



GULF SHORES HIGH SCHOOL
Course Catalog
Class of 2024

Our Values

The Gulf Shores City Schools (GSCS) community, comprising The Board of Education, administrators, teachers, school staff, parents, students and community members, has high expectations and standards for all students. The GSCS community challenges and inspires its students to become creative and critical thinkers who make ethical choices, to work both independently and collaboratively to solve problems, to become life-long learners and responsible citizens in a democratic society, and to be prepared for the demands of a highly technological and global community. We are dedicated to continuous improvement and are committed to maintaining the flexibility necessary to anticipate and respond to a changing world.

We believe in:

1. Promoting rigorous, comprehensive, and relevant curriculum that prepares students to become productive citizens and lifelong learners.
2. Developing self-reliance by incorporating the student's physical, mental, emotional and social well-being into the teaching/learning environment.
3. Fostering inclusive, engaging members of society, and encouraging critical and creative thinking.
4. Recruiting and emboldening the best and the brightest faculty and staff and rewarding innovation and collaboration.
5. Instilling a sense of pride in our schools by engaging the Gulf Shores community in the educational experience.

Gulf Shores High School Mission

Our mission is to address the diverse needs of students and to prepare students for a life of learning through exceptional and innovative educational connections with the unique learning environment presented by the community of Gulf Shores.

Forward

The purpose of this catalog is to assist in the course selection process. This guide includes course descriptions, graduation requirements, diploma options, and policies governing the acquisition and transfer of credits. Information in this guide is subject to change per Alabama State Department of Education guidelines and policies as well as those of Gulf Shores City Schools, the Alabama High School Athletic Association (AHSAA), and other relevant governing bodies.

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 as well as the requirements of AHSAA (if applicable) and other high school programs of interest to the student.

When selecting classes, consideration should also be given to the student's future goals and the specific requirements for universities, the military, NCAA, etc. For example, although foreign language and Algebra II with Trig are 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.

For questions regarding course selection or schedules, please contact the high school counselor.

ALABAMA HIGH SCHOOL DIPLOMA

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

24 Credits Required for Graduation

English	4 credits
English 9 or Honors English 9.....	1
English 10 or Honors English 10.....	1
English 11 or AP English Language and Composition.....	1
English 12 or AP English Literature and Composition.....	1
 Mathematics	 4 credits
Algebra I or Honors Algebra I.....	1
Geometry or Honors Geometry	1
Algebra II with Trigonometry or Algebra II or Algebra with Finance	1
<i>plus</i>	
Select an additional course from the following to meet the remaining mathematics credit requirement:	
Algebraic Connections	1
AP Calculus AB.....	1
AP Statistics.....	1
AP Computer Science Principles.....	1
Or approved Career Tech math equivalent course	1
 Science	 4 credits
Biology or Honors Biology	1
A physical science course (either Physical Science, Chemistry, or Physics).....	1
Select two additional courses from the following to meet the remaining 3rd & 4th science credit requirements:	
Gulf Coast Ecology or Honors Gulf Coast Ecology	1
*Marine Science or Honors Marine Science	1
*Zoology or Honors Zoology	1
*Aquascience or Honors Aquascience	1
AP Biology	1
AP Chemistry	1
AP Physics I.....	1
Or approved Career Tech science equivalent course	1
 Social Studies	 4 credits
World History or Honors World History or AP World History	1
U.S. History I or Honors U.S. History	1
U.S. History II or AP US History	1
U.S. Government or AP Government and Politics**	0.5
Economics or Honors Economics	0.5
 LIFE Physical Education 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
 Total Credits	 24 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. Additionally, students should earn a career readiness indicator.

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

Dual Enrollment options are available through Auburn University, University of Alabama, and Coastal Alabama Community College for qualified students in grades 10-12. Approved Dual Enrollment credits may count toward required core and/or elective requirements.

Gulf Shores High School Endorsement Options

Students may enhance their Gulf Shores High School academic experience by pursuing one of two additional diploma endorsements: College and Career Preparatory Endorsement or Honors College and Career Preparatory Endorsement. To obtain an endorsement, students must fulfill the diploma requirements listed on the previous page and the additional requirements listed below:

College and Career Preparatory Endorsement

Mathematics must include Algebra II/Trig	Total of 4 Credits
Science must include Chemistry	Total of 4 Credits
World Language must include 2 credits of same world language	Total of 2 Credits
Advanced Placement (AP) or Dual Enrollment	Total of 2 Credits
Total Diploma Credits	26

College and Career Preparatory with Honors Endorsement

Mathematics must include Algebra II/Trig	Total of 4 Credits
Science must include Chemistry	Total of 4 Credits
World Language must include 2 credits of same world language	Total of 2 Credits
Advanced Placement (AP)	Total of 5 Credits
Total Diploma Credits	26

Class Rank and Graduation Recognition Requirements

Class Rank

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.

Latin Academic Honors

Eligibility for Latin 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 for Latin Academic Honors.

The Latin Academic Honors designations shall be awarded as follows:

- Summa Cum Laude (with highest honors) 4.20 and higher
- Magna Cum Laude (with high honors) 4.0-4.1999
- Cum Laude (with honors) 3.8-3.9999

Top Ten Percent

The top ten percent (10%) of students based on weighted GPA who have earned the College and Career Preparatory Endorsement or the College and Career Preparatory with Honors Endorsement will be recognized at graduation.

Diploma Seals

Diploma seals include the **Academic Seals of Excellence** and the **Seal of Biliteracy**

Academic Seals of Excellence are awarded in three areas: Career and Technical Education, STEAM, and Fine Arts. Students pursuing one or more of these seals will complete the GSHS graduation requirements in addition to the specialty area requirements.

The Seal of Biliteracy is a nationally recognized honor that signifies that a student is biliterate as evidenced by a student's successful performance on a national exam in English and a national exam in one other world language.

The Academic Seals of Excellence and the Seal of Biliteracy are outlined in the next several pages of this guide.

The Gulf Shores High School Seal of Excellence in Career and Technical Education

Students who choose to pursue the GSHS Seal of Excellence in Career and Technical Education will complete all of the Gulf Shores High School graduation requirements while simultaneously completing a challenging and enriching selection of additional CTE requirements. These requirements will provide students with a solid foundation of knowledge and experiences to help prepare them for post-secondary careers and training/education. These students will be recognized at their high school graduation, their diploma will receive a stamp indicating the Seal of Excellence, and this information will be included on their official transcripts.

Criteria for 2022 Cohort and Beyond

1. Student must have a 3.0 unweighted GPA overall.
2. Student must complete three courses in the area of concentration with at least an A or B in all three courses.
3. Student must complete ONE of the following:
 - Pass the appropriate industry-recognized certification/credential in the area of concentration.
 - Complete a Dual Enrollment course in the area of concentration.
 - Complete the Alabama State Fire College VFF-160 Block Test (fire science students only).
4. Student must participate for three or more years in the area-related student organization and be in good standing, as determined by the club sponsor:
 - HOSA
 - FCCLA
 - FFA
 - FBLA
 - Sports and Entertainment Marketing Club
 - Robotics/Electronics Club
 - NJROTC
 - Environmental Conservation Club
 - 911 Club.

Department teachers will provide forms to document participation and good standing in student organizations.

5. Student must complete an approved Capstone Project during *junior* year and pass the committee review by the established deadline. Capstone Project details will be provided by the teacher(s) in each specialty area.
6. Student must complete the required application by the established deadline.
7. Student must pass the committee review after all documents have been submitted senior year.

Areas of Concentration for 2021 Cohorts and Beyond

Engineering and Computer Science

Health Science

Gulf Coast Sustainability: Agriculture or Gulf Coast Sciences

Public Safety and Service: Fire Science

Business and Marketing

Hospitality and Tourism: Culinary Arts or Resort and Hotel Management Government and

Public Administration: NJROTC

Aviation

The Gulf Shores High School Seal of Excellence in STEAM

Students who choose to pursue the GSHS Seal of Excellence in STEAM (science, technology, engineering, art, and math) will complete all the Gulf Shores High School graduation requirements while simultaneously completing a challenging and enriching selection of additional STEAM requirements. These requirements will provide students with a solid foundation of knowledge and experiences to help prepare them for post-secondary STEAM pursuits. These students will be recognized at their high school graduation, their diploma will receive a stamp indicating the Seal of Excellence, and this information will be included on their official transcripts.

Criteria for 2022 Cohort and Beyond

1. Student must have a 3.5 unweighted GPA in the required courses*.
2. Student must have a 26 ACT STEM Score (average of math & science scores only).
3. Student must complete an approved Capstone Project during his/her *junior* year and pass the committee review by the established deadline.
4. Student must complete the required application, including three recommendation forms from area teachers/mentors, by the established deadline.
5. Student must pass the committee review after all documents have been submitted senior year.

