

# **Austin High School**

## **Curriculum Guide**

**2018-2019**



### **Important Dates:**

**March 6-Curriculum Fair 6 pm**

**March 16-Registration Forms Due**



**June 11- Last Day for a Course Request Change**

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## GUIDANCE INFORMATION

(256) 552-3060 ext. 6432

If you need help regarding scheduling or other counseling needs in grades 9 thru 12, you may contact the following counselors:

### 9<sup>th</sup> -11<sup>th</sup> Last Name A-G

**Dawn Carroll-256-552-3060 ext 6408**

[Dawn.Carroll@dcs.edu](mailto:Dawn.Carroll@dcs.edu)

### 9<sup>th</sup> -11<sup>th</sup> Last Name H-O

**Lisa Earley-256-552-3030 ext 6414**

[Lisa.Earley@dcs.edu](mailto:Lisa.Earley@dcs.edu)

### 9<sup>th</sup> -11<sup>th</sup> Last Name P-Z

**Ann Faulk-256-552-3060 ext 6440**

[Ann.Faulk@dcs.edu](mailto:Ann.Faulk@dcs.edu)

### Grade 12

**Catrena Jackson-256-552-3060ext 6424**

[Catrena.Jackson@dcs.edu](mailto:Catrena.Jackson@dcs.edu)

## FREQUENTLY ASKED QUESTIONS

**How are Grades Reported?** Information Now, Parent Portal, Progress Reports and Report Cards.

**How or where do I get Transcripts?** Transcript requests are taken at [www.Parchmnet.com](http://www.Parchmnet.com). The guidance office can provide details. The fee for a transcript, official or unofficial, is \$3.00.

**How do I get Enrollment forms?** An enrollment form is needed to verify school attendance/enrollment. This form is required for a driving permit. You may get it in the Guidance Office.

**How do I apply for the ACT or SAT?** You should register online at [www.act.org](http://www.act.org). For the SAT, the College Board requests you register on-line for the SAT at [www.collegeboard.com](http://www.collegeboard.com). Our school code for both exams is 010856.

**How do we have Parent Conferences?** Parents may request a conference with their child's teacher or guidance counselor. Please call your child's counselor for assistance.

**Where can we find Scholarships?** Seniors receive an update on scholarship opportunities via the Senior Remind app and school announcements. Copies are available in the guidance office or the school newsletter.

**How can we get Progress Reports?** Parents may view their student's grades and attendance from the parent website, Information NOW. You can obtain your student's ID# and Pin# from the guidance office.

### **How do we get Homework or work for a student that is out sick?**

When a student is out sick, homework may be requested. Homework requests are permitted when the student is absent for two or more days. Assignments must be requested through the guidance office before 3:00 pm on the day prior to the parent picking up assignments.

**Is there a Specific Supply List?** No, each teacher will advise the student as to the need of the class during the first days.

**Can I take Drivers Ed and Health in Summer School?** YES, they are taught each summer on a limited schedule. Drivers Ed is also taught in a mini session in December. See your counselor for information.

**Why is it so difficult to change a schedule?** Administrators and counselors spend an incredible amount of time building class schedules that reflect the student's goals and interests, fairly distributing students among similar classes, and placing courses at times in the day when the most students can take requested classes. Once classes are balanced and sections are established, it is most difficult to make a change without affecting the overall balance of teachers and class counts. Teachers are hired and textbooks are purchased based on the course enrollment as projected in the spring thereby limiting availability of classes and textbooks.

## STUDENT RECLASSIFICATION

**High school students are eligible for reclassification at the conclusion of the first semester, second semester, and summer school of each school year.**

A student may be classified as a **Sophomore** if the student has earned six (6) credits overall, three (3) of which are core curriculum credits.

A student may be classified as a **Junior** if the student has earned twelve (12) credits, seven (7) of which are core curriculum credits.

A student may be classified as a **Senior** if the student has earned eighteen (18) credits, eleven of which are core credits.

**The core curriculum subject areas are: Math, English, Science, and Social Studies.**

## SCHEDULING DEFINITIONS

**Credit** -A unit of academic work (Carnegie Unit) requiring 140 hours of instruction with a passing grade each semester. One (1) credit is awarded for at the end of the course with a passing grade

**Fall Semester** - The first and second nine-week terms of the school year (18 weeks).

**Spring Semester** - The third and fourth nine-week terms of the school year (18 weeks).

**Course** - A unit of instruction.

**Core Courses** - Those courses required for graduation as identified by the Alabama Administrative Code. (English, Math, Science, and Social Science)

**Prerequisite** - A course of study that must be “passed” to move forward in a sequence of courses.

**Teacher Approval**- Approval required when there is a definite screening process (i.e. audition or application).

**Credit Recovery**- This is a remediation credit that can be earned in summer school for a failed semester of a core course. There is a fee for this option.

**Credit Intervention**- This is a remediation class that can be substituted for a nine weeks grade of below 60 and above 41. This is taken in either night or summer school for a failed nine weeks course. There is a fee for this option.

**Cohort** – This is the group of students that enter as freshmen together and are tracked as a group toward a four year graduation plan.

## Course Weights

The following chart shows standard grade point average (4.0 scale) and numerical grade point average (100 point scale) weight applied to classes within the transcript file.

	<u>Standard GPA</u>	<u>Numerical GPA</u>
<u>Dual Enrollment Core</u>	<u>1.0</u>	<u>10.00</u>
<u>Dual Enrollment Elective</u>	<u>0.50</u>	<u>5.00</u>
<u>AP Courses</u>	<u>1.0</u>	<u>10.00</u>
<u>PreAP Courses</u>	<u>0.50</u>	<u>5.00</u>
<u>“Advanced” Courses</u>	<u>0.50</u>	<u>5.00</u>
<u>“Honors” Courses</u>	<u>0.50</u>	<u>5.00</u>

## KUDER NAVIGATOR CAREER PLANNING

### **What are you going to be when you grow up?**

The *Kuder* offers a comprehensive solution for career planners at all stages of career development. The *Kuder* system includes:

- \*On-line lifelong career portfolio
- \*Research-based interests, skills, and work values assessments
- \*Education and career planning resources.

Begin Career Planning at [www.al.kuder.com](http://www.al.kuder.com) to create a new account.

Activation Code – N4274727CSB

Please see your counselor for additional questions you may have regarding the Alabama College and Career Planning System powered by Kuder.

## NATIONAL HONOR SOCIETY

To comply with the policies of the governing board of all National Honor Societies, the National Honor Society at Austin High School will adhere to the following policies.

1. Students in the 11<sup>th</sup> and 12<sup>th</sup> grade are eligible for membership.
2. A faculty council will be responsible for selecting students for the Honor Society. The selections will be based on the students' scholarship, leadership, character and service.
3. The student must have a cumulative grade average of 90 or above to be considered but GPA is not the sole membership requirement.
4. Students must have the following course qualifications to be considered:
  - a. On track for four years of English and, at the time of consideration, at least three years of English at the advanced, AP or Dual Enrollment level
  - b. On track for four years of History and , at the time of consideration, at least two years of History at the advanced, AP or Dual Enrollment level
  - c. On track for four years of Science at the Biology level or above
  - d. On track for four years of Math at the Algebra 1 level or above. Algebra A, Algebra B, Algebra with Finance and Algebra 2 without trig do not meet this qualification.
  - e. At least two years of the same foreign language by their Junior year. Courses taken at the middle school level, Austin or through ACCESS do qualify.
  - f. All grades for elective classes do count towards the qualifying 90 average.
  - g. Must complete at least 1 year of an actual PE class, band or athletics unless there is approved religious, medical or administrative exemption.
5. Leadership and service qualities will also be considered in selections. Those students who are eligible scholastically

will be asked to fill out a form outlining their positions of leadership in and service to the school and community for evaluation by the faculty council.

6. Even if a student has a 90 or above average, he/she may not be considered for membership if poor citizenship is displayed. Unacceptable behavior includes violation of school rules and School Honor Code or civil law. Faculty council members will consider input from all interested parties including faculty members.
7. To maintain membership, each member must continue to follow the rules of good behavior and exemplary character under which he/she was inducted. Members must pay the required dues, support any projects voted on by the NHS officers, and complete 15 hours of community service with 5 of those hours devoted exclusively to tutoring. They must turn in their approved service hours in the spring of each year to the faculty sponsor.
8. Cumulative GPA and discipline checks are conducted by the sponsor at the end of each semester to ensure all members are fulfilling the stated requirements. Members who do not meet the requirements are subject to review by the faculty council. Students who are removed from Austin's NHS will not be reinstated.

### **A+ College Ready**

A+ College Ready is dedicated to developing effective teachers to educate students at higher levels, and to promoting the attainment of higher education in Alabama. It is our goal to increase the number of students in Alabama enrolled in math, science, English, and social studies Advanced Placement (AP) courses, earn qualifying scores on AP exams, and attend and succeed in college. Through their proven program, students and educators are equipped with the tools, resources, and support needed to achieve academic excellence. **The following AP courses are supported by A+: AP English 11, AP English 12, AP Calculus, AP Statistics, AP Computer Science Principles, AP Chemistry, AP Biology, AP Physics C, AP Physics I, AP Environmental Science, AP US History 11 and AP Government.** In order to prepare for the national exam, A+ College Ready supported courses have certain requirements such as Saturday sessions and mock exam participation.

