIS272

1 term/1 credit  
Grades 10-12

This course is the third part of a three-part curriculum leading to Cisco Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the Cisco Networking Academy certification standards.

**Network Security**

SDE# 10999C1078  
CIS280

1 term/1 credit  
Grades 10-12

This course provides a study of threats to network security and methods of securing a computer network from such threats. Topics included in this course are security risks, intrusion detection, and methods of securing authentication, network access, remote access, Web access, and wired and wireless network communications. Upon completion students will be able to identify security risks and describe appropriate counter measures.

**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

<b>Mechatronics Engineering</b>
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 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.

**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 Preparation**

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**

<b>Career Pathway Program</b>	<b>Automotive Technology Program</b> (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.		
<b>Code Number</b>	<b>Career Pathway Program Courses</b>	<b>Career Readiness Indicator (CRI)</b>	<b>In Demand Occupations</b>
20104G1011	*Automotive Technology Foundations – Required prerequisite course	<ul style="list-style-type: none"> <li>Alabama Certified Employee (ACE)</li> <li>ADAS Certification</li> <li>ASE Entry-Level – Automobile Automatic Transmission and Transaxle</li> <li>ASE Entry-Level – Automobile – Automotive Service Technology</li> <li>ASE Entry-Level – Automobile – Brakes</li> <li>ASE Entry-Level – Automobile – Electrical/Electronic Systems</li> <li>ASE Entry-Level – Automobile – Engine Performance</li> <li>ASE Entry-Level – Automobile – Engine Repair</li> <li>ASE Entry-Level – Automobile – Heating and Air Conditioning</li> <li>ASE Entry-Level – Automobile – Maintenance and Light Repair</li> <li>ASE Entry-Level – Automobile – Manual Drive Train and Axles</li> <li>ASE Entry-Level – Automobile – Suspension and Steering</li> <li>Customer Service Technician - Skills for Success</li> <li>Forklift Operator – Skills for Success</li> <li>Hunter Engineering ADAS Certification</li> <li>Hunter Engineering Alignment Level 1 Certification</li> <li>Hunter Engineering Rolling Smooth Certification</li> </ul>	<ul style="list-style-type: none"> <li>Automotive Service Attendants</li> <li>Automotive Service Technicians and Mechanics</li> <li>Billing and Posting Clerks</li> <li>Cleaners of Vehicles and Equipment</li> <li>Tire Repairers and Changers</li> </ul>
20104G1012	Automotive Brake, Suspension, and Steering Repair I		
20104G1013	Automotive Electrical Components I		
20104G1014	Automotive Engine Repair and Performance I		
20104G1015	Automotive Brake, Suspension, and Steering Repair II		
20104G1016	Automotive Electrical Components II		
20104G1017	Automotive Engine Repair and Performance II		
17049G1000	Safety and Health Regulations		
20997G1001	CTE Lab in Transportation, Distribution & Logistics		
20997G1003	Career Pathway Project-Transportation, Distribution & Logistics		



		<ul style="list-style-type: none"> <li>• Operator Technician - Skills for Success</li> <li>• Skid Steer Operator – Skills for Success</li> </ul>	
--	--	--------------------------------------------------------------------------------------------------------------------------------------------------	--

## **TRANSPORTATION, DISTRIBUTION AND LOGISTICS**

### Dual Enrolled Coastal Courses

<b>Automotive Technology</b> ( 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 – Required**

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 Brake, Suspension, and Steering Repair I**

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 Electrical Components I**

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 Engine Repair and Performance I**

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 Brake, Suspension, and Steering Repair II**

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 Electrical Components II**

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 Engine Repair and Performance II**

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

Fees: \$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.

<b>Marine Industry Technology</b>
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

**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.

**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)**

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# 03157E10H1 IB Physics HL 11	Grade 11
SDE# 03157E10H2 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**

SED# 24063E10SL	1 term/1 credit
SDE# 24063E10S1 IB Spanish SL 11	Grade 11
SDE# 24063E10S2 IB Spanish SL 12	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# 02052X1000

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.



# Selecting the Highest, Most Appropriate Pathway Leading to the Alabama High School Diploma

Student Name: \_\_\_\_\_ School Year: \_\_\_\_\_ Grade: \_\_\_\_\_

**This form is to be completed at the end of the eighth-grade school year, and reviewed annually, along with the student's four-year plan, an updated transcript, diploma credits checklist, and current transition information. Please check as all pathways are discussed.**

\_\_\_\_\_ The IEP Team has considered the courses required for following the General Education Pathway with access to Advanced Placement (AP)/International Baccalaureate (IB)/Postsecondary Equivalent Courses leading to the Alabama High School Diploma (AHSD). The credits earned through the Alabama Courses of Study are designed to prepare students to be college and/or career ready. The awarding of an AHSD on the General Education Pathway ceases the local education agency's responsibility for providing a free appropriate public education (FAPE).

\_\_\_\_\_ The IEP Team has considered the courses required for following the Essentials Pathway. The Essentials Pathway is limited to a student with an individualized education program (IEP). A student following the Essentials Pathway must complete all requirements of the pathway, including the work component. The student must have a minimum of 140 hours of apprenticeship (paid) experience or 140 hours of internship (unpaid) experience. This pathway is designed to allow a student to participate in career/competitive employment. The content of the Essentials courses is not fully aligned to the Alabama Courses of Study. This diploma may be accepted by most state community colleges but may not be accepted by most four-year institutions and may not be accepted by the National Collegiate Athletic Association (NCAA) for eligibility purposes, or the Military, either active duty or reserves. Students that take at least one Essentials/Life Skills Core class must complete all requirements of the pathway, including the work component.