***Seal of Excellence in STEAM Required Courses**

Required Science Courses (Two must be AP courses.)

- Honors Biology
- Honors Chemistry
- AP Chemistry
- AP Physics
- AP Biology
- AP Environmental Science

Required Technology & Engineering Courses (One must be an AP course.)

- Foundations of Engineering—10th
- Principles of Engineering
- AP Computer Science Principles
- AP Computer Science A
- Robotics/Digital Electronics IT Fundamentals

Required Math Courses (Two must be AP courses.)

- Honors Geometry
- Algebra II w/Trig Pre-Cal
- AP Stats
- AP Cal AB

The Gulf Shores High School Seal of Excellence in Fine Arts

Students who choose to pursue the GSHS Seal of Excellence in Fine Arts will complete all the Gulf Shores High School graduation requirements while simultaneously completing a challenging and enriching selection of additional Fine Arts requirements. These requirements will provide students with a solid foundation of knowledge and experiences to help prepare them for post-secondary Fine Arts pursuits. These students will be recognized at their high school graduation, their diploma will receive a stamp indicating the Seal of Excellence, and this information will be included on their official transcripts.

Criteria for 2021 Cohort and Beyond:

1. Student must have a 3.0 unweighted GPA overall.
2. Student must earn four fine arts credits from the course listing below and receive an A or B in each of the courses. **Audit students are not eligible for this honor.**

- Band, Choir/Chorus, Guitar, and/or Music Technology
- Visual Arts and/or AP Studio Art
- Drama
- Any combination of the courses listed above

3. Student must participate in two approved fine arts-related extracurricular activities. This is defined as something outside of the school day that requires extra commitment. Examples include:

Band - Try Out for All-State

Band - Make District Honor Band

Band - Section Leader/Drum Major/Captain

Band - Small Ensemble Performance (student created and led)

Band - Taking Weekly Private Lessons for full semester

Band - Other specific activity approved by Band Director

Band Section Leader/Drum Major

Leadership team in band, chorus, drama or visual arts

Annual Coastal Community College High School Art Competition

Annual VFW National Patriotic Student Art Competition

Publication in Celebrating Art Book Creating artwork for school and community

Scholastic National Art Contest submission with recognition

Shrimp Fest Youth in Art and/or Vocal/Instrument competition participant

Annual Alabama State Superintendent Fine Arts Competition with selected and/or recognized submission

Drama Club

Tutoring middle school and/or fellow high school student

Taking private lessons

Community event performances

Musical or theatre involvement

Teacher prep assistance

Volunteering to perform at local nursing home

Perform on the District level at Trumbauer

Perform, direct, or produce in a theatre production on or off campus.

Other: Must be approved by Fine Arts Committee

Department teachers will provide forms to document participation in extracurriculars.

4. Student must obtain 20 hours of approved community service related to the arts. Practice time for community performances, in addition to director service hours, qualifies as community service. Students will account for a minimum of 20 hours. Department teachers will provide the appropriate forms for documentation.

5. Student must complete a Capstone Project during the senior year and pass the committee review. The Capstone Project must be a 2-5-minute video presentation regarding the student's experiences in the fine arts programs at Gulf Shores High School. It must include how the student sees fine arts impacting his/her life in the future. PowerPoint with a voiceover, pictures with a voiceover, or standard/creative video may be used. Be creative! Email the Capstone Project to gulfshoreshighfineartsdepartment@gmail.com by the designated deadline.

6. Student must complete the required application, including recommendation and documentation forms by area teachers/mentors, by the designated deadline.

The Gulf Shores High School Seal of Biliteracy

Purpose and Rationale

- The purpose of the Seal of Biliteracy is to:
- Encourage students to develop biliteracy skills.
- Encourage the development of world language instruction in all of our schools.
- Recognize and honor our rich and diverse language and cultural assets.
- Provide employers with a method for identifying biliterate candidates.

Gulf Shores City Schools recognizes the importance of mastery of two or more languages. Biliteracy can contribute to a student's cognitive development, an understanding of diverse cultures, and career opportunities. Furthermore, the study of world languages can provide a skilled workforce which supports our national economy and our national security.

Communication in multiple languages is a critical element in enabling our students to participate effectively in a global political, social, and economic context. Gulf Shores City Schools hopes to build trust and understanding across languages and cultural groups in our diverse community through multilingual communication and literacy skills. Therefore, it is the intent of our district to promote the development of literacy in two or more languages and to provide recognition for the attainment of those skills.

The Seal of Biliteracy on high school diplomas and transcripts recognizes students attaining functional proficiency in one or more languages in addition to English. These students will be recognized at their high school graduation, their diploma will receive a stamp indicating the Seal of Biliteracy, and this information will be included on their official transcripts.

Seal of Biliteracy Criteria for 2020 Cohort and Beyond

1. Complete application for Seal of Biliteracy by March 20 of senior year.
2. Schedule and sit for required examinations as identified below.
3. Earn a qualifying score in the examinations identified below.

English Language Proficiency

Students must meet one of the following criteria for English language proficiency:

- ACT ELA Composite Score of 20 or higher (Writing-English-Reading only)
- WIDA ACCESS 2.0 Composite Score Level of 4.8 or higher (English Language Learners only; must be taken prior to senior year.)
- AAPPL score of Intermediate Mid 3 (I-3) or higher in each of the four components (Interpersonal Listening/Speaking, Presentational Writing, Interpretive Reading, and Interpretive Listening).

World Language Proficiency

Students must meet one of the following criteria for proficiency in a language other than English:

- AP score of 3 or higher (Must be taken prior to senior year.)
- AAPPL score of Intermediate Mid 3 (I-3) or higher in each of the four components (Interpersonal Listening/Speaking, Presentational Writing, Interpretive Reading, and Interpretive Listening).

Academic Programs and Procedures

Advanced Placement (AP®) Courses

The Advanced Placement program is a nationally recognized program sponsored by The College Board which enables students to complete college level studies while still in high school and to obtain college placement credit based on their performance on rigorous Advanced Placement examinations. Participation in Advanced Placement programs is often used as one of the criteria for academic scholarships and acceptance into many highly selective colleges. Advanced Placement courses are offered across the curriculum, and students can select specific areas of interest in which to challenge themselves. All Gulf Shores High School AP courses require completion of the AP Exam.

Recommendation: Students with a very strong work ethic who are prepared to begin college-level coursework in the given subject prior to graduation from high school.

Content Distinction: These courses move at a college pace and cover a deep range of content as defined by The College Board that represents the same topics that one would expect to find in freshmen and sophomore level courses at a typical college or university.

Homework Load: These courses require substantial reading and writing assignments outside of class, and students should expect on average at least an additional 30 – 40 minutes of homework per night for each course. **The grade weight for AP courses plus the AP exam is +1.00 quality point (AP exam required for grade weight).**

Advanced Placement (AP) Course Offerings

Biology	Science A	US Government
Calculus AB	English	& Politics
Chemistry	Language &	Physics 1
Computer	Composition	Statistics
Science	English	AP 2-D Art &
Principles	Literature &	Design
AP Computer	Composition	US History

AHSAA

Academic eligibility for participation in sports is governed by the rules of the Alabama High School Athletic Association (AHSAA). Gulf Shores High School is a member of the Alabama High School Athletic Association. Rules set forth by AHSAA govern all eligibility and participation criteria. Rules pertaining to high school athletic eligibility may be found at the AHSAA website. All questions regarding eligibility should be directed to the Athletic Director.

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:

(9) Time Allotment and Credit Requirements for Secondary Schools

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

College and Career Planning

As a companion to this catalog, students have access to Kuder, an online career planning tool. Through this resource, students can create an individual career portfolio that includes a skills and abilities inventory, career exploration, post-secondary educational options, and a high school course planning tool.

Course Selection and Schedule Changes

The master schedule is created each year based on needs and interests of all students. To provide the greatest probability for students to receive requested courses, opportunities are provided and deadlines established to make schedule "changes." In order to maximize staff and provide the smallest class sizes possible, it is important that course selections for the upcoming academic year are finalized by May 8th, 2020. ***No schedule "changes" will be made after this date.*** Schedule "corrections" will only be made for the following reasons: duplication of courses, courses out of sequence, or auditions resulting in placement in required course (i.e. band/athletics). Students who are not successful in course(s) during the regular school year should plan to attend summer school.