Also through Laying the Foundation (LTF) training and LTF-infused course development, A+ College Ready is able to provide educators with the tools they need to prepare students in earlier grades for the rigor of AP, and to successfully teach to the high expectations of Alabama's College and Career Ready Standards.

### **ADVANCED, DUAL ENROLLMENT, AND ADVANCED PLACEMENT COURSES**

When you enroll into these classes, you should understand that by enrolling in any Advanced/Advanced Placement/Dual Enrollment course **you are committing to the entire course.** Also understand

that these courses require a workload that is rigorous, **often requiring summer work**, and that student success will be predicated on the student's ability to meet rigorous expectations.

Some of these classes have weighted credit. **In order to receive the weighted credit, the student must complete the course and participate in all requirements.** AP students must take the AP exam at the end of the year and complete the course. Failure to take the exam will result in loss of the weighted grade and the student will lose ranking.

Please also understand that **you will be committed to staying in the class for the duration of the course.** Students who are concerned about their academic performance are encouraged to seek tutorial assistance in order to succeed. Students will not be moved to another level without teacher, parent, and administrator agreement that the student is unable to complete the course. No changes will be considered until students have made every effort to be successful in the course. Schedules are made for all classes based on the numbers from the requests made in the spring, moving students after the master schedule is done causes classes to become overfilled and violates state guidelines. Therefore assignments to alternative courses are based on available space and not on the choice of the student.

**Advanced Placement** courses are accelerated in rigor and pace. Advanced Placement (AP) allows students to complete college level studies while in high school. Advanced Placement follows a strict standardized curriculum and all AP teachers are trained by the CollegeBoard. There is no cost to take AP, except for the AP exam at the conclusion of the course. All students are welcome to sign up for an Advanced Placement class. However, if a student does not receive a recommendation to take an AP course from their current core teacher, then student will be placed on Academic probation for the first 9 weeks of the school year and their progress will be monitored. Students participating in Advanced Placement (AP) are required to take the National AP Exam at the conclusion of the course. The test fee for A+ supported AP courses cost approximately \$25 and those non-A+ supported courses are approximately \$93. The test fee is paid by the student but partial payment may be waived solely upon the guidelines articulated by the Alabama State Department of Education for students who participate in the free/reduced lunch program.

**\*\*Students may earn weighted credit (1 full quality point/ 10 numeric points) for the class if:**

- Take the AP exam in May
- Attend two Saturday sessions
- Earn a grade of 70 or better.
- Take the midterm at the end of first semester
- Take the mock exam of each course

**\*\* If the student is not fulfilling the obligation of the class, then the student may be removed from the Advanced Placement course by the discretion of the AP faculty committee and/or told they may not take the National AP Exam.**

**Careful attention should be given when selecting an AP course/courses as students WILL NOT be allowed to drop an AP Course after the official add/drop deadline date.**

## **DECATUR CITY SCHOOLS CAREER ACADEMY CENTER**

Decatur City Schools Career Academies provide students opportunities to engage in rigorous career relevant coursework utilizing state of the art technology while preparing for high-wage, high-skill, and high-demand careers. Students have the opportunity to earn industry certifications as well as dual enrollment and articulated college credits. These programs prepare students to be both college and career ready by integrating core academic skills with employability skills and current industry specific technology.

Career Academy courses will be offered that the Career Center located at 1625 Danville Road SW Decatur AL 35601.

The following Career Academies will be offered at the Center:  
***Automotive Technologies, Barbering, Building Sciences,  
Cosmetology, Engineering Design and Advanced Manufacturing,***

***Health Science, Sports Medicine, Culinary Arts, Cyber Security, and Precision Machining.*** Additional Career Academies will occur at Austin to include ***Business Management and Administration, Finance, Food and Wellness, Sports Entertainment Marketing, and Fashion.***

Specific details of each Career Academy pathway are located on pages 32-35 of the curriculum guide and the Career Technical Education page on [www.dcs.edu](http://www.dcs.edu).

**The Decatur City Board of Education does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Dr. Stefanie Underwood  
Address: [302 Fourth Avenue NE, Decatur, AL 35601](http://www.dcs.edu)-1972  
Telephone No.: [256-552-3000](tel:256-552-3000)**

# DIPLOMA REQUIREMENTS

Cohorts 2018, 2019, 2020, 2021

## Alabama High School Standard Diploma

This is the same basic framework for all endorsements

### Language Arts – 4 Credits

English 9, 10, 11, and 12

### Mathematics - 4 Credits

Algebra I

Geometry

Algebra II or its substitute

(1) Additional Math credit

### Science - 4 Credits

Biology

A Physical Science

(2) Additional Sciences

### Social Studies – 4 Credits

World History 9

U.S. History 10

U.S. History 11

Government/Economics

### LIFE Physical Education – 1 Credit

### Health Education – 1/2 Credit

### Career Preparedness – 1 Credit

### Career and Technical Education (CTE) and/or Foreign Language and/or Arts Education-3 credits

### Electives – 2 1/2 Credits

## TOTAL – 24 Credits Minimum

## ENDORSEMENT OPTIONS

In order to receive the following endorsements to the Alabama High School Diploma, a student must complete the standard coursework and also follow the guidelines for that endorsement. (This endorsement will remain in effect for Cohorts 2019, 2020 and 2021.)

### ADVANCED ACADEMIC ENDORSEMENT

**Language Arts-4 credits** /2 of the 4 credits must be advanced courses must be taken in the 11<sup>th</sup> and 12<sup>th</sup> grades. It is recommended that students take 9<sup>th</sup> and 10<sup>th</sup> grades advanced classes.)

**Mathematics- 4 credits** /to include the equivalent of: Algebra I, Geometry, Algebra II w/Trig, one other Math credit

**Science-4 credits** / to include the equivalent of: Biology, Chemistry and two additional Science courses

**Social Studies-4 credits** / 2 of the 4 must be advanced level courses and the advanced courses must be taken in the 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade.

**Physical Education- 1 credit** /1 JROTC/Band credit may be used

**Health Education- 1/2 credit**

**Career Preparedness-1 credit**

**Foreign Language- 2 credits**/must be in sequence

**CTE (Career Tech) and /or Foreign Language and/or Art Education- 1 credit**/Student choosing CTE, Arts Education or Foreign Language are in encouraged to complete two courses in sequence.

**Electives- 2 1/2 credits**

### ADVANCED ACADEMIC ENDORSEMENT W/ HONORS

In order to receive this diploma endorsement a student must complete the academic requirements below and maintain a cumulative numerical average of 90.0 or above in the four core subject areas.

**Language Arts- 4 credits**/ must be advanced level courses that are taken in the 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grades

**Mathematics-4 credits**/ to include the equivalent of: Algebra I, Geometry, Algebra II w/Trig, One other Math credit

**Science-4 credits**/to include the equivalent of any AP or IB Science

**Social Studies -4 credits**/ must be advanced level courses that are taken in the 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12 grades

**Physical Education- 1 Credit**/1 JROTC/Band credit may be used

**Health Education- 1/2 Credit**

**Career Preparedness-1 credit**

**Foreign Language- 2 credits**/must be in sequence

**CTE (Career Tech) and /or Foreign Language and/or Art Education- 1 credit**/Student choosing CTE, Arts Education or Foreign Language are in encouraged to complete two courses in sequence.

**Electives- 2 1/2 credits**

### Career/Tech Endorsement

#### with any of the above Credentials

To receive this endorsement, the student must complete the same curriculum as the Standard diploma along with the following requirements. **Career/Technology: career tech sequence and pass the credential test for subject area.**

# DIPLOMA REQUIREMENTS

Cohort 2022 and beyond

## Alabama High School Standard Diploma

This is the same basic framework for all endorsements

### Language Arts – 4 Credits

English 9, 10, 11, and 12

### Mathematics - 4 Credits

Algebra I

Geometry

Algebra II or its substitute

(1) Additional Math credit

### Science - 4 Credits

Biology

A Physical Science

(2) Additional Sciences

## ENDORSEMENT OPTIONS

In order to receive the following endorsements to the Alabama High School Diploma, a student must complete the standard coursework and also follow the guidelines for that endorsement. (This endorsement takes effect beginning with the Cohort 2022.)

### Advanced Academic Endorsement w/ Honors

In order to receive this diploma endorsement, a student must complete the academic requirements below and maintain a cumulative numerical average of 90.0 or above in the four core subject areas.

**Language Arts: 4 credits** must be advanced level courses taken in the 9<sup>th</sup> and 10<sup>th</sup> grades and must be AP or Dual Enrollment courses taken in 11<sup>th</sup> and 12<sup>th</sup> grades.

**Mathematics: 4 credits** to include the equivalent of: Algebra I, Geometry, Algebra II w/Trig, One other Math credit above Algebra II w/Trig

**Science: 4 credits** must be advanced level courses taken in the 9<sup>th</sup> and 10<sup>th</sup> grades and must be AP or Dual Enrollment courses taken in 11<sup>th</sup> and 12<sup>th</sup> grades.