\_\_\_\_\_ The IEP Team has considered the courses required for following the Alternate Achievement Standards (AAS) Pathway. The AAS Pathway is limited to students with a significant cognitive disability. Since the content of the AAS courses is not fully aligned to the Alabama Courses of Study, this diploma will prepare a student for supported/competitive employment and postsecondary education for a student with an intellectual disability. (For a student following the AAS Pathway, the IEP Team has completed the Decision Making Tool.)

Based on the discussion from the IEP meeting, I understand and agree that:

- The course requirements and outcomes for each pathway leading to the AHSD have been explained and discussed by the IEP Team. A credit-earning checklist for the student's appropriate pathway has been completed.
- The IEP Team has considered all pathways and aligned the student's postsecondary goals with the appropriate courses of study to determine the appropriate pathway leading to the AHSD.
- A student with a disability who has not earned the AHSD by completing the requirements of the General Education Pathway is entitled to a FAPE until the age of 21. A student following the Essentials or AAS Pathway who meets the requirements for graduation and who will be continuing beyond 12th grade may participate in the graduation ceremony and activities with his or her non-disabled peers.

The student will follow the \_\_\_\_\_ Pathway as of this date.

\_\_\_\_\_  
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 JANUARY 2024

<b>REQUIREMENTS</b>
Students who take at least one Essentials Pathway course must complete the following:
<ul style="list-style-type: none"> <li>• Career Preparedness (Career and Academic Planning, Computer Applications, and Financial Literacy)</li> <li>• Community-Based Work Training</li> <li>• Two Career/Technical Education courses in a sequence</li> <li>• Workforce Readiness or Transition Services</li> <li>• Cooperative Education/School-Based Enterprises <u>and/or</u> Essentials Career Preparation</li> </ul>
<b>IMPORTANT INFORMATION</b>
<ul style="list-style-type: none"> <li>• Community-Based Work Training should be completed before applying for Cooperative Education.</li> <li>• 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.</li> <li>• 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).</li> <li>• Cooperative Education/School-Based Enterprises and Essentials Career Preparation can consist of (paid) or unpaid experiences.</li> <li>• 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.</li> <li>• 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 <a href="mailto:tony.may@alsde.edu">tony.may@alsde.edu</a> for additional information).</li> <li>• The Career Preparedness course can count as a career/technical education course, regardless of the instructor's teacher certification.</li> </ul>

**Prospective Certificate Courses per Grade Level**  
**Utilize the AAS Checklist when completing the 4-Year Plan**  
**2024-2025**

<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>
9	AAS: Reading-9 #01049X1001	AAS: Language Arts-9 #01037X1001	AAS: Mathematics-9 #02039X1001	AAS: Science-9 #03239X1001	AAS: Social Studies-9 #04439X1001	AAS: Career Preparedness #19258X1001 (Life Skills 9)	AAS: Pre-Vocational-9 #22152X1001	Transition Service #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 (Life Skills 10)	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	AAS: Elective Beyond #22250X1005
------------------	------------------------------------	---------------------------------	--	--	--	----------------------------------------	--------------------------------------------------	---------------------------------------	-------------------------------------

\*\* These courses are not all encompassing.

<b>AAS Elective Course Examples:</b>	<b>Pre-Vocational/Vocational Examples: (Career Tech. Courses)</b>
Art I, II, III Media Arts Theatre I, II, III Visual Arts Languages Dance courses Music	Food Safety Food Nutrition Family and Child Science Forestry Fundamentals of Ag, Intermediate Ag, Advanced Ag, Applied Ag, etc. Business <del>Manag</del> courses Marketing courses Public Administrations



**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		
<b>English/Language Arts</b>  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
<b>Mathematics</b>  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
<b>Science</b>  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
<b>Social Studies</b>  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
<b>Required Electives</b>	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
<b>Additional Electives</b>	Course: _____	<input type="checkbox"/> <input type="checkbox"/> = 1
	Course: _____	<input type="checkbox"/> <input type="checkbox"/> = 1
	Course: _____	<input type="checkbox"/> = 0.5
<b>Total Credits should be equal to 24 credits</b>		<b>Total Credits:</b>

01/2024

# 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		
<b>English/Language Arts</b>  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
<b>Mathematics</b>  Four credits to include:	Options include: <i>Alabama Course of Study: Mathematics</i> 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 mathematic credit eligible course from AL Mathematics COS, CTE, AP/IB, or postsecondary	<input type="checkbox"/> <input type="checkbox"/> = 1
<b>Science</b>  Four credits to include:	Options include: <i>Alabama Course of Study: Science</i> 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
<b>Social Studies</b>  Four credits to include:	Options include: <i>Alabama Course of Study: Social Studies</i> 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
<b>Required Electives</b>	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
<b>Career Technical Education</b>	Career & Technical Education (two credits with courses in a sequence)	
	Course: _____	<input type="checkbox"/> <input type="checkbox"/> = 1
	Course: _____	<input type="checkbox"/> <input type="checkbox"/> = 1
	Workforce Readiness or Transition Services	<input type="checkbox"/> <input type="checkbox"/> = 1
<b>Additional Electives</b>	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
<b>Total Credits should be equal to 24 credits</b>		<b>Total Credits:</b>