- January 2020—Academic Advising for course selection
- February 2020—Students submit course requests
- March 2020—All course requests finalized
- April 2020—Schedules distributed
- **May 8—No schedule changes made after this date**

Dual Enrollment

Dual Enrollment (DE) offers high school students the opportunity to earn college credit while in high school. Participating students may receive both high school and college credit through dual enrollment. Dual Enrollment courses are offered either online or in the traditional classroom setting at the college campus and, in some cases, at Gulf Shores High School. Students who elect to take courses through dual enrollment are responsible for paying tuition directly to the attending college. To complete an application for dual enrollment students must apply and be accepted by the credit granting college. Coastal Alabama Community College, UA Early College and Auburn First Dual Enrollment applications can be found on the respective college's website. For high school credit to be posted to student transcripts an official copy of the Dual Enrollment course grades must be provided to Dr. Neth prior to the close of the academic session. For credit to be awarded at the student's attending university, the student will request their transcript to be sent directly from the college where Dual Enrollment credit was awarded to the attending college. **The grade weight for dual enrollment courses is + 0.50 quality point.**

Grade Classification

For students to be permitted to move to the next higher grade level, the following standards must be met:

- 9th Grade students who have successfully completed middle school.
- 9th to 10th Grade students who have earned six (6) Carnegie units will be classified as tenth graders.
- 10th to 11th Grade students who have earned twelve (12) Carnegie units will be classified as eleventh graders.
- 11th to 12th Grade students who have earned eighteen (18) Carnegie units and are able to complete all graduation requirements within the school year will be classified as twelfth graders.

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. As indicated below, the **weighted GPA Point Scale** adds either 0.5 or 1.0 to the quality point value for the grade earned in the corresponding course.

- Advanced Placement (Requires AP Exam) +1
- Dual Enrollment +.5
- Honors +.5

Grading Scale and GPA Scale

The grading system implemented by Gulf Shores City Schools will reflect student's actual performance in all facets of learning in a specific course. The following grading scale will be used:

Standard	Quality Points (Unweighted)	Honors & Dual Enrollment	AP (must complete AP Exam)
A=90-100	4	4.5	5
B=80-89	3	3.5	4
C=70-89	2	2.5	3
D=60-79	1	1.5	2
F-59 & below	0	0	0

Report cards will be issued at the conclusion of each 9-week grading period. Report card grades will list percentages as well as letter grades. The semester grade will be based on the value of 45% for each nine (9) weeks and 10% for the semester exam.

Honors Level

Honors courses specifically include content and skills that help prepare students for taking an Advanced Placement course in the given subject. These courses will also prepare students for additional advanced level courses.

Recommendation: Students with a strong work ethic who have demonstrated intellectual curiosity in the given subject and who desire to attempt college-level courses before graduating from high school.

Content distinction: These courses cover more challenging topics by moving faster through the content and require more critical thinking and increased workload. The **grade weight for the following honors courses is + 0.50 quality point.**

Honors Course Offerings

Honors Algebra I	Honors World History	Chemistry
Honors Geometry	Honors US History I	Economics
Algebra II/Trig	Honors Biology	Spanish I
Pre-Calculus	Honors Aquascience	Spanish II
Honors English 9	Honors Gulf Coast	Spanish III
Honors English 10	Ecology	Spanish IV

NCAA

Students intending to participate in collegiate athletics at any college or university must seek eligibility status through the NCAA Eligibility Center. Access NCAA Eligibility Center website for guidelines and policies. Parents and students are responsible for reviewing student transcripts and ensuring compliance with NCAA eligibility guidelines.

1. Students transferring from accredited public or non-public schools will have all credits accepted upon receipt of the official transcript(s) without validation. **Students will only be awarded weighted credit for courses offered as weighted courses at Gulf Shores High School.**
2. To allow transfer of credits and/or to determine the appropriate class/grade placement of a student transferring to this system from a non-accredited school, the following shall be implemented: Credit for all elective courses shall be accepted without validation. Credit for core courses of English, mathematics, science and social studies shall be transferred as follows: end-of-course tests, nationally recognized standardized tests, and official school records shall be used to validate credit earned and to determine the most appropriate course and grade placement.
3. For any initial core course the student completes successfully in this system, he/she shall be permitted to transfer, in that subject area, all previous credits earned at a non-accredited school. (Example: Successful completion of eleventh grade English in this system would allow the student to transfer ninth and tenth grade English if completed successfully at the non-accredited school.)
4. In the event of the existence of controversial records/transcripts and/or the absence of any official or notarized records/transcripts, the student shall take placement tests consisting of the Gulf Shores City School's previous semester tests for core courses.
5. All transfer students must pass any required assessments and meet all other requirements for graduation.

For information on grade conversion see Gulf Shores City School Policy 7.3.8
Reference(s): ALA CODE 16-11-9, ALA ADMIN CODE §290-3-1-.02(7) J 2 (K)

Virtual Academy

Gulf Shores Virtual Academy is designed to provide motivated, independent learners an opportunity to earn their Alabama High School Diploma through a flexible, personalized learning experience. Students must complete tests on the Gulf Shores High School Virtual Academy Campus. The virtual academy courses are provided in a format in which all assignments are posted for students via an online learning platform, and timelines are provided for completion of assignments. Students should commit to spend a minimum of 4-5 hours weekly working on assignments and learning in each virtual course. If a virtual academy student is struggling, the Virtual Academy Facilitator will work with the student to complete a plan for success. This plan will include a requirement for the student to report daily to the virtual academy classroom until goals are reached. It is recommended that students interested in virtual classes should have a strong work ethic, read on grade-level, have an ability to work independently, and have a grade point average of 3.0 to be successful in virtual courses.

Virtual Courses

ACCESS (Alabama Connecting Classrooms, Educators, & Students Statewide) is a credit-earning opportunity in which students experience high quality instruction provided through online courses. In addition to state guidelines and procedures, Gulf Shores High School typically utilizes ACCESS under the following conditions:

- Students may take ACCESS courses when the desired face-to-face course is not offered on campus.
- Students may take ACCESS courses for those previously failed.
- Students may take ACCESS courses to accommodate a preferred learning mode.
- Students may take ACCESS courses to facilitate early graduation or other scheduling needs.
- Transfer students may be placed in ACCESS courses due to space, course needs, or time of enrollment.

College Preparatory and Career Academies

Gulf Shores High School offers a number of college preparatory and career academies in a variety of areas to prepare students for postsecondary educational opportunities such as Ivy League universities, military academies, state universities, private colleges, community colleges, and technical schools. The academies equally prepare students who desire to enter the military or workforce directly from high school. It is our intention that students are exposed to a variety of academic and career opportunities so that they can find their passion and be prepared to participate in our community as productive and responsible citizens. The academies are outlined on the next several pages of this guide.

Applied Design College Preparatory Academy

The Applied Design College-Preparatory Program is:

- A four-year educational program in which all courses are infused with design-thinking and rigorous and engaging hands-on experiences.
- A cohort-based learning model that promotes community, cohesion, and a culture of excellence.
- An authentic and transformative learning environment that encourages students to maximize their potential by engaging in meaningful project-based learning experiences, independent study, Advanced Placement courses, and internship opportunities.
- A focused curriculum in STEAM (science, technology, engineering, arts, and mathematics) with enhanced elective offerings designed to provide a strong educational foundation that will prepare students for success in a variety of career paths.

Student applicants should be prepared for a challenging, rigorous, and extremely rewarding high school experience that includes a capstone project and presentation. Students in the Applied Design College-Preparatory Program will attend a one-week summer academy (orientation) and complete summer assignments and community service. Students will be offered regular field trips, guest lecturers, and special events to explore and connect with the curriculum, community, and potential career fields. Students will also be offered personalized guidance via college and career exploration. Students will receive instruction from teachers who have been trained in AP and STEAM and will instruct them in the corresponding classes.

Applied Design Program Progression

Freshman Courses

- Honors English 9
- Honors Biology
- Honors Geometry
- AP World History
- Spanish 1 or 3
- Design Thinking

Sophomore Courses

- Honors English 10
- Honors Chemistry
- Honors Algebra II/Trig
- AP European History
- Spanish 2 or 4
- AP Computer Science Principles

Junior Courses

- AP English Language and Composition
- AP Biology or AP Chemistry
- Pre-Calculus
- AP US History
- Elective Choice*
- STEAM Seminar with Capstone Project

Senior Courses

- AP English Literature and Composition
- AP Physics or AP Biology or AP
- Environmental Science
- AP Stats or AP Calculus
- AP Government and Honors Economics
- Elective Choice*
- Designing for the Gulf Coast

***Elective Courses:**

Choices: Anatomy, Honors Ecology, Honors Aquascience, Marine Biology, Honors Gulf Coast Ecology, Art, Theatre, Culinary, Hospitality and Tourism, Music Technology, Environmental Management, Horticulture, Psychology, Spanish 3 or 4 (additional electives available—see Course Catalog)

Applied Design Admission Requirements

For school year 2020-2021, students will be able to enter as rising freshmen only.