**Social Studies: 4 credits** must be advanced level courses taken in the 9<sup>th</sup> and 10<sup>th</sup> grades and must be AP or Dual Enrollment courses taken in 11<sup>th</sup> and 12<sup>th</sup> grades.

**Physical Education: 1 credit** – One JROTC credit may be used to meet this requirement

**Health Education: (½) credit**

**CTE and/or Art Education: 1 credit-** Students choosing CTE, Arts Education, and or Foreign Language are encouraged to complete two courses in sequence.

**Foreign Language: 2 credits-** must be completed in a sequence

**Electives: 3.5 credits**

### Social Studies – 4 Credits

World History 9

U.S. History 10

U.S. History 11

Government/Economics

### LIFE Physical Education – 1 Credit

### Health Education – 1/2 Credit

### Career Pathway Foundations Course- 1 Credit

### Career and Technical Education (CTE) and/or Foreign

### Language and/or Arts Education-3 credits

### Electives – 2 1/2 Credits

## TOTAL – 24 Credits Minimum

### Career/Tech Endorsement with Credential

To receive this endorsement, the student must complete the same curriculum as the Standard diploma along with the following requirements: **Career Tech Academy completer and pass the credential test for subject area**

### Advanced Academic Endorsement

In order to receive this diploma endorsement, a student must complete the academic requirements below.

**Language Arts: 4 credits**, 2 of the 4 credits must be AP or Dual Enrollment courses taken in the 11<sup>th</sup> and 12<sup>th</sup> grades. It is recommended that students take 9<sup>th</sup> and 10<sup>th</sup> grade advanced classes.

**Mathematics: 4 credits** to include the equivalent of: Algebra I, Geometry, Algebra II w/Trig, One other Math credit

**Science: 4 credits** to include the equivalent of: Biology, Chemistry and two additional science credits to include at least one AP or Dual Enrollment course

**Social Studies: 4 credits**, 2 of the 4 **must** be AP or Dual Enrollment courses taken in the 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade.

**Physical Education: 1 credit** – One JROTC credit may be used to meet this requirement

**Health Education: (½) credit**

**CTE and/or Art Education: 1 credit-** Students choosing CTE, Arts Education, and or Foreign Language are encouraged to complete two courses in sequence.

**Foreign Language: 2 credits-** must be completed in a sequence

**Electives: 3.5 credits**

### Career/Tech Endorsement with Credential

To receive this endorsement, the student must complete the same curriculum as the Standard diploma along with the following requirements: **Career Tech Academy completer and pass the credential test for subject area**

## Austin Junior High Courses

### ENGLISH DEPARTMENT

**200005- English, Grade 9-** Includes reading literature, reading informational text, writing, speaking and listening, and language. The Grade 9 English course is a grade-level course that concentrates on language skills that encourage students to voice their points of view and interpretations of literature. The course moves through the concepts of grammar with the goal of making the student a more effective reader, writer, and speaker. The student will be assessed on testing (objective and discussion) reflecting the Common Core and Quality Core standards. Students will focus on writing through the development of paragraphs and essays. The course includes spelling and vocabulary programs. Students will be introduced and oriented to the library. A study of poetry will include basic terms and devices, as well as a thorough study of Shakespeare's *Romeo and Juliet*. The course includes a short story unit with emphasis on literary elements in specific works and a nonfiction unit. Students will also read novels selected by the teacher. Student evaluation will be based on testing, class participation, daily work, and special projects, with journals optional.

**200007- English, Grade 9, Advanced Level** – Includes advanced work in reading literature, reading informational text, writing, speaking and listening, and language. The course is designed for the student who has performed well above average in previous English courses, is motivated, has mastered basic skills, and is willing to handle a more challenging workload. This course is designed for students who are planning to pursue Advanced Placement (AP) courses. Assessments will include tests, compositions, projects, and memorization work. The course covers both grammar and literature. Students may be required to purchase novels as selected by the instructor. (Note: Three years of Honors or Advanced Level English are required for membership in National Honor Society.) **All writing submitted as a fulfillment of a requirement for an English course must be free of plagiarism.** The works of authors must be either directly quoted and documented or paraphrased and documented. Appropriate academic and disciplinary action will be taken if plagiarism occurs.

### MATH DEPARTMENT

**210005- Algebra I** – This course builds on foundational mathematics content learned by students in Grades K-8 by expanding mathematics understanding to provide students with a strong mathematics education. Content is designed to engage students in a variety of mathematical experiences that include the use of reasoning and problem-solving skills, which may be applied to life situations beyond the classroom setting. This course serves as the cornerstone for all high school mathematics courses; therefore, all subsequent mathematics courses require student mastery of the Algebra I content standards. **This is the Grade level class for freshmen Math.**

**210007 Advanced Algebra 1-** This course covers the same topics as Algebra 1 but places a higher emphasis on advanced Algebra 1 concepts and solving real world problems by applying algebraic concepts in modeling situations. Because of the additional material and increased rigor, this course will have a faster pace than Algebra 1. Graphing calculator is necessary. Purchase of a TI84 Plus CE is encouraged. Prerequisite: PreAlgebra and teacher recommendation.

**210012-Advanced Geometry** –This course contains the same topics as Geometry but places a higher emphasis on advanced Algebra 1 concepts and solving real world problems by applying geometric concepts in modeling situations. Additional material is also covered such as the unit circle. Because of the additional material and increased rigor, this course will have a faster pace than Geometry. A calculator with trigonometric functionality is encouraged. This course is in preparation for Advanced Placement (AP) math. **Prerequisite: Algebra I and teacher recommendation.**

### SCIENCE DEPARTMENT

**220011- Biology-** This is a core science course for freshmen. Content standards within this course are organized into 4 core ideas: Molecules to Organisms, Ecosystems (Interactions, Energy, and Dynamics) Heredity (Inheritance, and Variations of Traits), and Unity/Diversity. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations.

**220013aa- Biology Advanced** – Covers advanced work in the Biology Core content standards. This course focuses on the basic concepts and skills required in the study of living systems and organisms. This course is recommended as accelerated preparation for highly-motivated students interested in Advanced Placement Sciences and/or International Baccalaureate Courses. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. Course requirements may include, but may not be limited to, performing and presenting an integrated science project(s), writing research papers, and performing community service projects related to course topics. This course is in preparation for Advanced Placement (AP) science. Prerequisite: Successful completion of Physical Science with a grade average of 87 or higher and concurrent enrollment in Algebra I.

## SOCIAL STUDIES DEPARTMENT

**230013- World History: 1500 to Present-** 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; is a required course which directs students to think critically about the various forces that combined to shape the world today. Emphasis is on geography, civics, and economic systems within a chronological context. Critical thinking, historical inquiry and analysis are important in this course as students compare and contrast civilizations over time.

**230015- World History: 1500 to Present, Advanced-**Advanced work in the chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present; offers an accelerated alternative to regular ninth grade history. This course is recommended as accelerated preparation for highly-motivated students interested in Advanced Placement Sciences and/or International Baccalaureate Courses. This course is writing intensive and requires above average reading and writing skills. It is recommended to precede tenth grade AP History. This course allows students to think critically about the events that shaped our world today. Emphasis is placed on geography, history and current events. Students will participate in group activities and research throughout the year. An outside reading book will be required one semester and an extended research report written the other. This course is in preparation for Advanced Placement (AP) science. Prerequisite: A minimum of B+ is required in eighth grade social studies and English, and prior approval from an eighth grade social studies teacher is needed before registration.

## WORLD LANGUAGES

**270023- French I-**Students will be introduced to the French language and cultures of France and other French-speaking nations. Basic skills are stressed in the areas of speaking, listening, reading, and writing in French. The acquisition of vocabulary is especially emphasized. Students will be expected to speak French and to participate in activities with other students. Students must have a C average or higher in English.

**270024- French II-** Students build upon the vocabulary and basic grammar taught in French I to become more proficient. Students become more adept in creating with language. Students must purchase a French/English dictionary. **Prerequisite: A C average or higher in French I is recommended.**

**270153- Spanish I-** Students will be introduced to the Spanish language and culture of Spanish-speaking nations. Basic skills are stressed in the area of speaking, listening, reading, and writing in Spanish. The acquisition of vocabulary is especially emphasized. Students will be expected to speak Spanish and to participate in activities with other students. Students must have a C average or higher in English.

**270154ab- Spanish II-** Students build upon the vocabulary and basic grammar taught in Spanish I to become more proficient. Students become more adept in creating with language. Students must purchase a Spanish/English dictionary. **Prerequisite: A C average or higher in Spanish I is recommended.**

## PHYSICAL EDUCATION

**Freshmen wanting to play a sport or try out for a JV or Varsity athletic team should sign up for PE. They will be selected by their coach to be in an athletic class.**

**240002- Boys LIFE Physical Education (Boys 9)-** consists of instruction in and knowledge of a variety of activities such as individual and conditioning exercises, rhythms, tumbling, gymnastics, team sports, and individual sports. The high school required course, LIFE (Lifetime Individualized Fitness Education) provides a blueprint for a lifetime of healthy living. LIFE requires students to develop and maintain an individual level of fitness that provides a healthy future. Fitness and wellness components will be taught by providing experiences in which students can apply these components in meaningful ways. The components will be applied in a variety of meaningful experiences including, but not limited to rhythms, individual and dual sport activities, team sports, and leisure activities.