01/2024



**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		
<b>English/Language Arts</b> 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
<b>Mathematics</b> 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
<b>Science</b> 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
<b>Social Studies</b> 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
<b>Required Electives</b>	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
<b>Vocational &amp; Community-based</b>	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
<b>Total Credits should be equal to 24 credits</b>		<b>Total Credits:</b>

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)

## 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.

## (Alphabetical) Index of Courses

CORE COURSES		
COURSE TITLE	Fee	PAGE
Algebra with Finance		29
Algebra I with Probability		28
Algebra 1 with Probability, Honors		28
Algebra II with Statistics		28
Algebra II with Statistics, Honors		28
Applications of Finite Mathematics		29
Biology		32
Biology, Honors/PIB	\$15	32
Biology, Advanced Placement (AP)	\$20	34
Calculus AB, Advanced Placement (AP)	\$20	30
Calculus BC, Advanced Placement	\$20	30
Chemistry	\$15	32
Chemistry, Advanced Placement (AP)	\$20	34
Computer Science A, Advanced Placement (AP)	\$20	31
Computer Science Principles, Advanced Placement (AP)	\$20	30
Earth & Space Science		32
Economics		37
Economics, Honors		37
English 9		23
English 9, Honors		23
English 10		24
English 10, Honors		24
English 10, AP Seminar	\$20	24
English 11		25
English 11, Honors		25
English Lang & Comp, Advanced Placement (AP) 11	\$20	25
English 12		25
English 12, Honors		25
English Literature & Comp, Advanced Placement (AP) 12	\$20	26
Environmental Science		32
Environmental Science, Advanced Placement (AP)	\$20	34
Geometry with Data Analysis		27
Geometry, Honors with Data Analysis		28
Government – US		37
Government & Politics (AP)	\$20	37
Human Anatomy and Physiology	\$15	33
Mathematical Modeling		30
Marine Science	\$15	33
Marine Science, Honors	\$15	33
Physical Science		33

CORE COURSES		
COURSE TITLE	Fee	PAGE
Honors Physics	\$15	33
Physics 1, Advanced Placement (AP)	\$20	34
Physics 2, Advanced Placement (AP)	\$20	34
Physics C: Mechanics, AP	\$20	35
Physics C: Electricity and Magnetism, Advanced Placement (AP)	\$20	35
Precalculus		29
Precalculus, Advanced Placement (AP)	\$20	29
Statistics, Advanced Placement (AP)	\$20	30
United States History I		36
United States History I, Honors		36
United States History II		36
United States History II, Honors		36
U.S. History, Advanced Placement (AP)	\$20	37
World History: 1500 to the Present		36
World History, Honors		36
World History, Advanced Placement (AP)	\$20	37
Zoology	\$15	33

STATE REQUIRED CAREER PREPAREDNESS COURSES		
COURSE TITLE	Fee	PAGE
Career Preparedness		38
Career Preparedness – A		38
Career Preparedness – B		38

CORE ELECTIVES		
COURSE TITLE	Fee	PAGE
Adventure/Cooperative Activities		43
Bible as/in Literature		39
Contemporary World Issues	\$10,\$5	41
Creative Writing		39
Debate		39
Driver's Education	\$25	44
European History, Advanced Placement (AP)	\$20	41
Film and Literature		39
Health		43
Human Geography		42
Human Geography, Advanced Placement (AP)	\$20	41
Journalism I		39



CORE ELECTIVES		
COURSE TITLE	Fee	PAGE
Journalism II		39
Journalism III		40
Kinesiology, Beginning		43
Kinesiology, Advanced		43
Literature, Mythology and Fable		40
Literature, Novel		40
Mass Media	\$30	40
Oral Communication		40
<b>Physical Education – Athletics List</b>		44
Psychology		42
Psychology, Advanced Placement (AP)	\$20	41
Safety		44
Sociology		42
Sports Officiating Certification		43
Strength and Conditioning		43
Team Sports		43
Yearbook Production		40

ON CAMPUS FINE ART ELECTIVE COURSES		
COURSE TITLE	Fee	PAGE
Dance, Elements of Arts Literacy		45
Dance I	\$20	46
Dance II	\$20	46
Dance III	\$20	46
Dance IV	\$20	46
Dance Ensemble I		45
Dance Ensemble II		45
Dance Ensemble III		45
Music, Elements of Arts Literacy		49
Theatre I	\$15	47
Theatre II	\$15	47
Theatre III	\$15	47
Theatre IV	\$15	47
Theatre, Acting for the Camera II		48
Theatre, Acting Technique II		47
Theatre, Acting Technique III		47
Theatre, Elements of Arts Literacy		46
Theatre, Makeup Design and Applications II	\$10	48
Theatre, Musical Theatre I	\$15	49
Theatre, Musical Theatre II	\$15	49
Theatre, Musical Theatre III	\$15	49
Theatre, Playwriting II		48
Theatre, Technical Theatre Production I	\$15	48
Theatre, Technical Theatre Production II	\$15	48