Students seeking admission to the Applied Design College-Preparatory Program must meet the following requirements to be considered:

- Completed online application
- Minimum of 3.5 minimum overall unweighted GPA in all courses with a grade no lower than a B average in any science, math, English, and social studies class in the 7th and 8th grades (first semester of 8th grade will be considered, not the full year)
- Teacher recommendations from three of student's current core teachers: math, science, social studies, English Language Arts
- In-person writing sample
- Interview

The Applied Design College-Preparatory Program Admissions Committee will also consider the following during the selection process:

- Standardized test scores
- Discipline record
- Attendance record

College and Career Academies

The Gulf Shores High School College and Career Academies seek to prepare all students for post-secondary education and career through a collaborative approach by increasing student engagement, achievement, and leadership skills via rigorous and relevant curriculum, hands-on experiences, and personalized college and career exploration.

There are currently 9 college and career academies, all of which offer rigorous and relevant coursework. Students will also have the opportunity to complete a College and Career Readiness Indicator (CCRI) in their chosen programs that may lead to industry certification. The focus of the academies is a hands-on approach to learning.

Aviation Academy

The Aviation program offers students comprehensive four-year aviation study options that are aligned to rigorous math and science standards.

Student Organization: Aviation Club

Certification: Federal Aviation Administration's Part 107 Remote Pilot Knowledge Test or Federal Aviation Administration's Private Pilot written exam

Courses:

- Launching into Aviation I
- Exploring Aviation & Aerospace
- Introduction to Flight
- Aircraft Systems and Performance
- The Flying Environment
- Flight Planning or UAS Operations

Business and Marketing Academy

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

Student Organizations: FBLA and Sports and Entertainment Marketing Club

CCRIs: Microsoft Office Suite, Adobe Photoshop, Adobe Illustrator

Courses:

- Business Essentials
- Marketing Principles
- Sports & Entertainment Marketing
- Advanced Sports & Entertainment Marketing
- CTE Lab in Marketing (Video Production)
- Apprenticeship

Engineering and Computer Science Academy

Engineering is designed to offer students an overview of the engineering profession and fundamental skills utilized in general engineering. Students investigate various engineering disciplines and related career paths. They develop communication and teamwork skills as well as increase their understanding of basic scientific and mathematics principles used in problem solving through the engineering design process. Students will also explore the application of engineering principles in various technological areas including construction, transportation, communication, manufacturing, and bioengineering. Students will also learn about systems involved in the engineering research and design process. Topics include fluid, thermal, mechanical, and electrical systems.

Computer Science is for students who are interested in careers that involve designing, implementing, and maintaining computer systems and software for desktop and web-based applications. Courses provide an overview of the knowledge and skills required in computer operating systems, programming languages, and software development.

Student Organization: BEST Robotics Club

CCRIs: Drone Pilot Certification (pending approval), Microsoft Technology Associate

Courses:

Engineering

- Foundations of Engineering
- Engineering Applications
- Introduction to Robotics
- Robotics Applications

Computer Science

- IT Fundamentals
- AP Computer Science Principles
- AP Computer Science A

Fine Arts Academy

Student Organizations: Art Club, Verisimilitude: GSHS's Literary Arts Journal, GSHS Podcast
CCRIs: DE MUS 101, AP Studio Art

Courses:

Music

- Marching Band
- Concert Band
- Percussion
- Color Guard
- Guitar
- Chorus
- Choral Arts
- Audio Tech I
- Audio Tech II
- Dual Enrollment MUS 101
- A/V Internship

Theatre

- Theatre I
- Theatre II
- Theatre III

Visual Arts

- Visual Arts I
- Visual Arts II
- Visual Arts III
- Visual Arts IV
- AP Studio Art

Government and Public Administration Academy

Navy JROTC

This program's purpose is to motivate high school students and teach them the value of citizenship, leadership, service to community, personal responsibility and a sense of accomplishment while instilling in them self-esteem, teamwork and self-discipline.

Student Organization: Navy JROTC

CCRI: NJROTC National Certificate of Achievement

Courses:

- Naval Science I: Introduction to the US Navy
- Naval Science II: Maritime History, Leadership, and Nautical Sciences
- Naval Science III: Naval Knowledge and Skills
- Naval Science IV: Advanced Leadership
- Naval Leadership Lab and Drill
- Senior Career Pathway Project

Gulf Coast Sustainability Academy

Agriscience: Plant Systems

This program is designed to provide students with an understanding of the greenhouse, horticulture, and nursery/landscape industries.

Gulf Coast Sciences

This program provides hands-on learning opportunities and rigorous coursework that focuses on our unique Gulf Coast region.

Student Organization: Future Farmers of America, Environmental Conservation Club
CCRIs: Urban Forestry, Landscape Management Technician, AP Environmental Science

Courses:

Agriscience Plant Systems -

- Agriscience
- Horticulture Science
- Greenhouse Production & Management
- Landscape Design & Management
- Urban Forestry
- Ag. Electives
- Career Tech Lab

Gulf Coast Sciences -

- Biology
- Physical Science
- Aquascience or Marine Biology
- Gulf Coast Ecology

Gulf Coast Sciences Honors Pathway -

- Honors Biology
- Pre-AP Chemistry
- Honors Aquascience or Honors Gulf Coast Ecology
- AP Environmental Science

Health Science Academy

The Health Science Academy 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.

Student Organization: HOSA
CCRIs: Emergency Medical Responder, Emergency Medical Technician

Courses:

- Foundations of Health Science
- Human Body Structures
- Anatomy
- Sports Medicine Fundamentals
- Sports Medicine Intermediate
- Sports Medicine Advanced
- Dual Enrollment EMS 118
- Internship

Hospitality and Tourism Academy

Culinary Arts

Culinary Arts 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.

Resort and Hotel Management

Resort and Hotel Management focuses on the knowledge and skills required to pursue staff and management workforce positions within the hotel industry. Hotel and Resort Management curriculum includes departments within a hotel such as: front desk, food and beverage, housekeeping, maintenance, human resources department, and accounting. Guest Service skills focuses on communication, leadership, time management, teamwork, problem solving, critical thinking and professionalism. Within this pathway, students can pursue a national sanitation certification and industry certification.

Student Organization: FCCLA

CCRIs: ServSafe Manager, ProStart National Certificate, Certified Hospitality and Tourism Professional

Courses:

Culinary Arts

- Hospitality & Tourism
- Culinary I
- Culinary II
- Baking & Pastries
- Dual Enrollment CUA 125
- Entrepreneurship in FACS
- Event Planning
- Apprenticeship in Culinary Arts or Restaurant Management

Resort and Hotel Management

- Hospitality & Tourism
- Lodging I
- Lodging II
- Entrepreneurship in FACS
- Event Planning

Apprenticeship

Public Service and Safety Academy

This program is for students who are interested in pursuing careers in emergency and fire management services. Courses provide an overview of careers in firefighting, emergency medical profession, and specialized public service jobs.

Student Organization: 911 Club

CCRIs: Emergency Medical Responder, Emergency Medical Technician

Courses:**Fire Science**

- Principles of Public Service
- Introduction to Fire Science
- Fire Fighting
- Emergency Services

Course Descriptions

English Language Arts

English 9

#200005

#200006 Honors English

The purpose of this course is to expose students to a variety of fundamental learning opportunities that focus on the development of literature appreciation through critical thinking strategies, grammar enhancement, communication building, reading proficiency, writing analysis, and oral presentation skills. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required. **Honors English 9 students will study all content standards with increased rigor and expand upon learning with advanced level course material and assignments.**

English 10

#200009

#200010 Honors English 10

Course covers Early American Literature (pre-1900) through reading, writing, grammar, and vocabulary activities. In addition, students will interact with expository texts frequently. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required. **Honors English 10 students will study all content standards with increased rigor and expand upon learning with advanced level course material and assignments. The advanced literary analysis of reading, as well as advanced composition will prepare students for Advanced Placement English Language or Advanced Placement English Literature.**

English 11

#200013

Contemporary American Literature (1900-present) will be analyzed with strong emphasis on writing styles. Vocabulary expansion, comprehension, and word recognition are emphasized in reading activities. This course coordinates literature, composition, grammar, and vocabulary through representative readings from historical documents, essays, dramas, short stories, and novels of significant American writers. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required.

Advanced Placement English Language and Composition

#200016

This course is accelerated in rigor and pace like that of a college level course. It provides skills for rhetorical analysis of writings, as well as advanced composition (portfolio, essays and on-demand assignments). It is designed for advanced readers and writers who are eager to examine the use of language in depth. Summer reading is required. This course fulfills the English 11 core requirement. **Participation in the national AP test is a mandatory component in the rigor of this course and for the +1 weight.**

English 12

#200017

This course is a survey of classical British Literature from the Anglo-Saxon period to the Modern Age. In addition, students will explore and analyze expository text and engage in critical listening, speaking, reading, and writing activities designed to integrate the strands of the language arts and further develop thinking and problem-solving abilities. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required.