**240002ab – Girls LIFE Physical Education (Girls 9)-** consists of instruction in and knowledge of a variety of activities such as individual and conditioning exercises, rhythms, tumbling, gymnastics, team sports, and individual sports. The high school required course, LIFE (Lifetime Individualized Fitness Education) provides a blueprint for a lifetime of healthy living. LIFE requires students to develop and maintain an individual level of fitness that provides a healthy future. Fitness and wellness components will be taught by providing experiences in which students can apply these components in meaningful ways. The components will be applied in a variety of meaningful experiences including, but not limited to rhythms, individual and dual sport activities, team sports, and leisure activities.

## **BAND & MUSIC PERFORMANCE**

**283100-Concert Band- (Teacher permission only)** is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who have passed an audition by the director and whose instrumental ability is on or above the B level of music. The marching band performs for all football games, homecoming parade, Christmas parade, and special community activities. The band actively participates in District and State Band Festivals and usually one out-of-state competition. The individual students are required to participate in Solo and Ensemble Festival and strongly encouraged to participate in All-State Band auditions.

**283200-Symphony Band- (Teacher permission only)** is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who have passed an audition by the director and whose instrumental ability is on or above the A level. The marching band performs for all football games, homecoming parade, Christmas Parade, and special community activities. The band actively participates in District and State Band Festivals, and usually one out-of-state competition. The individual students are required to participate in Solo and Ensemble Festival and strongly encouraged to participate in All-State Band auditions.

**283112- Percussion- (Teacher permission only)** is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who play concert and marching percussion instruments and who have passed an audition by the director. Members of this ensemble perform with the Symphony Band, the Concert Band, the Cadet Band, and the Marching Band as well as performing with the Percussion Ensemble.

**283119- Instrumental Music- (Teacher permission only)** are small groups of students scheduled through the day in instrumental music classes. Instruction is on an individual basis, with individual practice required and private lessons given at least once or twice a week to each student by the band director. Music Theory is taught as a part of the class when the makeup of the class lends itself to being a productive activity for the students. Students are expected to audition and participate in All-State and Solo and Ensemble Festival.

**283219- Color Guard- (Teacher permission only)** is one of the performing ensembles that accompanies the Marching and performing bands.

## **CHORAL DEPARTMENT**

**283602- Vocal 1 (Men)-** is a one-credit course. This course offers beginning or intermediate singers the opportunity to develop skills which will allow them to be successful in more advanced mixed ensembles. Level I Vocal Music is designed to address the needs of young musicians who are eager to explore vocal music instruction regardless of grade level. Content standards for Level I emphasize the fundamentals of singing, sight-reading, listening and beginning theory. Students have the opportunity to perform a varied repertoire of literature from various stylistic periods and

composers, compare music of various cultures, and learn how concepts in music relate to concepts in other disciplines.

*Vocal Level I is the pre-requisite for all of the advanced vocal courses. Requirements: Fall and Spring Concert participation mandatory. A \$55.00 fee is required.*

**283601- Vocal I (Women)-** is a one-credit course. This course offers beginning or intermediate singers the opportunity to develop skills which will allow them to be successful in more advanced mixed ensembles. Level I Vocal Music is designed to address the needs of young musicians who are eager to explore vocal music instruction regardless of grade level. Content standards for Level I emphasize the fundamentals of singing, sight-reading, listening and beginning theory. Students have the opportunity to perform a varied repertoire of literature from various stylistic periods and composers, compare music of various cultures, and learn how concepts in music relate to concepts in other disciplines.

*Vocal Level I is the pre-requisite for all of the advanced vocal courses. Requirements: Fall and Spring Concert participation mandatory. A \$55.00 fee is required.*

## **DRAMA DEPARTMENT**

**285100- Theatre Level I INTRODUCTION TO DRAMATICS-** (9-12) This is a general dramatics instruction introducing basic theatrical terminology, theatre history, stage directions, and theatre appreciation. This course includes opportunities for a student to gain self-confidence through improvisation activities and theatre games. MANDATORY attendance at all Austin theatrical productions is required. Excellent class to fulfill fine arts credit, but will not count as an English credit.

**285200- Theatre Level II INTERMEDIATE DRAMATICS-** By audition and teacher recommendation only. (9-12) This is for students interested in being a part of the Austin Drama Department throughout high school. This is an in depth dramatics instructions using theatrical terminology, stage direction, artistic interpretation, and speech to create live performance. Participation in improvisation, monologues, and duet and group scenes will be stressed. Students may participate in statewide theatre competition. MANDATORY attendance at the Austin theatrical productions is required. Counts as a fine arts credit, but not an English credit.

## **VISUAL ART DEPARTMENT**

**286100b- Drawing I** – If you love to draw, or don't know how and want to learn, this is the class for you! This is a one-credit course where you will learn two-dimensional design; problem-solving using a variety of drawing media and techniques; elements and principles of design; aesthetics; criticism and art history; evaluation of artwork.

**282105- Movie Making** – Make movies! Show them at film festivals! Students will learn video production, script writing, and cinema critique. Students will write scripts based on industry formats and critique works by past and present artists in the field of movie production. Students will gain knowledge of writing, producing, and budgeting process of current cinematic markets. Student groups will write and select a script, and produce a video as a final project. Students are expected to work on a professional production during and after school hours and some weekends with local travel required.

**286100c- Painting I** - For everyone who wants to paint! This is a one-credit course where you will learn two-dimensional design; problem-solving using a variety of painting media and techniques; elements and principles of design; aesthetics; criticism and art history; evaluation of artwork.

**286109- Digital Photography I** – Document the world around you and tell your story through photographs. Digital camera required. This is a one-credit course where you will learn elements and principles of design; aesthetics; criticism; art/photography history; evaluation of artwork; proper care and storage of photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; use of technology. *Prerequisite: Prior Art class and teacher permission*  
**DIGITAL CAMERA WITH MANUAL SETTING REQUIRED; NO CELL PHONE CAMERAS**

**282103- Video Game Design (Sequential Art)**- Video games are a multi-billion dollar industry, and you can get a head start in the field while still in high school. Sequential art introduces you to video game design, animation, and comics and then allows you to focus on developing your skills as a video game designer. This is a one-credit course where you will learn two-dimensional design; problem-solving as it relates to storytelling; art as communication; elements and principles of design; aesthetics; the history of sequential art; evaluation of artwork. **LAPTOP COMPUTER REQUIRED; MAY BE CHECKED OUT OF LIBRARY IF NEEDED.**

## **CAREER TECHNICAL DEPARTMENT**

### **Business/Marketing/Finance**

#### **450006-BUSINESS COMMUNICATION AND TECHNOLOGY**

**Prerequisite(s):** None

**Certification Opportunity:** MOS

A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

### **Barbering**

#### **450006-BUSINESS COMMUNICATION AND TECHNOLOGY**

**Grade:** 9 **Credit:** 1.0

**Prerequisite(s):** None

**Certification Opportunity:** MOS

A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

### **Building Construction**

#### **450006-BUSINESS COMMUNICATION AND TECHNOLOGY**

**Prerequisite(s):** None

**Certification Opportunity:** MOS

A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

### **Cosmetology**

#### **450006-BUSINESS COMMUNICATION AND TECHNOLOGY**

**Prerequisite(s):** None

**Certification Opportunity:** MOS

A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

### **Culinary Arts**

#### **510011-FOOD AND NUTRITION**

**Prerequisite(s):** None

**Fee(s):** \$30

A one-credit course designed to enable students to explore the relationship between food, nutrition, fitness, and wellness. Students learn how to select and prepare nutritious foods. A school-based laboratory is required for this course.

### **Machine Tool Technology**

#### **450006-BUSINESS COMMUNICATION AND TECHNOLOGY**

**Prerequisite(s):** None

A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

## **CYBERSECURITY AT CAREER CENTER**

**\*\*2018-2019 Cyber Security enrollment will be limited to 20 students - classes will be held at time TBD after the regular school day**

### **520038-FOUNDATIONS OF INFORMATIONAL SECURITY (INFOSEC I)**

**Co-requisite(s):** Must be concurrently enrolled in Algebra I or higher-level math

**Fee(s):** SkillsUSA \$20

This course introduces students to the field of Cyber Security. Students will become familiar with Microsoft Windows and Linux Operating Systems. They will learn to use multiple numbering systems and how these systems are used in network addressing and operating system configuration. Students will also gain experience in the areas of vulnerability identification, risk assessment, risk mitigation techniques, Wi-Fi security, IP Addressing, and Informational Ethics. This course is weighted 10 points on a 100-point scale.