ON CAMPUS FINE ART ELECTIVE COURSES		
COURSE TITLE	Fee	PAGE
Theatre, Technical Theatre Production III	\$15	48
Instrumental		Page
Band Techniques		55
Concert Band I	\$30	49
Concert Band II	\$30	50
Concert Band III	\$30	50
Concert Band IV	\$30	50
Guitar I	\$25	54
Guitar II	\$25	54
Guitar III	\$25	54
Guitar IV	\$25	54
Jazz Ensemble I	\$20	52
Jazz, Ensemble II	\$20	53
Jazz, Ensemble III	\$20	53
Jazz, Ensemble IV	\$20	53
Marching Band I	\$30	50
Marching Band II	\$30	50
Marching Band III	\$30	50
Marching Band IV	\$30	51
Marching Band (Color Guard I)	\$30	51
Marching Band (Color Guard II)	\$30	51
Marching Band (Color Guard III)	\$30	52
Marching Band (Color Guard IV)	\$30	52
Marching Band (Winter Guard I)		51
Marching Band (Winter Guard II)		51
Marching Band (Winter Guard III)		52
Marching Band (Winter Guard IV)		52
Percussion I	\$30	55
Percussion II	\$30	55
Percussion III	\$30	55
Percussion IV	\$30	55
Piano I	\$25	53
Piano II	\$25	53
Piano III	\$25	54
Piano IV	\$25	54
Vocal		
Chamber Chorus I	\$20	56
Chamber Chorus II	\$20	56
Chamber Chorus III	\$20	57
Chamber Chorus IV	\$20	57
Chamber Chorus V	\$20	57
Men's Chorus I	\$20	57
Men's Chorus II	\$20	57
Men's Chorus III	\$20	58
Men's Chorus IV	\$20	58

ON CAMPUS FINE ART ELECTIVE COURSES		
COURSE TITLE	Fee	PAGE
Mixed Chorus I	\$20	56
Mixed Chorus II	\$20	56
Mixed Choir III	\$20	56
Mixed Choir IV	\$20	56
Music Theory, Advanced Placement (AP)	\$20	59
Music Technology, Music Production and Engineering I	\$20	60
Music Technology, Music Production and Engineering II	\$20	60
Music Technology, Music Production and Engineering III	\$20	60
Show Choir I	\$20	59
Show Choir II	\$20	59
Show Choir III	\$20	59
Show Choir IV	\$20	60
Women's Chorus I	\$20	58
Women's Chorus II	\$20	58
Women's Chorus III	\$20	58
Women's Chorus IV	\$20	59

GENERAL ELECTIVE COURSES		
World Languages	Fee	PAGE
French I	\$7.50	65
French II	\$7.50	65
French III	\$7.50	65
French IV	\$7.50	65
Spanish I	\$7.50	65
Spanish II	\$7.50	65
Spanish III	\$7.50	66
Spanish IV	\$7.50	66
Spanish Language, Advanced Placement (AP)	\$20	66

GENERAL ELECTIVE COURSES		
COURSE TITLE	Fee	PAGE
Peer Helpers		67
Robotics I, II	\$10	67
Study Hall – Distance Learning Virtual Lab		67
Study Hall – Dual Enrollment Virtual Lab		67

ON CAMPUS FINE ART ELECTIVE COURSES		
Visual Arts		
Art History	\$10	63
Arts, Visual Arts, Elements of Arts Literacy		61
Arts, Visual Arts I	\$20	61
Arts, Visual Arts II	\$20	61
Arts, Visual Arts III	\$20	61
Arts, Visual Arts IV	\$20	61
Arts, Visual Arts, Graphic Design I	\$20	62
Arts, Visual Arts, Painting II	\$20	62
Arts, Visual Arts, Painting II	\$20	62
Arts, Visual Arts, Photography I	\$20	62
Arts, Visual Arts, Photography II	\$20	62
Arts, Visual Arts, Photography III	\$20	63
Art, Studio Art Drawing, Advanced Placement (AP)	\$20	63
Art, Studio 2D, Advanced Placement (AP)	\$20	63
Media Arts		
Media Arts, Elements of Arts Literacy		63
Media Arts I	\$20	64
Media Arts, Sequential Images I	\$20	64

COLLEGE AND CAREER PREPARATION COURSES		
COURSE TITLE	Fee	PAGE
ACT/SAT Prep		68
AP/IB ELA Studies		68
AP/IB Elective Studies		69
AP/IB History Studies		68
AP/IB Sciences Studies		68
AP/IB Math Studies		68
AP Research	\$20	68
AP Seminar	\$20	68

INTERVENTION - EXTENSION		
COURSE TITLE	Fee	PAGE
English Readiness		70
Math Lab		70
Math Readiness		70
Reading Readiness		70
Science Readiness		70
Social Science Readiness		70