Advanced Placement English Literature and Composition

#200020

Prerequisite: English 11 or AP Language and Composition

This course is accelerated in rigor and pace like that of a college level course. It provides skills for analysis of literature, as well as advanced composition. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required. This course fulfills the English 12 core requirement. **Participation in national AP test is a mandatory component in the rigor of this course and for the +1 weight.**

Reading Intervention

#200016

Remediation course that allows students to improve foundational reading skills, improve reading deficiencies, and improve skill acquisition.

Mathematics

Algebra I

#21005ac

#210006 Honors Algebra

Students study all the content standards in the Alabama Course of Study for Algebra. Students will demonstrate an understanding of the following Algebra domains: Seeing Structure in Expressions, Arithmetic with Polynomials and Rational Expressions, Creating Equations, and Reasoning with Equations and Inequalities. **Honors Algebra students will study all content standards with increased rigor and expand upon learning with advanced level course material and assignments.**

Geometry

#210010

#210011 Honors Geometry

Prerequisite: Algebra I

Students study all the content standards in the Alabama Course of Study for Geometry. Students will demonstrate an understanding of the following Geometry domains: Congruence; Similarity, Right Triangles, and Trigonometry; Circles; Expressing Geometric Properties with Equations; Geometric Measurement and Dimension; and Modeling with Geometry. **Honors Geometry students will study all content standards with increased rigor and expand upon learning with advanced level course material and assignments.**

Algebraic Connections

#210015

Prerequisites: Algebra I and Geometry

Algebraic Connections is a course designed for students who wish to increase their mathematical knowledge and skills prior to enrollment in the Algebra II course or the Algebra II with Trigonometry course. Algebraic Connections expands upon the concepts of Algebra I and Geometry, with an emphasis on application-based problems.

Algebra II

#210016

Prerequisites: Algebra I and Geometry

Students will study all the content standards in the current Alabama Course of Study for Algebra II. Algebra II is a course designed to extend students' algebraic knowledge and skills. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of mathematics. To help students appreciate the power of algebra, application-based problems are incorporated throughout the course. Algebra II does not contain trigonometry content and although it does meet the graduation requirements for the Alabama High School Diploma the course does not prepare students for higher-level mathematics courses such as Pre-Calculus.

Algebra II with Trigonometry

#210017

Prerequisites: Algebra I and Geometry

Students will study all the content standards in the current Alabama Course of Study for Algebra II with Trigonometry. Although this course is valuable for all students, it is strongly recommended for students who intend to pursue postsecondary studies. Algebra II with Trigonometry is a course designed to extend students' knowledge of Algebra I by extending and advancing algebraic concepts and trigonometric content. Quadratic equations function graphing, systems of equations and inequalities, and trigonometry are topics expanded in this course. Complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics and probability topics include determination of regression line and application of counting principles. Completion of Algebra II with Trigonometry is required for student advancement into higher-level mathematics such as Pre-Calculus.

Precalculus

#210020

Prerequisite: Algebra II/Trig

This is a college-preparatory course with a rigorous intensity and pace intended for highly motivated students who have successfully completed Algebra II with Trigonometry. Students will study all the content standards in the current Alabama Course of Study for Pre-Calculus. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Precalculus content standards. Parametric equations, polar relations, vector operations, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, conic sections, trigonometric functions, and logarithmic and exponential functions. Application-based problem solving is an integral part of the course. This course is a prerequisite for AP Calculus and considered paramount for success in college mathematics.

Algebra with Finance

#210036

Algebra with Finance is 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. Math concepts and skills are applied through study and problem-solving activities in workforce situations in the following areas: banking, investing, employment and income taxes, automobile ownership and operation, mathematical operations, consumer credit, independent living, and retirement planning and budgeting. **Prerequisites: Algebra I and Geometry**

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) Calculus AB

#210025

Prerequisite: Precalculus

This Advanced Placement course is accelerated in rigor and pace. This course develops students' understanding of the concepts of calculus and provides experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. It includes limits and continuity, derivatives and their applications, integration, applications of definite integrals, Fundamental Theorem of Calculus, defined curves, polar curves, and vector-valued functions. AP Calculus AB develops additional integration techniques and applications; and introduces the topics of sequences and series. **Participation in the national AP exam is a mandatory component in the rigor of this course and required for +1.0 weight.**

Advanced Placement (AP) Statistics

#210027

Prerequisite: Algebra II with Trigonometry

This Advanced Placement course is accelerated in rigor and pace. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four conceptual themes: observing patterns by exploring data, deciding what and how to measure in planning study, producing models using probability theory and simulation, and making statistical inferences from models. Students should expect an intensive course requiring the use of a graphing calculator. There will be applications of concepts through written work. **Participation in the national AP exam is a mandatory component in the rigor of this course and required for +1.0 weight.**

Advanced Placement (AP) Computer Science Principles

#520018

Prerequisite: Algebra II with Trigonometry

This Advanced Placement course is accelerated in rigor and pace. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science. This course is designed to introduce students to the seven central ideas of computing and computer science. The content is focused on creativity, abstraction, algorithms, programming, big data, Internet/networking, and societal impact. Throughout the course there will be a significant amount of research, writing, and programming. **Participation in the national AP test is a mandatory component in the rigor of this course. The AP exam consists of two parts –multiple choice exam and a portfolio.**

Advanced Placement (AP) Computer Science A

This advanced placement course is accelerated in rigor and pace. Program for computer science; emphasized object-oriented programming methodology with a concentration on problem-solving and algorithm development also includes an in-depth student of JAVA. **Participation in the national AP test is a mandatory component in the rigor of this course.**

Mathematics Intervention
#210033

Allows students to improve foundational math skills and remediate in areas of weakness. This course is a mathematics elective and does not fulfill one of the four required mathematics courses required for graduation.

Science

Biology

#220011

#220012 Honors Biology

Biology introduces students to the vast diversity of organisms and the characteristics that define life. Units include biodiversity, cells, interdependence, genetics, and evolution. Inquiry based laboratory work is required. This course meets the biology graduation requirement. **Honors Biology is an accelerated course designed to prepare students for Advanced Placement Biology and other advanced level science courses. The curriculum is compacted and requires a more in-depth independent study of topics not usually found in the regular classroom.**

Physical Science

#220051

Physical Science is a conceptual, inquiry-based course that provides students with an investigation of the basic concepts of chemistry and physics. Students use evidence from their own investigations as well as the investigations of others to develop and refine knowledge of core ideas. Scientific facts, concept, principles, theories, and models that are important for scientific literacy are addressed. the standards provide a depth of conceptual understanding that will adequately prepare them for college, career, and citizenship with an appropriate level of scientific literacy. This course meets the physical science graduation requirement.

Chemistry I

#220062

Prerequisite: Algebra I

Corequisite: Algebra II with Trigonometry

This course focuses on the composition, structure, and behavior of matter. Due to the emphasis on advanced problem-solving, incorporating algebraic skills, and a variety of laboratory activities, it is highly recommended that students have earned a “B” or higher average in Algebra I. Due to the high-level mathematics skills needed for success students are strongly encouraged to complete Chemistry I in conjunction with Algebra II/Trig. If a student has taken Algebra IA and IB it is recommended they take Physical Science before taking Chemistry I to ensure success in Chemistry. It has been generally noted that students with less than a B in Algebra and students who are not taking or have not taken Algebra II/Trig struggle more with the math in Chemistry I and encouraged to take Physical Science to establish foundation in science computation. This course meets the physical science graduation requirement.

Gulf Coast Ecology

#220029

#220030 Honors Gulf Coast Ecology

Prerequisite: Biology and Physical Science or Chemistry I are recommended

Focuses on the study of ecological principles and their application to field studies and human interaction. Students will learn how certain current trends, such as population growth, water pollution, and depletion of natural resources affect the ability of the human population to sustain itself. Discussion and hands-on learning will focus on our environmentally unique Gulf Coast region. Students will be encouraged focus on the ways to utilize and modify these area trends to benefit civilization. **Honors Gulf Coast Ecology is an accelerated course designed to prepare students for advanced level science courses. The curriculum is compacted to provide more time for the in-depth study of current topics and presentation of additional topics not usually found in the regular classroom.**

Aquascience

#220044aa

#220044ab Honors Aquascience

Prerequisite: Biology and Physical Science

This course introduces students to the technical and practical applications associated with aquaculture, aquarium science, fisheries, and environmental science. Students are exposed to the physical, biological, and chemical aspects associated with these concepts and skills. Students will participate in both classroom and greenhouse activities and utilize our proximity to the Gulf of Mexico, Mobile Bay, and the River Delta for hands-on experiences. **Honors Aquascience curriculum is compacted and requires a more in-depth independent study of topics not usually found in the regular classroom. *ALSDE waiver required.**

Marine Science

#220040

Prerequisites: Biology and Physical Science

This course is a study of the marine environment (oceanography), marine diversity (survey of plants and animals), and marine ecology. Students will apply concepts and applications from biological and physical sciences to analyze and evaluate the impacts made on and by the ocean and all that it encompasses.