### **Fashion**

**510004- Family and Consumer Science- (grades 9th-12th)** Family and Consumer Sciences is a one credit course. This course is designed to assist students in recognizing the roles, responsibilities, and importance of the family. Course content provides opportunities for students to explore characteristics of strong families; family customs and traditions; healthy relationships; marriage readiness; parenting issues; and career options related to family and consumer sciences and human services. No prerequisites are required for this course. \*The student will be required to purchase some resources to be used in this course.

### **Food Nutrition and Wellness**

**510004- Family and Consumer Science-**Family and Consumer Sciences is a one credit course. This course is designed to assist students in recognizing the roles, responsibilities, and importance of the family. Course content provides opportunities for students to explore characteristics of strong families; family customs and traditions; healthy relationships; marriage readiness; parenting issues; career options related to family and consumer sciences and human services. No prerequisites are required for this course. \*The student will be required to purchase some resources to be used in this course.

### **Health Science Occupations**

**490007- Foundations of Health Science-**A one-credit course introducing students to a wide range of health careers. This course is the prerequisite for all other health science courses. It is recommended for students who plan to prepare for further study in an array of health care careers at the postsecondary level. **Completion of this course will satisfy the HEALTH requirement for graduation.** Prerequisite: None

## **Engineering Design & Drawing**

### **450006-BUSINESS COMMUNICATION AND TECHNOLOGY**

**Prerequisite(s):** None

A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

## **Automotive Technologies**

### **450006-BUSINESS COMMUNICATION AND TECHNOLOGY**

**Prerequisite(s):** None

A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

## **Sports Medicine**

**490007- Foundations of Health Science-**A one-credit course introducing students to a wide range of health careers. This course is the prerequisite for all other health science courses. It is recommended for students who plan to prepare for further study in an array of health care careers at the postsecondary level. **Completion of this course will satisfy the HEALTH requirement for graduation.** Prerequisite: None

## **JROTC**

**Students in JROTC are expected to follow a strict dress code and will be required to wear their uniforms on the days designated by the command staff.**

**480041- Army JROTC Leadership Education and Training I (LETI)-** During the first year, cadets will receive classes on Introduction to JROTC, Leadership, First Aid, Map Reading, Techniques of Communication, and How to Study. The desired learning outcome is an appreciation of the ethics, values, and principles that underlie good citizenship which includes integrity, character, and respect for constituted authority.

# 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> GRADE

## COURSE GUIDE

### ENGLISH DEPARTMENT

**200009- English, Grade 10**-Includes reading literature, reading informational text, writing, speaking and listening, and language. This course is a grade-level course that builds on the grammar skills reviewed in the ninth grade. The student will concentrate on language skills important to writing. This course also emphasizes library and speech skills. The tenth-grade student will sample American literature and will also study the short story, poetry, and the drama *Julius Caesar*. The student will read and discuss in class *To Kill a Mockingbird* by Harper Lee as well as additional novels. Paragraph writing and essays will also build on the writing skills of the ninth grade. Students will also complete a research project. The study of vocabulary and dictionary skills will improve reading comprehension.

**200011- English, Grade 10, Advanced Level**- Includes advanced work in reading literature, reading informational text, writing, speaking and listening, and language. The course is designed for the student who has performed well above average in previous English courses, is motivated, has mastered basic skills, and is willing to handle a more challenging workload. This course is designed for students who are planning to pursue Advanced Placement (AP) courses. The student will be assessed by the College and Career Readiness Standards. Students are expected to purchase at least one novel during the year. The course covers both grammar and literature. (Note: Three years of Honors or Advanced Level English are required for membership in National Honor Society.)

**200013- English, Grade 11**- Includes reading literature, reading informational text, writing, speaking and listening, and language. The course is the chronological study of American literature from 1900 to the present with strong emphasis on vocabulary and composition, including the 500-word theme. The course includes a review of basic grammar. Students will be required to read several novels/plays that may include but are not limited to *A Raisin in the Sun*, *The Great Gatsby*, and *Fahrenheit 451*. Oral communication will be stressed through group and individual speaking opportunities. Students must complete a research paper that meets minimum standards of the department. Both grammar and literature units will be studied.

**200016- English 11, Language and Composition, AP**- This is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in becoming skilled writers who compose for a variety of purposes. This course is designed for highly motivated juniors who have shown interest in the subject area, who enjoy literature and the study of language, and who wish to attempt college-level work while in high school. The course will incorporate fiction and nonfiction selections, emphasizing American authors, and include intensive vocabulary study. The course will emphasize

effective writing, critical reading, and analysis of a variety of prose and poetry. The student will learn to gather information, develop a discourse, organize details, and, based on the specific audience, control the language. A student must complete a research paper that meets minimum requirements of the department in order to pass the course. The student is expected to purchase some resources to be used in this course. In order to receive maximum weighted credit, students must take the AP Language and Composition test. This course will lead into the Advanced Placement course offered the senior year during which the Literature and Composition test will be given in the spring. **Prerequisite: Completion of Advanced English 10.** The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP-weighted credit. *The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.*

**200017- English, Grade 12**-Includes reading literature, reading informational text, writing, speaking and listening, and language. The course is a grade-level course which includes the study of English literature, composition, vocabulary, and grammar. Students will study English literature from the Anglo-Saxon period to contemporary British authors through a variety of genres including poetry, short stories, plays, novels, and essays. The course will include a brief overview of classical mythology. A comprehensive review of grammar will emphasize the structure, syntax, and various types of sentences. Student writings will emphasize the multi-paragraph essay. All students must do a research paper according to department specifications in order to pass the course. Outside reading will include but is not limited to reading *Lord of the Flies* and *Frankenstein*.

**903201/903202 English 101/102 Calhoun Dual Enrollment:** **Tuition Cost: \$450 +/-**-provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage. **English Composition 102** - provides instruction and practice in the writing of six (6) formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage.

**200020- English 12, Literature and Composition, AP**- College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in the careful reading and critical analysis of literature. It is designed for the highly motivated senior student who has shown interest in the subject area, who enjoys literature, and who wishes to attempt college-level work while in high school. In addition to English literature, the course will include world masterpieces of recognized literary merit and vocabulary study.

The principle emphasis will be on writing and thinking skills. The class will demand daily work as well as long-term projects. Most writing assignments will focus on the critical analysis of literature. Students will write and complete a 5 page research paper on a literary topic following the MLA Style Sheet in order to pass the course. Outside reading is a requirement and will include various novels/plays. This course is preparation for the Advanced Placement Literature and Composition test which is given in the spring. A summer reading assignment will be announced in May and will be due the first day of school. **Prerequisite: Completion of AP English 11.** *The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP-Weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.*

## MATH DEPARTMENT

**210009ab- Algebra 1B** – is the second of a two-part course sequence which satisfies the Algebra 1 requirement for graduation. The course is a study which concentrates on the concepts covered in the second semester of the Algebra I course. (See course description for Algebra 1.) **Prerequisite: Algebra IA.**

**210010-Geometry** – **Geometry** provides student understanding of shapes and properties with emphasis on practical tasks, recreations, sciences, and the arts and the development of concepts related to 2 and 3 dimensional figures. Constructing, drawing, measuring, and modeling are used to further the understanding of properties of geometric figures and to represent problem situations. Concepts, such as parallelism, perpendicularity, congruency, similarity, and symmetry are studied in many contexts. Translations, reflections, and rotations are used to describe how objects move. Classifying figures in terms of congruency and similarity and applying these relationships are treated fully in this course. Calculator use is encouraged. **Prerequisite: Algebra I and teacher recommendation**

**210012-Advanced Geometry** – This course contains the same topics as Geometry but places a higher emphasis on advanced Algebra 1 concepts and solving real world problems by applying geometric concepts in modeling situations. Additional material is also covered such as the unit circle. Because of the additional material and increased rigor, this course will have a faster pace than Geometry. A calculator with trigonometric functionality is encouraged. This course is in preparation for Advanced Placement (AP) math. **Prerequisite: Algebra I and teacher recommendation.**

**210015- Algebraic Connections** – is 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. This course provides opportunities to

incorporate the use of technology through its emphasis on applying functions to make predictions and to calculate outcomes. If a student chooses to take Algebraic Connections, it must be taken prior to the Algebra II with Trigonometry. **Prerequisites: Algebra I, Geometry and teacher recommendation.**

**210036-Algebra with Finance** – Algebra with Finance is a terminating course for **seniors only**. It is a college and career preparatory course that integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level. *This does not meet Austin High School National Honor Society advanced math requirement.* **Prerequisites: Algebra I, Geometry, and teacher recommendation**

**210016- Algebra II** – is a terminating course for **seniors only** designed to extend students' algebraic knowledge and skills beyond Algebra I. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of mathematics. To help students appreciate the power of algebra, application-based problems are incorporated throughout the course. In contrast to the Algebra II with Trigonometry course, Algebra II does not meet the graduation requirements for the Alabama High School Diploma with Advanced Academic Endorsement due to the fact that it does not contain trigonometry content. **This course does not provide sufficient background to prepare students to pursue higher-level mathematics courses.** **Prerequisites: Algebra I, Geometry, and teacher recommendation.**