CAREER TECHNICAL ELECTIVES		
COURSE TITLE	Fee	PAGE
<b>Agriculture, Food and Natural Resources Cluster</b>		
Advanced Agriscience	\$20	75
Agrobiology	\$20	75
Agricultural and Biosystems Engineering	\$20	76
Agricultural Industrial Maintenance	\$20	76
Agricultural Marketing & Management	\$20	76
Agricultural Communication and Technology	\$20	76
Applied Agriscience	\$20	76
Aquaculture Science	\$20	77
Aquatic Biology	\$20	77
Equine Science	\$20	77
Food Safety and Microbiology	\$20	77
Forestry	\$20	77
Fundamentals of Agriscience	\$20	77
Horticultural Science	\$20	78
Intermediate Agriscience	\$20	78
Introduction to Agricultural Construction	\$20	78
Introduction to Animal and Dairy Science	\$20	78
Introduction to Veterinary Science	\$20	78
Poultry Industrial Maintenance	\$20	78
Poultry Science	\$20	79
Veterinary Science	\$20	79
CTE Lab in Agriculture, Food Natural Resources	\$20	79
Career Pathway Project in AFNR	\$20	79
<b>Arts, A/V Technology, and Communication Cluster</b>		
Media Production Foundations	\$20	80
Audio Production I	\$20	80
Audio Production II	\$20	81
Broadcasting Production I	\$20	81
Broadcasting Production II	\$20	81
Drone Flight Operations	\$20	81
Drone Licensure and Fundamentals	\$20	81
Film Production I	\$20	82
Film Production II	\$20	82
Technical Theatre I	\$20	82
Technical Theatre II	\$20	82
Career Pathway Project in Arts, A-V Technology, and Communications	\$20	82
CTE Lab in Arts, A-V Technology, and Communications	\$20	83
<b>Business Management and Administration Cluster</b>		
AP Computer Science Principles	\$20	85
AP Computer Science A	\$20	85
Business Essentials	\$20	86
Business Software Applications I	\$20	86

CAREER TECHNICAL ELECTIVES		
COURSE TITLE	Fee	PAGE
<b>Business Management and Administration Cluster</b>		
Business Software Applications II	\$20	86
Career Pathway Project-Business Management and Administration		86
Career Preparedness		86
Computer Gaming and Simulation Programming	\$20	87
Computer Science for Business	\$20	87
Cooperative Education	\$20	87
CTE Lab in Business Management & Administration	\$20	87
Customer Service and Sales	\$20	87
Data Analytics	\$20	88
Digital Media Design	\$20	88
Digital Publications Designs	\$20	88
Economic and Financial Services	\$20	88
Entrepreneurship	\$20	88
Event Planning and Management	\$20	89
Exploring Computer Science	\$20	89
Foundations of Business Leadership	\$20	89
Hospitality Management and Marketing	\$20	89
Human Resource Management	\$20	89
Information Management	\$20	90
International Business Concepts	\$20	90
Introduction to Computer Science – TEALS	\$20	90
Mobile Application Development	\$20	90
Project Management	\$20	90
Web Development	\$20	91
<b>Education and Training Cluster</b>		
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
<b>Government &amp; Public Administration Cluster</b>		
Aviation History (one-half credit)	\$10	96
Cadet Guide Handbook	\$10	96
Citizenship and the Constitution	\$10	96
Congressional Medal of Honor	\$10	96
CTE Lab in Government & Public Administration	\$20	96
Geography-Maps and Regions, JROTC	\$10	96
Global and Cultural Studies	\$10	96

CAREER TECHNICAL ELECTIVES		
COURSE TITLE	Fee	PAGE
<b>Government &amp; Public Administration Cluster</b>		
Honors Ground School	\$20	97
Leadership Application	\$10	97
Leadership and Aviation History	\$20	97
Leadership and Cultural Studies	\$20	97
Leadership and Exploration of Space	\$20	97
Leadership and Management of the Cadet Corps and Financial Education	\$20	97
Leadership and Science of Flight	\$20	97
Leadership and Survival	\$20	98
Leadership I	\$10	98
Leadership II	\$10	98
Leadership III	\$10	98
Leadership IV	\$10	98
Science of Flight	\$10	98
Senior Career Pathway Project JROTC	\$20	98
Success for Life – JROTC	\$10	98
Unlocking Your Potential	\$10	99
Naval Science I: Intro to US Navy	\$20	99
Naval Science II: Maritime History, Leadership & Nautical Studies	\$20	99
Naval Science III: Naval Knowledge & Skills	\$20	99
Naval Science IV: Advanced Leadership	\$20	99
Navy Science 1-b	\$20	99
Navy Science 2-b	\$20	99
Navy Science 3-b	\$20	100
Navy Science 4-b	\$20	100
<b>Health Science Cluster</b>		
Foundations of Health Science	\$20	101
Biotechnology I	\$20	101
Biotechnology II	\$20	101
Career Pathway Project in Health Science	\$20	101
CTE Lab in Health Science	\$20	102
Diagnostic Services	\$20	102
Emergency Medical Services	\$20	102
Emergency Services and Management	\$20	102
Forensic Science and Crime Scene Investigation	\$20	102
Health Science Internship -1 Credit Option	\$20	103
Health Science Internship -2 Credit Option	\$20	103
Human Body Structures and Functions	\$20	103
Introduction to Veterinary Science	\$20	103
Medical Mathematics	\$20	103
Medical Terminology	\$20	103
Nurse Aid Training	\$20	104
Operating Room Essentials	\$20	104