Zoology

#220044

Zoology is the branch of biology that deals with animals and animal life, including the study of the structure, physiology, development, and classification of animals. Zoology expands upon biology with added focus on basic body plans, symmetry, animal taxonomy, and behavior. Students will conduct laboratory investigations that include dissection. ***ALSDE waiver required.**

Advanced Placement Biology

#220014

Prerequisites: Biology and Chemistry

This course will study the core scientific principles, theories, and processes that govern living organisms and biological systems. Students will design experiments and procedures to test a prediction or theory; collect and analyze data; interpret data to draw conclusions; and develop and support scientific claims with evidence. Students are expected to do a great deal of independent study as course is compacted and work outside of class is required. Optional practice and resources are provided to all students to encourage students to do the work necessary to be successful in the class. Lab work is an integral part of the course. Biology topics stipulated by the College Board will be covered in depth. For additional information, visit [College Board's class description](#). **Participation in national AP test is a mandatory component in the rigor of this course and for the +1.0 weight.**

Advanced Placement Chemistry

#220064

Prerequisite: Chemistry PreAP or Chemistry I

This course is the equivalent of the first two inorganic college chemistry classes. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics are presented in considerable depth. Students are expected to do a great deal of independent study as course is compacted and work outside of class is required. Optional practice and resources are provided to all students to encourage students to do the work necessary to be successful in the class. Lab work is an integral part of the course. Chemistry topics stipulated by the College Board will be covered in depth. For additional information, visit [College Board's class description](#). **Participation in national AP test is a mandatory component in the rigor of this course and for the +1.0 weight.**

Advanced Placement Physics I

#220057

Prerequisites: Chemistry I, and Algebra II with Trigonometry Co-requisite: Precalculus

This course is designed to teach the concepts from the Algebra-Based Advanced Placement Physics 1. This course focuses on the big ideas of physics, which encompass core scientific principles, theories, and processes of the discipline. The framework encourages instruction that allows students to make connections across domains through a broader way of thinking about the physical world. This is an accelerated paced course taught on a high math level designed to prepare students to move onto AP Physics C Mechanics or Electricity & Magnetism. A strong background in math is recommended. **Participation in national AP test is a mandatory component in the rigor of this course and for the +1 weight.**

Social Sciences

World History: 1500 to Present

#230013

#230014 Honors World History: 1500 to Present

World History examines 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. Students will use critical thinking skills and analysis to understand the global interdependence and the connections among the different peoples in the world as they analyze the causes and consequences of world events as they relate to the modern world. **Honors World History is compacted and requires a more in-depth independent study of topics not typical of a non-honors course**

United States History I: Beginnings to the Industrial Revolution

#230016

#230017 United States History Honors

US History I examines a 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 encompasses a study of five centuries of social, economic, geographic, and political development in the United States. **Honors US History I is compacted and requires a more in-dept independent study of topics and will include advanced level analysis and essay writing to move beyond the basic acquisition of facts.**

United States History II: The Industrial Revolution to the Present

#230019ab

US History II examines 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. The course begins with the post-Reconstruction United States and its shift into a more industrialized society and continues through the 20th century to the present.

Advanced Placement (AP ®) United States History

#230022

Advanced Placement United States History involves an intensive study of the major themes of American history. Accelerated in rigor and pace, emphasis will be placed on learning to deal analytically with the social, economic and political issues of American's past. Techniques of historical research and writing are emphasized, and students should expect extensive outside of class work. 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. **Participation in national AP test is a mandatory component in the rigor of this course and for the +1 weight.**

**United States Government
#230041**

US Government is a 0.5 credit course and is typically paired with Economics to fulfill the senior history requirement. United States Government investigates the origins, functions, and branches of US government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; and foreign policy. This course also focuses on the nature and theory of civic responsibility, virtue, and participation.

**Economics
#230051**

#230052 Honors Economics

Economics is a 0.5 credit course and is typically paired with US Government or Advanced Placement Government (Honors Economics). The course examines 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; and the role of Federal Reserve Bank. **Honors Economics is compacted and requires a more in-dept independent study of topics and will include advanced level analysis and essay writing to move beyond the basic acquisition of facts.**

**Advanced Placement United States Government and Politics
#230047**

Advanced Placement United States Government and Politics involves an intensive study of political science concepts and political theories. Accelerated in rigor and pace, this course is designed to give students critical perspective on government and politics within the United States. 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. **Participation in national AP test is a mandatory component in the rigor of this course and for the +1 weight.**

Electives

Aviation

Launching into Aviation I **#802200**

.5 credit

The ninth-grade course will provide the foundation for advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible.

Students will look at the problem-solving practices and innovative leaps that transformed space exploration from the unimaginable to the common in a single generation. Students will also gain historical perspective, starting from the earliest flying machines and leading to the wide variety of modern aircraft and the integral role they play in making today's world work.

Exploring Aviation and Aerospace **#802200**

.5 credit

Prerequisite: Launching into Aviation I

This core aerospace and aviation course provides the foundation for both pathways. It is designed to give students a clear understanding of career opportunities in aviation and aerospace and the critical issues affecting the aviation system.

Students will also begin to drill down into the various sectors of aviation and the elements that make up the aviation and aerospace ecosystem. They will discover how advances in aviation created a need for regulation and will learn about the promulgation of civil aviation oversight.

Students will explore modern innovations and develop their own innovative ideas to address real-world challenges facing the aviation industry. They will be exposed to a variety of career options in aviation and aerospace and take an in-depth look at the opportunities available. For schools offering multiple pathways, this course will allow students to begin to define their individual interests.

Introduction to Flight**.5 credit****#802200****Prerequisite: Exploring Aviation and Aerospace**

In the Introduction to Flight Course, students pursuing the pilot and UAS tracks will take a closer look at the aircraft they may one day operate. Students will begin with an exploration of the types of aircraft in use today before going on to learn how aircraft are made and how they fly. Students will understand how aircraft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and maneuvering flight. The course will conclude with a focus on career skills related to these topics.

Aircraft Systems and Performance**.5 credit****#802200****Prerequisite: Introduction to Flight**

In the Aircraft Systems and Performance course, students in the UAS and Pilot tracks will take an in-depth look at the systems that make manned and unmanned aircraft work as well as the instrumentation powered by those systems. Beginning with aircraft powerplants and fuel systems, students will learn about the different options available and how they affect aircraft design and performance. They will go on to explore other key aircraft systems, including electrical, pitot-static, and vacuum systems. Throughout, they will learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This unit also covers airplane flight manuals, the pilot's operating handbook, and required aircraft documents. Finally, students will learn about the factors that affect aircraft performance and how to determine critical operating data for aircraft.

The Flying Environment**.5 credit****#802200****Prerequisite: Aircraft Systems and Performance**

This course is foundational for both manned and unmanned aviation, and will prepare students to take either of two Federal Aviation Administration tests: the Private Pilot Knowledge Test or the Part 107 Remote Pilot Knowledge Test. Topics include: pre-flight procedures, airspace, radio communications, aviation phraseology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures.

Flight Planning

.5 credit

#802200

Prerequisite: The Flying Environment

The Flight Planning course will cover remaining topics necessary for students to take the Federal Aviation Administration's Private Pilot Knowledge Test. Students will learn pilot and aircraft qualifications, cross-country flight planning, weight and balance, performance and limitations, human factors, chart use, night operations, navigation systems, and aeronautical decision making. Students will be provided the opportunity to participate in multiple practice examinations. At the end of this course, a school may choose to arrange for students to be signed off to take the Federal Aviation Administration's Private Pilot written exam.

UAS Operations

.5 credit

#802200

Prerequisite: The Flying Environment

The UAS Operations course will cover small unmanned aircraft performance, ethics, human factors, aeronautical decision-making and judgment, safety protocols, weight and balance, maintenance, aviation weather sources and effects of weather (micro-meteorology) on small unmanned aircraft performance, small unmanned aircraft loading and performance, emergency procedures, crew resource management, and preflight inspection procedures. Students will be provided the opportunity to participate in multiple practice examinations. Students will be prepared to complete the Federal Aviation Administration's Part 107 Remote Pilot Knowledge Test upon completion of this course.