**210017- Algebra II with Trigonometry** – provides a more in-depth treatment of algebraic concepts presented in Algebra I while introducing several higher-level topics. 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. Algebra II with Trigonometry is required for all students pursuing the Alabama High School Diploma with Advanced Academic Endorsement and is considered essential for all college-bound students. If a student chooses to take Algebraic Connections, it must be taken prior to the Algebra II with Trigonometry. **Prerequisites: Algebra I, Geometry, and teacher recommendation.**

**210017ae-Advanced Algebra II with Trigonometry** – This course contains the same topics as Algebra II with Trigonometry but places a higher emphasis on advanced concepts and solving real world problems by applying them in modeling situations. material is also covered with increased rigor and will have a faster pace. Graphing calculator use is recommended. Projects and presentations may be included in this course. This course is in preparation for Advanced Placement (AP) math. **Prerequisites: Algebra I, Geometry, and teacher recommendation**

**210020- Pre-Calculus** – 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 course. A variety of topics are reviewed and expanded upon including trigonometry, complex numbers, functions, graphing, and logarithms. Many topics are combined to explore new areas such as polar coordinates, polar graphing, conic sections, vectors, matrices, polynomial theory and induction proofs. Graphing is studied in-depth to determine properties of functions. Limits and derivatives are introduced. Many other areas are covered to give the college-bound student a basis for calculus. Graphing calculator use is encouraged. **Prerequisites: Algebra I, Geometry, Algebra II with Trigonometry, and teacher recommendation**

**210025- AP Calculus AB** This Advanced Placement course is accelerated in rigor and pace. The primary focus of the course is preparing students for the AP Calculus AB exam. Topics covered included transcendental functions, techniques of integration, and applications of integration. Students are encouraged to provide graphing calculators for use in this course. College credit at most universities may be earned for Calculus I by scoring a 3, 4, or 5 on the AP Calculus AB Exam. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit. **Prerequisites: Pre-Calculus and teacher recommendation.**

**520018-AP Computer Science Principles**- This Advanced Placement course is accelerated in rigor and pace. It 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. This course was designed with the goal of creating leaders in computer science fields and attracting and engaging those who are traditionally underrepresented with essential computing tools and multidisciplinary opportunities. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit. **Prerequisite: Geometry**

**210027-AP Statistics** – This Advanced Placement course is accelerated in rigor and pace. It 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. A TI-83, TI-84, or NSPIRE will be utilized in this course. The student and parent/guardian must commit to take the Advanced Placement examination in order to

receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit. **Prerequisites: Algebra II with Trig and teacher recommendation.**

**907601/907602- Dual Enrollment Pre-Calculus Algebra MTH 112/113**- are college algebra courses. It is taught as a DUAL ENROLLMENT course with Calhoun Community College on our campus. This class will cost approximately \$550.00.

**907605- Dual Enrollment Calculus I MTH 125** – are college calculus course. It is taught as a DUAL ENROLLMENT course with Calhoun Community College on our campus and offered to **seniors only**. This Class will cost approximately \$550.00.

**210034-Analytical Mathematics** – is designed for students who have successfully completed the Pre-Calculus course. This course provides a structured introduction to important areas of emphasis in most postsecondary studies that pursue a concentration in mathematics. Linear algebra, logic, vectors, and matrices are topics that are given more in-depth coverage than in previous courses. Application-based problem solving is an integral part of this course. To assist students with numerical and graphical analysis, the use of advanced technological tools is highly recommended. **Prerequisite: Pre-Calculus**

## SCIENCE DEPARTMENT

**220051- Physical Science**- Content standards within this course are organized according to three of the core ideas for Physical Science. The three core ideas are: Matter and its interaction, Motion and Stability, and Energy. Integrated within the disciplinary core ideas are the Engineering, Technology, and Applications of Science (ETS) core ideas. This course will involve higher order thinking, student centered learning, and inquiry based labs as outlined by the state curriculum. **Prerequisite: Successful completion of a Biology course.**

**220040- Marine Science**-is an elective science course that emphasizes the world's oceans. Studies include, but are not limited to, marine organisms, ecosystem dynamics, physical characteristics of the oceans, and the human impact on oceans. Students will be required to perform laboratory investigations, problem solving activities, keep records, make reports, present oral and written projects and participate in discussions regarding the results and conclusion of scientific investigations. **Prerequisites: Successful completion of Biology and a physical science course.**

**220061- Chemistry-** Content standards within this course are organized according to three core ideas for Physical Science. The three core ideas are Matter and its Interactions, Motion and stability and energy. Integrated within the disciplinary core ideas of Chemistry are the Engineering, technology and Application of Science (ETS) core ideas. The ETS core ideas require students to use tools to solve simple problems and to use representations to convey design solutions to a problem and determine which is most appropriate. This course will involve higher order thinking, student centered learning, and inquiry based labs as outlined by the state curriculum. This course fulfills the physical science core for either diploma. **Prerequisite: Successful completion of a Biology course, Physical Science (8th) and Algebra I or Algebra IB. Credit in Advanced Chemistry precludes credit in this course.**

**220063aa- Chemistry, Advanced-** Content standards within this course are organized according to three of the core ideas for Physical Science. The first core idea, Matter and Its Interactions, deals with the substances and processes that encompass our universe on both microscopic and macroscopic levels. The second core idea, Motion and Stability: Forces and Interactions, concentrates on forces and motion, types of interactions, and stability and instability in chemical systems. The third core idea, Energy, involves the conservation of energy, energy transformations, and applications of energy to everyday life. Integrated within the disciplinary core ideas of Chemistry are the Engineering, Technology, and Applications of Science (ETS) core ideas. The ETS core ideas require students to use tools to solve simple problems and to use representations to convey design solutions to a problem and determine which is most appropriate. The course will involve higher order thinking, pupil centered learning, and inquiry based labs as outlined by the state curriculum. The advanced Chemistry course will also prepare students for AP Chemistry and is a one term condensed course where work is rigorous and students are required to read outside of class and prepare for lessons in advance. Homework and tests will not be repeated and requires students who want to take the course to be hardworking conscientious and dedicated to doing well. Professional career suggestions for Advanced Chemistry would include pharmacy, medicine and engineering.

The following pathway is recommended if the student is to do well in the course with a 90 or higher:

9<sup>th</sup> Advanced Biology → 10<sup>th</sup> Advanced Chemistry → 11<sup>th</sup> AP Chem  
9<sup>th</sup> Algebra I → 10<sup>th</sup> Geometry → 11<sup>th</sup> Algebra 2 with Trig

**220064- AP Chemistry-** Course content will follow that provided by the CollegeBoard. Tests will align with the CollegeBoard requirements and students need to be prepared for additional work outside (several hours) of the classroom to prepare themselves for class work labs. The AP course is a condensed course which is delivered through one semester where work is rigorous and pupil centered and labs are inquiry based and guided.

The following pathway is recommended if the student is to do well in the course with a 95 or higher at Advanced Chemistry:

9<sup>th</sup> Advanced Biology → 10<sup>th</sup> Advanced Chemistry → 11<sup>th</sup> AP Chem  
9<sup>th</sup> Algebra I → 10<sup>th</sup> Geometry → 11<sup>th</sup> Algebra 2 with Trig

This course is for a highly motivated student who is hardworking and conscientious with an appetite to learn and devote time to the subject outside of the classroom. Professional career suggestions for Advanced Chemistry would include pharmacy, medicine and engineering to name a few. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

**There is a Summer Assignment for this course. See the instructor before the end of the year for the assignment and any questions prior to choosing the course.** PREREQUISITE: THE COLLEGEBOARD RECOMMENDS THAT THE AP CHEMISTRY COURSE IS DESIGNED TO BE TAKEN AFTER THE SUCCESSFUL COMPLETION OF A FIRST COURSE IN HIGH SCHOOL CHEMISTRY AND A SECOND-YEAR ALGEBRA COURSE

**220014- AP Biology-** is an introductory course for both science and non-science majors. It covers physical, chemical and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic chemistry, cell energetics, photosynthesis and Mendelian and molecular genetics. Also included are an overview of viruses, prokaryotes and protists, basic principles of ecology, plus a survey of plant and animal diversity including their classifications, morphology, physiology and reproduction? Upon completion of the course, students will be expected to take the AP exam and with an acceptable score may receive credit from the college in which they enroll. A summer assignment will be required. **Prerequisites: Completion of a Biology course and Chemistry.** The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

**220032-AP Environmental Science-(11- 12)** is designed to be the equivalent of an introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires students to identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, evaluate the relative risks associated with these problems and examine alternative solutions for resolving or preventing them. **Prerequisites: Biology and Chemistry.**

**220069- AP Physics C: Mechanics— (11<sup>th</sup>-12<sup>th</sup>grades)** College-level advanced physics course following the curriculum established by the College Board Advanced Placement (AP) Program for physics; this course should provide instruction in Newton's laws of motion; work, energy and power, systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. It is strongly recommended for students who intend to major in engineering or related fields. Students are required to attend 3 or more study sessions before the exam. Students are required to take the first semester exam. The student must commit to take the Advanced Placement examination for this AP course in order to receive full weighted credit (10 points). The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the exam being ordered. Failure to take the AP examination after signing this contract will disqualify the student from receiving any weighted credit. Students electing not to take the AP examination will sign a contract stating this intention and will receive NO weighted credit. **This class must be taken first in the AP Physics C series, and is a pre requisite for Electricity and Magnetism. Prerequisite: Pre-calculus/Advanced Math, Physics** PREREQUISITE: THE COLLEGE BOARD RECOMMENDS THAT THIS IS A ONE-SEMESTER COURSE AND RECOMMENDS TEACHING AP PHYSICS C: MECHANICS THE FIRST SEMESTER AND AP PHYSICS C: ELECTRICITY AND MAGNETISM THE SECOND SEMESTER.