CAREER TECHNICAL ELECTIVES		
COURSE TITLE	Fee	PAGE
<b>Health Science Cluster</b>		
Patient Care Technician	\$20	104
Pharmacy Technician	\$20	104
Safety and Health Regulations	\$20	104
Sports Medicine I	\$20	104
Sports Medicine II	\$20	104
Therapeutic Services	\$20	105
Veterinary Science Alabama Certified Employee	\$20	105
<b>Hospitality and Tourism Cluster</b>		
Introduction to Hospitality and Tourism	\$35	106
Baking and Pastry Arts	\$35	106
Career Pathway Project (CPP) in Hospitality and Tourism	\$35	107
CTE Lab in Hospitality and Tourism	\$20	107
Culinary Arts I	\$35	107
Culinary Arts II	\$20	107
Cultural Foods	\$20	107
Event Planning & Management	\$35	108
Food Safety and Microbiology	\$20	108
Hospitality Management and Marketing	\$20	108
Sports, Recreation and Attractions Management I	\$20	108
Sports, Recreation and Attractions Management II	\$20	108
<b>Human Services Cluster</b>		
Family and Consumer Sciences	\$20	111
Architecture and Interior design I	\$20	111
Architecture and Interior Design II	\$20	111
Career Pathway Project in Human Services	\$20	111
Child Development	\$20	111
Child Services	\$20	111
Consumer Affairs	\$20	112
Consumer Economics	\$20	112
Creative Designs and Production	\$20	112
CTE Lab in Human Services	\$20	112
Event Planning & Management	\$20	112
Family and Community Services	\$20	113
Family Financial Planning	\$20	113
Fashion Fundamentals	\$20	113
Fashion Merchandising	\$20	113
Family Wellness	\$20	113
Food Safety and Microbiology	\$20	113
Food Science	\$20	114
Home Renovations and Sales	\$20	114
Human Lifespan Development	\$20	114
Nutrition and Food	\$20	114

CAREER TECHNICAL ELECTIVES		
COURSE TITLE	Fee	PAGE
Small Business in FCS	\$20	114
Sports Nutrition	\$20	114
<b>Law, Public Safety, Corrections and Security Cluster</b>		
Introduction to Public Safety	\$20	115
Advanced Law Enforcement	\$20	115
Career Pathway Project in Law, Public Safety, Corrections and Security	\$20	115
CTE Lab in Law, Public Safety, Corrections, and Security	\$20	116
Forensic Science and Crime Scene Investigation	\$20	116
Introduction to Criminal Justice	\$20	116
Law Enforcement and Corrections	\$20	116
<b>Marketing Cluster</b>		
Advertising and Sales	\$20	119
Business Communication	\$20	119
Business Software Applications I	\$20	119
Buying and Selling Real Estate	\$20	119
Career Pathway Project in Marketing	\$20	119
Career Preparedness		120
Cooperative Education	\$20	120
CTE Lab in Marketing	\$20	120
Digital Marketing	\$20	120
Entrepreneurship	\$20	120
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	121
Sports and Entertainment Marketing Fundamentals	\$20	121
<b>Science, Technology, Engineering, and Mathematics (STEM) Cluster</b>		
Applications of Engineering & Technology	\$20	122
Basic Programming for Engineer	\$20	123
Capstone of Engineering & Technology	\$20	123
Career Pathway Project in STEM	\$20	123
Computer Engineering & Technology	\$20	123
Career Technical Lab in STEM	\$20	124
Environmental Engineering	\$20	124
Foundations of Engineering & Technology	\$20	124
Robotics Systems	\$20	124
<b>Work-Based Learning – (COOP)</b>		
Cooperative Education/WBL	\$10.00	125

BALDWIN PREPARATORY ACADEMY		
Architecture and Construction Cluster	Fee	PAGE
Architecture And Construction Foundations	\$20	129
Cabinet Finishing	\$20	129
Cabinetmaking Joinery	\$20	129
Career Pathway Project in Architecture and Construction	\$20	129
Carpentry: Commercial Framing and Layout	\$20	130
Construction Building Systems	\$20	130
Construction Finishing	\$20	130
Construction Foundation Layout	\$20	130
CTE Lab in Architecture and Construction	\$20	130
Industrial Carpentry	\$20	130
Industrial Site Layout, Formwork, and Concrete	\$20	131
Project Management	\$20	131
Residential Building	\$20	131
Safety & Health Regulation	\$20	131
Wood Technology: Two-Dimensional Design	\$20	131
Wood Technology: Three-Dimensional Design	\$20	131
Electrical Fundamentals	\$20	131
Electrical Installation	\$20	132
Electrical Technology	\$20	132
Motor Controls	\$20	132
HVAC Fundamentals	\$20	132
HVAC Installation and Operation	\$20	132
HVAC Refrigeration Systems	\$20	132
Plumbing and Pipefitting	\$20	133
Plumbing Systems	\$20	133
Welding: GMAW and FCAW	\$20	133
Welding: SMAW I	\$20	133
Welding: SMAW II	\$20	133

BALDWIN PREPARATORY ACADEMY		
Building Construction, HVAC & Welding	Fee	PAGE
Construction Basics	\$20	134
Floors, Walls, and Site Preparation	\$20	134
Floors, Walls, and Site Preparation LAB	\$20	135
Construction Basics LAB	\$20	135
Basic Construction Layout	\$20	135
Construction Measurement & Calculations	\$20	135
Roof and Ceiling Systems	\$20	135
Roof and Ceiling Systems LAB	\$20	135
Residential Wiring Methods	\$20	136
NCCER Core	\$20	136