Agriculture

Agriscience

#420009

A one-credit foundations course that provides students with a general overview of the Agriculture, Food, and Natural Resources Cluster and pathways. Specific content standards to be included in each course are indicated in the Course of Study chart.

Horticulture Science

#420051

Prerequisite: Agriscience

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

Greenhouse Production & Management

#420054

Prerequisite: Horticulture Science

A one-credit course relating to the production of greenhouse crops. Topics include plant propagation, growing media, plant identification, greenhouse production, pest control, business management, and equipment and facilities.

Landscape Design & Management

#420057

Prerequisite: Horticulture Science

A one-credit course that allows students to become more knowledgeable of landscape design and management. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.

Residential Landscape Establishment & Management

#420059

Prerequisite: Horticulture Science

A one-credit course that focuses on the residential landscape industry. Emphasis is placed on plant nutrition, pest management, plant identification, residential landscape design and maintenance, residential landscape business management, and technology.

Urban Forestry

#420022

Prerequisite: Horticulture Science

A one-credit course designed to enable students to acquire forestry knowledge and skills for an urban setting. Topics include career opportunities, safety, climbing and rigging, urban tree management, and tree disorders.

CTE Lab in Agriculture, Food and Natural Resources

#420078

Prerequisite: Urban Forestry or Landscape Design & Management or Residential Landscape Establishment & Management

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.

Business and Marketing

BTA: Business Technology Applications

#450006

A one-credit foundations course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.

Business Essentials

#450007

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

Marketing Principles

#550011

Prerequisite: BTA or Business Essentials

A one-credit course designed to provide students with an overview of in-depth marketing concepts. Students develop a foundational knowledge of marketing and its functions, including marketing information management, pricing, product and service management, entrepreneurship, and promotion and selling.

Sports & Entertainment Marketing

#550013

Prerequisite: Marketing Principles

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. Students will foster a realistic understanding of the business environment in which marketing activities are performed and develop an understanding and appreciation of business ethics. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Advanced Sports & Entertainment Marketing

#550023

Prerequisite: Sports & Entertainment Marketing

Advanced Sports and Entertainment Marketing is a one-credit specialized course designed to help students gain knowledge and develop skills in determining the economic impact of sports and entertainment events, price setting, research, marketing, positioning, product/service management, and promotion and sales strategies. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Sports and Entertainment Marketing is a required prerequisite for this course.

Social Media Marketing

#550012

Prerequisite: Marketing Principles

Internet Marketing is a one-credit course which focuses on applying tools, strategies and processes to communicate digitally with targeted customers. Emphasis is placed on creating, implementing, and critiquing online advertising, email marketing, websites, social media, mobile marketing, search-engine optimization, video/images and podcasts/webcasts. Students will apply project management techniques to guide and control digital communications efforts. They will also create and repurpose content for use in digital environments. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Video Production

#550025

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.

Computer Science

IT Fundamentals

#520005

A one-credit sophomore course that introduces students to the knowledge base and technical skills for information technology careers. Students study the nature of business and demonstrate knowledge of the functions of information systems in business.

AP Computer Science Principles

#520018

Prerequisite: Algebra II with Trigonometry

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. **Participation in the national AP test is a mandatory component in the rigor of this course. The AP exam consists of two parts – multiple choice exam and a portfolio.**

AP Computer Science A

#520007

Prerequisite: AP Computer Science Principles

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. **Participation in the national AP test is a mandatory component in the rigor of this course.**

Engineering

Foundations of Engineering

#560011

A one-credit course designed to offer an overview of the engineering profession and fundamental skills utilized in general engineering.

Engineering Applications

#560012

Prerequisite: Foundations of Engineering

A one-credit course designed to explore the application of engineering principles in various technological areas including construction, transportation, communication, manufacturing, and bioengineering.

Introduction to Robotics

#540031

Prerequisite: Foundations of Engineering

A one-credit course designed to introduce students to the fundamentals of robotics. The course emphasizes fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of robotic systems.

Robotics Applications

#540032

Prerequisite: Introduction to Robotics

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

Fine Arts

Marching Band

#283102

Marching Band is a performance-based class. 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. **This course satisfies the state course of study for the LIFE PE requirement with SDE approval.**

Concert Band

#283100

Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Percussion

#283112

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 compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Visual Arts I

#286100

This novice level course is the first of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and 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

#286200

Prerequisite: Visual Arts I

This intermediate level course is the second of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how visual arts communicate ideas and 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

#286300

Prerequisite: Visual Arts I and Visual Arts II

This accomplished level course 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 continued exploration and experimentation, this course provides students with a comprehensive study in studio processes, art criticism, aesthetics, and art history to provide a deeper understanding and appreciation of visual arts. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.

Advanced Placement Studio Art Drawing

#280102

The AP Studio Art Drawing portfolio is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. Students will demonstrate knowledge of visual elements and principles of design through a broad interpretation of drawing issues and media which will include skills such as: line quality, light, rendering, composition, surface manipulation and mark making. Media may include, drawing, painting, print making and mixed media. AP Studio Art is a portfolio-based course. AP Studio Art Drawing sets a national standard for performance in the visual arts that contributes to the significant role the arts play in academic environments. College-level advanced course approved by the College Board Advanced Placement (AP) Program for art; portfolio production; demonstrate mastery of drawing in concept, composition, and execution; develop a body of work investigating a visual idea in drawing; variety of concepts and approaches in drawing; and documentation. **Participation in national AP test is a mandatory component in the rigor of this course. This course does not meet the Arts Education requirement.**

Mixed Chorus I **#283600**

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

Mixed Chorus II **# 283700**

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

Mixed Chorus III **#283800**

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

Guitar I **#284100**

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

Guitar II
#284200

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

Music Technology, Audio Technology I
#284601

This proficient level course is designed for examination and exploration of audio technologies. Listening skills will be emphasized through audio editing, recording, and basic sound design for film/video.

Music Technology, Audio Technology II
#284651

This accomplished level course is designed to extend students technical skills and artistry for examination and exploration of audio technologies. Listening skills will be emphasized through audio editing, recording, and basic sound design for film/video to provide a deeper understanding and appreciation of the study of music.

Theatre I
#285100

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

Theatre II
#285200

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

Theatre III **#285300**

This advanced level course continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment. Student will demonstrate concepts and skills on how theatre communicates ideas and allows for self-expression. Students will use their acting talent to refine theatre technique equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. Students will study, write and/or perform scenes and monologues. Students will further study the history of theater and technical theatre.

Theater Independent Study **#285311**

This advanced level course follows Theater III. The course is 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.

Government and Public Administration

Navy JROTC

NJROTC Naval Science I (NS1): Intro to US Navy **#480061**

A one-credit course that provides an introduction to 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.

Navy JROTC Naval Science 2 (NS2): Maritime History, Leadership, and Nautical Sciences **#480062**

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.

Navy JROTC Naval Sciences 3 (NS3): Naval Knowledge and Skills **#480063**

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.

**Navy JROTC Naval Science 4 (NS4): Advanced Naval Leadership
#480064**

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 4b-JROTC
#480069**

This course continues advance 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. Course requires instructor approval and student appointment to leadership role.

**CTE Lab in Government & Public Administration (ROTC Drill)
#480419**

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 prepare for industry credentialing opportunities.

Health, Safety, Physical Education, and Driver Education

Graduation requirements: One and ½ credits to include one credit Life PE (or an approved equivalent) and ½ credit of Health (or an approved equivalent).

**Health
#250002**

This 0.5 credit course will examine the relationship between lifestyle health-related issues, including family issues, environmental health, mental and emotional health, and personal safety. The course will provide students with the fundamental knowledge, concepts, and skills needed to monitor their health status through a program of wellness. This required course is primarily for tenth graders.

**Driver and Traffic Safety Education
#290001**

This course presents in class and on the road behind the wheel experience wherein students learn safe driving theory, driving hazards, boating safety, and safety practices.

Safety**#802200**

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.

Lifelong Individualized Fitness Education P.E., LIFE**#240002**

The focus of this state required course is health enhancing physical activity. LIFE provides the knowledge for a lifetime of healthy living. Through the LIFE course students learn to apply the various aspects of fitness and to assess their own fitness levels. Students are required to develop and maintain an individual level of fitness that forms the foundation for a healthy future. LIFE provides students with the knowledge and ability to construct and implement a lifelong plan for physical activity. LIFE uses a variety of health enhancing physical activities as the vehicle for reinforcing and applying fitness components and principles. This course satisfies the LIFE PE requirement.

Beginning Kinesiology**#240090**

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.

Strength and Conditioning**#240014**

Prerequisite: Beginning Kinesiology

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

Life Sports: Individuals, Dual, and Team (PE)**#240016**

Prerequisite: Beginning Kinesiology

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.