**220075- AP Physics C: Electricity and Magnetism— (11<sup>th</sup>-12<sup>th</sup> grades)** College-level advanced physics course following the curriculum established by the College Board Advanced Placement (AP) Program for physics; this course should provide instruction in electrostatics; conductors; capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. It is strongly recommended for students who intend to major in engineering or related fields. Students are required to attend 3 or more study sessions before the exam. The student must commit to take the Advanced Placement examination for this AP course in order to receive full weighted credit (10 points). The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the exam being ordered. Failure to take the AP examination after signing this contract will disqualify the student from receiving any weighted credit. Students electing not to take the AP examination will sign a contract stating this intention and will receive NO weighted credit. **Prerequisite: Pre-calculus/Advanced Math, Physics, AP Physics C: Mechanics** PREREQUISITE: THE COLLEGE BOARD RECOMMENDS THAT THIS IS A ONE-SEMESTER COURSE AND RECOMMENDS TEACHING AP PHYSICS C: MECHANICS THE FIRST SEMESTER AND AP PHYSICS C: ELECTRICITY AND MAGNETISM THE SECOND SEMESTER.

**220057- AP Physics I-** Algebra- based physics course that is the equivalent to a first semester algebra based college course. The course covers Newtonian mechanics and kinematics, dynamics, gravitational, rotational and simple harmonic motion, waves, momentum, energy, and an introduction to electrostatics and electric circuits. Lab work will accompany this course. Outside reading/ research will be required. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student

and parent/ guardian will sign a contract to this effect and will pay the examination fee prior to the exam. Failure to take the AP exam will disqualify the student from receiving weighted credit. The AP exam will be given in the spring. **Prerequisite: Algebra II with trig.**

**220058- AP Physics II-** Algebra- based physics course that is the equivalent to a second semester algebra based college course. The course covers thermodynamics, fluids, electrostatics, circuits, magnetism, electromagnetic induction, optics, atomic and nuclear physics. Lab work will accompany this course. Outside reading/ research will be required. The student and parent/ guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and parent/ guardian will sign a contract to this effect and will pay the examination fee prior to the exam. Failure to take the AP exam will disqualify the student from receiving weighted credit. The AP exam will be given in the spring. **Prerequisite: AP Physics I and Algebra II with trig.**

**220081- Earth and Space Science -** is an elective science course that focuses on a comprehensive application of all disciplines of science, based on our ever-changing planet and the integration of systems that constantly evolve. Content standards within this course are organized according to 2 core ideas: Earth's Place in the Universe and Earth's systems. Integrated within the disciplinary core ideas of this course are the Engineering, Technology and Applications of Science core ideas.

**220026- Human Anatomy and Physiology-** is an elective biological science with content related to the structure and function of the components of the human body. Studies include, but may not be limited to, structure and function of cells, tissues, and organs; organization of the human body; biochemistry; skeletal, muscular, nervous, endocrine, digestive, respiratory, cardiovascular, integumentary, immune, urinary, and reproductive systems. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. This course includes required dissections **Prerequisites: Successful completion of Biology and a physical science course.**

**220044- Life Science, Field Studies-** For the outdoor type and those truly interested in field work and learning about the environment. This course combines a select group of students from both Decatur and Austin high schools to embark on a unique learning experience at Wetlands Edge Environmental Center (WEEC). Much of the course will be conducted in the field where activities include bio-assessment of streams, wading water using nets and seines and more. Emphasis of the course will be on aquatic ecosystems but will include a variety of class and field experiences. **Class will require a strong commitment from students as it can only be taught 4<sup>th</sup> block and must extend beyond the regular school day (flexibility with your employer if you work).** Number of absences will be limited due to the nature of the class. Students will drive or carpool to the WEEC site or other study sites daily for class. **An application is available in the guidance office. Prerequisite Biology, Chemistry I, application and current driver's license.**

## SOCIAL STUDIES DEPARTMENT

**230016- United States History to 1877- (10<sup>th</sup> grade)** Chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; concepts related to Alabama history and geography.

**230018- United States History to 1877, Advanced- (10<sup>th</sup> grade)** Advanced work in the chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; concepts related to Alabama. This course is an above grade-level class equivalent to an introductory college course in early United States history through Reconstruction. The students will evaluate historical materials to weigh the evidence and interpretation presented by historical research. The students will analyze the political, social, economic, literary and cultural history of the United States. Students will participate in discussion, write essays and use primary sources to write document-based questions (a minimum of 2 timed writings each 9 weeks). This course requires the ability to comprehend college level material, to synthesize new information and be a self-motivated learner. **It is expected that students signing up for Advanced 10 will continue with AP.** Summer reading is required. **TEACHER RECOMMENDATION FROM ADVANCED WORLD HISTORY TEACHER REQUIRED.**

**230019- United States History from 1877 to the Present- (11<sup>th</sup> grade)** 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, concepts related to Alabama history and geography. This is a required class that continues the study of United States history begun in the tenth grade. The eleventh-grade component focuses on Post Reconstruction America with a concentration on Alabama. Knowledge and understanding gained during previous years of study provide the foundation for the critical analysis required in this course.

**230022- AP United States History- (11th grade)** College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for United States history. This is an above grade-level class equivalent to an introductory college course in United States history, reconstruction through current times. The students will evaluate historical materials to weigh the evidence and interpretation presented by historical research. The students will analyze the political, social, economic, literary and cultural history of the United States. Students will participate in discussion, write essays and use primary sources to write document-based questions (a minimum of 2 timed writings each 9 weeks). This course requires the ability to comprehend college level material, to synthesize new information and be a self-motivated learner. Summer reading is required. **Prerequisite: Students must have taken Advanced 10 US History**

**and be enrolled AP English.** This course must be signed for by Coach Ray in room s-103. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit. **TEACHER RECOMMENDATION FROM COACH RAY REQUIRED**

**230041- United States Government- (12<sup>th</sup> grade)** This is a one-semester required class that gives seniors a detailed understanding of the function and practical workings of government at all levels in the nation. While a great deal of factual information is necessary in this course, students should also acquire an appreciation and understanding of what it means to be a citizen. The students will focus on 4 different topics for this course; Representative Democracy, Federalism, Political and Civic Life, International Relations Social participation provides an opportunity to practice democratic ideals and citizenship. **This is a ½ credit course**

**230047- United States Government and Politics, AP – (12<sup>th</sup> grade)** College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for U. S. government and politics. This is an accelerated government course designed to give students critical perspectives on government and politics in the United States. This course involves both the studies of general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. The students will focus on five different topics for this course. Constitutional Underpinnings of American Government, Political Beliefs and Behavior, Political Parties and Interest Groups, Institutions and Policy Processes of National Government, Civil Rights and Civil Liberties. Students will be required to provide an outside reading book. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit. **This is a year-long course.**

**230051- Economics – (12<sup>th</sup> grade)** This is a required one-semester survey course for twelfth graders covering macro and micro economics. It introduces economic theory and provides students with a broad knowledge of modern day world economic systems, in particular the American capitalist system. Economics includes the use and interpretation of charts, graphs, tables and other statistical information. Students apply their understanding of basic economic concepts and skills to analyze current issues and problems. Basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve bank. **This is a ½ credit course**

**230054- Macroeconomics, AP- (12<sup>th</sup> grade)** College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for macroeconomics. The focus of study is the U.S. capitalist system. The content will help students develop critical thinking skills through the understanding, application and analysis of fundamental economic concepts. Students will weigh the merits of different economic theories and understand the divergent policies that ensue. This course will illustrate the derivation of major statistical measures and how to use models, such as graphs, to predict the outcome of domestic and foreign policy decisions. College credit may be earned through the A.P. exam. Government also for their twelfth-grade social studies credit. Students need to have completed one mathematics course beyond geometry. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit. **This is a year-long course.**

**905044/905005- American History 201/ 202 Dual Enrollment** – Each class tuition is \$450.00 (approximate), these classes are college courses required needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**905022/905003- World History 121/122 (Western Civilization) Dual Enrollment** – Each class tuition is \$450.00 (approximate), these classes are college courses required needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**909801- Political Science 211 Dual Enrollment** – Class tuition is \$450.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**902600- Economics 231 Dual Enrollment** – Class tuition is \$450.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**904000- World Geography 100 Dual Enrollment** – Class tuition is \$450.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