<b>BALDWIN PREPARATORY ACADEMY</b>		
<b>Heating, Ventilation and Air Conditioning</b>		
Heat Pump Systems I	\$20	136
Heat Pump Systems II	\$20	136
Principles of Refrigeration	\$20	136
HVACR Service Procedures	\$20	136
Principles of Electricity for HVACR	\$20	137
HVACR Electric Circuits	\$20	137
<b>Welding</b>		
Shielded Metal Arc Fillet/OFC	\$20	137
Shielded Metal Arc Fillet/ OFC LAB	\$20	137
Shielded Metal Arc Fillet/ PAC/ CAC	\$20	137
Shielded Metal Arc Fillet/ PAC/ CAC Lab	\$20	137
Shielded Metal Arc Welding Groove	\$20	138
Shielded Metal Arc Welding Groove LAB	\$20	138
Gas Metal Arc/Flux Core Arc Welding	\$20	138
Gas Metal Arc/Flux Core Arc Welding LAB	\$20	138
NCCER Core	\$20	138
Gas Tungsten Arc Welding	\$20	138
Introduction to Maritime Industry (Austal Pre-Apprenticeship)		139
Introduction to Maritime Structural Fitting (Austal Pre-Apprenticeship)		139
<b>ARTS, A/V Technology, And Communications Cluster</b>		
Advertising and Graphic Design I	\$20	140
Advertising and Graphic Design II	\$20	140
Advertising and Graphic Design III	\$20	140
Career Pathway Project in Arts, A-V Technology, and Communications	\$20	141
CTE Lab in Arts, AV Television and Communication	\$20	141
Animation I	\$20	141
Animation II	\$20	141
Animation III	\$20	141
Photography I	\$20	142
Photography II	\$20	142
Photography III	\$20	142

<b>COASTAL ALABAMA COMMUNITY COLLEGE PROGRAM</b>		
<b>Aviation</b>	<b>Fee</b>	<b>PAGE</b>
Basic Electricity		143
Technical Preparation		143
Materials And Processes		143
Non-Metallic Structures and Welding		143
Aircraft Sheet Metal Structures		144
Airframe Systems I		144
Airframe Systems II		144
Airframe Systems III		144
Airframe Systems IV		144

<b>BALDWIN COUNTY TEACHER CADET ACADEMY</b>		
<b>COURSE TITLE</b>	<b>Fee</b>	<b>PAGE</b>
Introduction to Early Care and Education of Children	\$20	145
Children's' Creative Experiences	\$20	145
Methods and Materials for Teaching Children	\$20	145
Children's Health and Safety	\$20	145
Children's Lit and Language Development	\$20	146
Educating Exceptional Children	\$20	146

<b>COSMETOLOGY &amp; BARBERING CLUSTER</b>		
<b>COURSE TITLE</b>	<b>Fee</b>	<b>PAGE</b>
Barbering Fundamentals	\$20	147
Chemical Services	\$20	147
Cosmetology Fundamentals	\$20	147
CTE Lab in Cosmetology and Barbering	\$20	148
Hair Coloring	\$20	148
Nail Technology I	\$20	148
Nail Technology II	\$20	148
Natural Hairstyling	\$20	148
Salon Practices and Management	\$20	149
Spa Techniques I	\$20	149
Spa Techniques II	\$20	149
State Board Practicum	\$20	149
Career Pathway Project in Cosmetology and Barbering	\$20	149

<b>HEALTH SCIENCE CLUSTER DUAL ENROLLMENT COASTAL COURSES</b>		
<b>COURSE TITLE</b>	<b>Fee</b>	<b>PAGE</b>
Emergency Medical Technician		151
Emergency Medical Technician Clinical		151
Long Term Care Nursing Assistant (CNA)	\$20	151
Foundations of Health Science	\$20	151
Biotechnology I	\$20	152
Biotechnology II	\$20	152
Career Pathway Project in Health Science	\$20	152
CTE Lab in Health Science	\$20	152
Diagnostic Services	\$20	152
Emergency Medical Services	\$20	152
Emergency Services and Management	\$20	153
Forensic Science and Crime Scene Investigation	\$20	153
Health Science Internship -1	\$20	153
Health Science Internship-2	\$20	153
Human Body Structures and Functions	\$20	153
Introduction to Veterinary Science	\$20	153



HEALTH SCIENCE CLUSTER DUAL ENROLLMENT COASTAL COURSES		
COURSE TITLE	Fee	PAGE
Medical Mathematics	\$20	154
Medical Terminology	\$20	154
Nurse Aid Training	\$20	154
Operating Room Essentials	\$20	154
Patient Care Technician	\$20	154
Pharmacy Technician	\$20	154
Safety and Health Regulations	\$20	155
Sports Medicine I	\$20	155
Sports Medicine II	\$20	155
Therapeutic Services	\$20	155
Veterinary Science Alabama Certified Employee (ACE)	\$20	155

HOSPITALITY AND TOURISM CLUSTER DUAL ENROLLED COASTAL COURSES		
COURSE TITLE	Fee	PAGE
Safety, Sanitation & Food Services	\$35	157
Food Preparation	\$35	157
Introduction to Hospitality and Tourism	\$35	157
Baking and Pastry Arts	\$35	157
Career Pathway Project (CPP) in Hospitality and Tourism	\$35	157
CTE Lab in Hospitality and Tourism	\$20	157
Culinary Arts I	\$35	158
Culinary Arts II	\$20	158
Cultural Foods	\$20	158
Entrepreneurship & Financial Skills Development	\$20	158
Event Planning & Management	\$35	158
Hospitality Management and Marketing	\$20	159