Varsity Athletics

The courses listed below cover the specific technique for the listed sport. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Varsity athletics courses do not satisfy the minimum PE graduation requirements without approved SDE approved athletic waiver.

Varsity Baseball I	240017	Varsity Softball I	240045
Varsity Baseball II	240018	Varsity Softball II	240046
Varsity Baseball III	240019	Varsity Softball III	240047
Varsity Baseball IV	240020	Varsity Softball IV	240048
Varsity Basketball I	240021	Varsity Swimming I	240049
Varsity Basketball II	240022	Varsity Swimming II	240050
Varsity Basketball III	240023	Varsity Swimming III	240051
Varsity Basketball IV	240024	Varsity Swimming IV	240052
Varsity Cheerleading I	240025	Varsity Tennis I	240053
Varsity Cheerleading II	240026	Varsity Tennis II	240054
Varsity Cheerleading III	240027	Varsity Tennis III	240055
Varsity Cheerleading IV	240028	Varsity Tennis IV	240056
Varsity Cross Country I	240029	Varsity Track Field I	240057
Varsity Cross Country II	240030	Varsity Track Field II	240058
Varsity Cross Country III	240031	Varsity Track Field III	240059
Varsity Cross Country IV	240032	Varsity Track Field IV	240060
Varsity Football I	240033	Varsity Volleyball I	240061
Varsity Football II	240034	Varsity Volleyball II	240062
Varsity Football III	240035	Varsity Volleyball III	240063
Varsity Football IV	240036	Varsity Volleyball IV	240064
Varsity Golf I	240037	Varsity Wrestling I	240065
Varsity Golf II	240038	Varsity Wrestling II	240066
Varsity Golf III	240039	Varsity Wrestling III	240067
Varsity Golf IV	240040	Varsity Wrestling IV	240068
Varsity Soccer I	240041	Varsity Bowling I	240074
Varsity Soccer II	240042	Varsity Bowling II	240075
Varsity Soccer III	240043	Varsity Bowling III	240076
Varsity Soccer IV	240044	Varsity Bowling IV	240077

Health Science

Foundations of Health Science

#490007

A one-credit foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills. This course is a prerequisite to all courses in the Health Science cluster.

Human Body Structures

#490015

Prerequisite: Foundations of Health Science

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

Sports Medicine Fundamentals

#490028

Prerequisite: Foundations of Health Science

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

Career and Technical Student Organizations (CTSO) are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Sports Medicine Intermediate

#490025

Prerequisite: Sports Medicine Fundamentals

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

Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Sports Medicine Advanced

#490026

Prerequisite: Sports Medicine Intermediate

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

Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

DE EMS 118

941208

Prerequisite: Foundations of Health and one additional Health Science Academy Course

This course is required to apply for certification as an Emergency Medical Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children, and various EMS operations. This course is based on the NHTSA National Emergency Medical Services Education Standards

Health Science Internship

#490013

Prerequisite: Foundations of Health Science and one additional Health Science Academy Course

A one-credit course focusing on basic knowledge and skills necessary for beginning health care workers. 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 health care 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 reinforces and applies knowledge learned in classroom and laboratory settings.

Hospitality and Tourism

Hospitality and Tourism

#500011

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

Culinary Arts I

#500012

Prerequisite: Hospitality and Tourism

A one-credit course designed to introduce students to basic food production, management, and service activities in both the back and-front of the house. Emphasis is placed on sanitation, safety, and basic food production. The prerequisite for this course is Hospitality and Tourism. A school-based laboratory (commercial food service kitchen with a food serving and dining area) is required for this course.

Culinary Arts II

#500013

Prerequisites: Culinary Arts I

A one-credit course designed to provide students with advanced experiences in food production, management, and service. The prerequisite for this course is Culinary Arts I. A school-based laboratory (commercial food service kitchen with a food serving and dining area) is required for this course.

Baking and Pastry Arts

#500014

Prerequisite: Hospitality and Tourism

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

Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Lodging I**#500031****Prerequisite: Hospitality and Tourism**

A one-credit course designed to prepare students to perform tasks related to the operation of lodging facilities and the care of guests who use these facilities, either through direct guest contact or the provision of background services that enhance the guest experience. The prerequisite for this course is Hospitality and Tourism.

Lodging II**#500032****Prerequisite: Lodging I**

A one-credit course that focuses on the application of basic principles of the hotel and lodging industry. Students develop skills in various functional areas of hotel operation, including front desk operations, guest registrations, housekeeping, convention sales, food and beverage services, and guest services. The prerequisite for this course is Lodging I. A school-based laboratory is required for this course.

Entrepreneurship in FACS**#510008****Prerequisite: Hospitality and Tourism**

This is a one-credit course taught in grades 9-12 that includes the necessary knowledge and skills to own and operate a business. It is the intent of this course that entrepreneurial concepts be incorporated within the framework of family and consumer sciences-related free enterprise experiences within the Human Services Cluster career pathways, Hospitality and Tourism Cluster career pathways, and the Education and Training Cluster career pathways. It is anticipated that the business concepts should be introduced and integrated throughout the free enterprise experience to maximize student interest and impact. The course content focuses on business and financial planning, personnel management, marketing principles, business and labor laws, legal rights and responsibilities of ownership and communication. Other topics to be taught are market research, purchasing process system, distribution systems, warehouse and inventory control, salesmanship, sales promotion, and theft control that influence the flow of goods and services from producer to consumer. Students are prepared to create and manage their own Family and Consumer Sciences business or embark on a career related to business development.

Event Planning

#500015

Prerequisite: Hospitality and Tourism

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.

CTE Lab in Hospitality and Tourism

#500041

Prerequisite: Culinary Arts I or Baking and Pastry Arts or Lodging I or Event Planning

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.

Other Electives

Yearbook

#802202

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 publication 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.

Peer Helper

#802207

Students learn peer helping strategies to provide tutoring and support for fellow students.

Public Safety and Service

Fire Science

Principles of Public Service

#530004

A one-credit course designed to introduce students to the competencies related to public service job preparatory programs. Students develop knowledge and skills in fire management services, legal services, and law enforcement services.

Introduction to Fire Science

#530011

Prerequisite: Principles of Public Service

A one-credit course designed to introduce students to the basic principles and procedures of firefighting. Emphasis is placed on safety, fire behavior, communication equipment, fire extinguishers, structural design, personal protective equipment, ropes and knots, search and rescue, ground ladders, ventilation, fundamentals of a water supply system, fire hose, and water streams.

Fire Fighting

#530012

Prerequisite: Principles of Public Service

A one-credit course designed to provide students with instruction in techniques of firefighting. Emphasis is placed on safety, fire prevention and control, hazardous materials, sprinkler systems, first responder, and public relations. The prerequisite for this course is Introduction to Fire Science.

Emergency Services

#410024

Prerequisite: Principles of Public Service or Foundations of Health Science

A one-credit course that introduces students to the emergency medical profession. Course content emphasizes safety, human structure and function, assessment of emergency clients, ethical behavior, and emergency care procedures.

Essentials/Life Skills Courses

English Essentials 9

700005

English Essentials 10

700006

English Essentials 11

700007

English Essentials 12

700008

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

#750101

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

#750201

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

#750301

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

#750401

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 course & grade.

Essentials I: World History
#700031

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
#700032

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
700033

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
#700034

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
700035

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.

Algebraic Essentials
750601

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

Geometric Essentials

750651

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

Essentials Algebra II

#750701

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

Essentials Algebra II with Trig

#750751

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

Essentials Algebra with Finance

750801

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 I

600301

Transition Services I 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.

**Transition Services Elective
600302**

Transition Services Elective applies to students involved in community-based instruction, pre-vocational experience, and community integration development. This course will address the four-tier system of Alabama's Transition Standard.

Diploma Work Component Requirements provide students with positive learning opportunities in real work settings, based on the interests, skills, and needs of individual students.

AREAS OF STUDY	DIPLOMA SUBSTITUTE COURSES (PER IEP)	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	Algebra I, Geometry, and Algebra II with Trig or Algebra II 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> *Algebraic Essentials A & B and Geometry Essentials A & B (students taking Algebraic Concepts in Grade 9 are not required to take Geometry B). <u>or</u> **AAS	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	LIFE (Personal Fitness) One JROTC credit may be used to meet this requirement. <u>or</u> Adapted Physical Education.	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 the Arts	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 (or 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
	*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.	24

Statement of Policy

It is the official policy of Gulf Shores City Schools that no person shall—on the basis of race, sex, religion, or national origin—be excluded from participation in, denied the benefits of, or subjected to discrimination under any program, activity, or employment. All programs offered by schools within the district shall be open to all students in compliance with statutory and judicial requirements