INFORMATION TECHNOLOGY PROGRAM		
COURSE TITLE	Fee	PAGE
IT Fundamentals		160
Ethical Hacking		160
Software Support		160
Hardware Support		160
CISCO CCNA I		160
CISCO CCNA II		161
CISCO CCNA III		161
Network Security		161
Career Pathway Project in Information Technology	\$20	161
Cloud and Virtualization	\$20	161
CTE Lab in Information Technology	\$20	161

INFORMATION TECHNOLOGY PROGRAM		
COURSE TITLE	Fee	PAGE
Cybersecurity I	\$20	161
Cybersecurity II	\$20	162
Cybersecurity III	\$20	162
Foundations of Operating Systems	\$20	162
Information Technology Fundamentals	\$20	162
Linux Fundamentals	\$20	163
Network Fundamentals	\$20	163
Network Systems Administration	\$20	163
Programming Foundations	\$20	163

MECHATRONICS ENGINEERING COASTAL ALABAMA COMMUNITY COLLEGE PROGRAM		
COURSE TITLE	Fee	PAGE
Precision Measurement		164
Manufacturing Safety Practices		164
Motor Controls II		164
Introduction to Programmable Controllers		165
Advanced Programmable Controllers		165
Basic Electricity		165
Rotating Machinery and Controls		165
Fluid Power Systems		165
Introduction to Instruments and Process Controls		165
Instrumentation Operation and Calibration		166
Introduction to Robotic Programming		166
Principles of Industrial Maintenance		166
Principles of Industrial Pumps and Piping Systems		166
Workplace Skills		166
Workplace Skills Preparation		166
NCCER Core		167

TRANSPORTATION, DISTRIBUTION AND LOGISTICS DUAL ENROLLED COASTAL COURSES		
COURSE TITLE	Fee	PAGE
ASE121 Braking Systems	\$20	168
ASE122 Steering and Suspension	\$20	168
ASE101 Fundamentals of Automotive Technology	\$20	168
ASE162 Electrical & Electronic Systems	\$20	168
ASE212 Advanced Electrical and Electronic Systems	\$20	169
ASE239 Engine Performance & Diagnostics	\$20	169
ASE124 Automotive Engines	\$20	169
ASE246 Automotive Emissions	\$20	169
WKO107 Workplace Skills Preparation	\$20	169

TRANSPORTATION, DISTRIBUTION AND LOGISTICS DUAL ENROLLED COASTAL COURSES		
COURSE TITLE	Fee	PAGE
Automotive Technology Foundation	\$20	169
Automotive Brake, Suspension, and Steering Repair I	\$20	169
Automotive Electrical Components I	\$20	170
Automotive Engine Repair and Performance I	\$20	170
Automotive Brake, Suspension, and Steering Repair II	\$20	170
Automotive Electrical Components II	\$20	170
Automotive Engine Repair and Performance II	\$20	170
Safety and Health Regulations	\$20	171
CTE Lab in Transportation, Distribution and Logistics	\$20	171
Career Pathway Project	\$20	171

CAREER TECHNICAL COURSES OFFERED AT COASTAL ALABAMA FOLEY CAMPUS		
Marine Industry Technology	Fee	PAGE
Marine Engines & Drives		172
Marine Rigging and Trailers		172
Service Operations/Customer Service		173
Fuel and Lubrication Systems		173
Marine Engines and Outdoor Drives		173
Marine Engines and Indoor Drives		173
Basic Electricity		173
Residential Wiring Methods	\$20	174
NCCER Core	\$20	174

INTERNATIONAL BACCALAUREATE PROGRAMS		
COURSE TITLE	Fee	PAGE
IB Dance		175
Designing Technology, IB		175
IB English	\$20	175
Experimental Science: IB Biology	\$20	176
Experimental Science: IB Chemistry	\$20	176
Experimental Science: IB Physics	\$20	176
Film:	\$30	177
French, B, SL, IB	\$7.50	177
French, B, HL, IB	\$7.50	177
Foreign Language: IB Spanish	\$7.50	177
Foreign Language: Spanish, B, HL, IB	\$7.50	178
Mathematics: IB Applications and Interpretations		178
Mathematics: IB Analysis and Approaches		178
Music		178

INTERNATIONAL BACCALAUREATE PROGRAMS		
COURSE TITLE	Fee	PAGE
Psychology	\$20	179
Social Studies, IB History		179
Theatre	\$20	179
Theory of Knowledge		179
Visual Arts	\$20	180

ESSENTIALS/LIFE SKILLS CORE COURSES	
COURSE TITLE	PAGE
Essentials English 9	181
Essentials English 10	181
Essentials English 11	181
Essentials English 12	181
Essentials: Physical Science	181
Essentials: Biology	181
Essentials: Earth & space Science	181
Essentials: Environmental Science	181
Essentials I: World History	181
Essentials II: U.S. History to 1877	182
Essentials III: U.S. History from 1877	182
Essentials IV: Economics	182
Essentials V: United States Government	182
Essentials Algebra I with Probability	182
Essentials Geometry with Data Analysis	182
Essentials Algebra II with Statistics	182
Essentials Mathematical Modeling	183
Essentials Algebra with Finance	183
Transition Services I	183

ENGLISH AS A SECOND LANGUAGE	
COURSE TITLE	PAGE
ESL Elective I	190
ESL Elective II	190
ESL Elective III	190
ESL Elective IV	190