### **SOCIAL STUDIES ELECTIVES**

**280101 AP Art History** - See The Visual Arts Dept.

**230071- Psychology-** This course acquaints students with psychological theories, principles, and practices associated with 5 major subfields of this field of study: methods, bio-psychological, developmental, cognitive, and socio-cultural. The study of psychology requires a flexible, investigative classroom environment that allows for experimentation and participatory activities. Students are encouraged to use critical thinking skills employed by

psychologists in the practice of their science. **This course is ½ credit and may be paired with Sociology.**

**230081- Sociology-** This is the study of human society that focuses on the formation and action of human groups. A general study of sociology includes topics such as culture and society, social inequality, social institutions, and social change. The topics included in this course require students to possess a general knowledge of the world in which they live and an understanding of how individuals interact in various kinds of groups. Students are challenged to actively research and discuss the influence of genetics, demographics, religion and personal behaviors upon society. **This course is ½ credit and may be paired with Psychology.**

**230072-AP Psychology-**is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

**230201- Current Events** is an elective course for 10th-12th graders designed to introduce students with current events of state, national and international interest. Students acquire skills for collecting information, using primary sources, analyzing editorials, forming opinions and reflecting upon the patters of history and the implication of current events for the U.S., Alabama, and the individual. NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION

**230032ah- World War II and the Cold War-** The class will center on the time period of the Second World War and Cold War. Students will cover material from each side's perspective and look at the causes, practice, course, and effects of the war. Students will analyze the social, political, economic, and diplomatic influences on the war. Students should be independent learners and self-motivated. The class will also focus on the post-war conflict between the US and the Soviet Union. Focus will be on the presidencies of Truman, Eisenhower, Kennedy, Johnson, Nixon, Ford, Carter, Reagan and their foreign policy with the Soviets. Students will need to be self-motivated and independent. Methods used in class will be document-based questioning, debate, daily work, and tests. Students that are interested in this part of American History should sign up. NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION

**230032al- History through Film- (11<sup>th</sup> and 12<sup>th</sup> graders)** This course will use film as a means to approach significant issues in history. Students will be asked to watch, discuss and analyze historically based films. Students will be expected to complete a written critique of each film viewed. The focus of this class will be on how films accurately portray historical topics. Some of the major themes that this class will deal with are Genocide, Heroism in Combat, Overcoming impossible circumstances and Civil Rights issues.

## WORLD LANGUAGES DEPARTMENT

**270023- French I-**Students will be introduced to the French language and cultures of France and other French-speaking nations. Basic skills are stressed in the areas of speaking, listening, reading, and writing in French. The acquisition of vocabulary is especially emphasized. Students will be expected to speak French and to participate in activities with other students. Students must have a C average or higher in English.

**270024- French II-**Students build upon the vocabulary and basic grammar taught in French I to become more proficient. Students become more adept in creating with language. Students must purchase a French/English dictionary. **Prerequisite: A C average or higher in French I is recommended.**

**270025- French III-**Students continue to build communicative skills, review grammar, read and write creatively, and gain more insight into French culture, including art and history. **Prerequisites: The successful completion of French II, and the recommendation of former instructors.**

**270026- French IV-** Students will become highly proficient. Students will improve their communicative competence through the study of French history, art, literature, and culture. **Prerequisite: The successful completion of French III and the recommendation of former instructors**

**270033- French V -** This course is primarily in French. Content includes extensive reading of French literature in French, in depth study of French and French culture and History, as well as composition of essays in French. The student will exhibit a higher skill level of reading, speaking, listening and writing in French. **Prerequisite: Successful completion of French 4 and teacher recommendation.**

**270153- Spanish I-**Students will be introduced to the Spanish language and culture of Spanish-speaking nations. Basic skills are stressed in the area of speaking, listening, reading, and writing in Spanish. The acquisition of vocabulary is especially emphasized. Students will be expected to speak Spanish and to participate in activities with other students. Students must have a C average or higher in English.

**270154- Spanish II -**Students build upon the vocabulary and basic grammar taught in Spanish I to become more proficient. Students become more adept in creating with language. Students must purchase a Spanish/English dictionary. **Prerequisite: A C average or higher in Spanish I is recommended.**

**270155- Spanish III -**Students continue to build communicative skills, review grammar, read and write creatively, and gain more insight into Spanish culture and civilization. **Prerequisite: The successful completion of Spanish II, and the recommendation of former instructors.**

**270156- Spanish IV -**Students will become highly proficient. - Students will improve their communication competence through the study of the history, art, literature, and cultures of Spanish-speaking nations. **Prerequisite: The successful completion of Spanish III and the recommendation of former instructors.**

**270156aa- Spanish V –** This course is primarily in Spanish. Content includes extensive reading of Spanish literature in Spanish, in depth study of Spanish and Hispanic culture and History, as well as composition of essays in Spanish. The student will exhibit a higher skill level of reading, speaking, listening and writing in Spanish. **Prerequisite: Successful completion of Spanish 4 and teacher recommendation.**

**270157- Spanish Language, AP-** This course work is conducted primarily in Spanish. Content includes extensive reading of Spanish literature in Spanish, in depth study of Spanish and Hispanic culture and history, as well as composition of essays in Spanish. The student will exhibit skill levels of reading, speaking, listening and writing consistent with those in sophomore level college classes by the completion of this fourth year of Spanish. Students will be required to purchase books and workbooks. This course is weighted 10 points for students who take the AP exam. **Prerequisite: The successful completion of Spanish III, and the recommendation of former instructors. *The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.***

## PHYSICAL EDUCATION DEPARTMENT

**240002- Boys LIFE Physical Education-** consists of instruction in and knowledge of a variety of activities such as individual and conditioning exercises, rhythms, tumbling, gymnastics, team sports, and individual sports. The high school required course, LIFE (Lifetime Individualized Fitness Education) provides a blueprint for a lifetime of healthy living.

**240002ab - Girls LIFE Physical Education-** consists of instruction in and knowledge of a variety of activities such as individual and conditioning exercises, rhythms, tumbling, gymnastics, team sports, and individual sports. The high school required course, LIFE (Lifetime Individualized Fitness Education) provides a blueprint for a lifetime of healthy living.

## PHYSICAL EDUCATION ELECTIVES

**802208ag - Body Conditioning - (Girls only) (grades 10-12) –** A Uniform will be required for this course! Is a course focused on developing a healthy body composition through aerobic training and body sculpting. Activities included will be floor aerobics, tae bo, walking, step aerobics and body sculpting. **Prerequisite: 1 credit of the LIFE course or 1 exemption from the LIFE course. PE teacher approval required.**

**802208au - Strength Training/Conditioning - (Boys only) (grades 10-12)** is a course focused on improving all five (5) components of fitness through strength training and aerobic activities. **Prerequisite: 1 credit of the LIFE course or 1 exemption from the LIFE course. PE teacher approval required.**

**240016-Team Sports (Boys or Girls)-** is a course focused on the fundamentals of team sports, sportsmanship, cooperation and different exercise options

## **BAND & MUSIC PERFORMANCE**

**283100-Concert Band- (Teacher required)** is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who have passed an audition by the director or have been recommended by their middle school band director. The marching band performs for all football games, homecoming parade, Christmas parade, and special community activities. The band actively participates in State Music Performance Assessment. The individual students are encouraged to participate in Solo and Ensemble recitals and encouraged to participate in All-State Band auditions.

**283200-Symphony Band- (Teacher required)** is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 10-12 who have passed an audition by the director and whose instrumental ability is on or above the A level. The marching band performs for all football games, homecoming parade, Christmas Parade, and special community activities. The band actively participates in State Music Performance Assessment and other in-state or out-of-state honor performances. The individual students are strongly encouraged to participate in Solo and Ensemble recitals and strongly encouraged to participate in All-State Band auditions.

**283112- Percussion- (Teacher permission required)** is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who play concert and marching percussion instruments and who have passed an audition by the director. Members of this ensemble perform with the Symphony Band, the Concert Band, the Cadet Band, and the Marching Band as well as performing with the Percussion Ensemble.

**283119-Instrumental Music- (Teacher permission required)** is a non-performance class in which small groups of students receive instruction on an individual basis. Individual practice is required during class and students receive private lessons once or twice a week. Music Theory is taught as a part of the class when the makeup of the class lends itself to being a productive activity for the students. Students are encouraged to participate in Solo and Ensemble recitals and All State Band Auditions. **Prerequisite: Member of Concert Band or Symphonic Band**

**283105-Jazz Band –(Teacher permission required)** This course offers students the opportunity to explore a wide variety of the rich history of the uniquely original American art form of jazz. Jazz Band is open to student who are participating in Concert or Symphonic

Band and Marching Band. Instrumentation of this ensemble is the traditional big band instrumentation, but may include other instruments as students express interest.

**283219- Color Guard- (Teacher permission required)** is one of the performing ensembles that accompanies the Marching and performing bands.

## **CHORAL DEPARTMENT**

**283602- Vocal Level I –Men’s Choir-** is a one-credit course for beginners. This course offers beginning voices the opportunity to develop skills which will allow them to be successful in more advanced mixed ensembles. Content standards for Level I emphasize the fundamentals of singing, sight-reading, listening and beginning theory. Students have the opportunity to perform a varied repertoire of literature from various stylistic periods and composers, compare music of various cultures, and learn how concepts in music relate to concepts in other disciplines. Vocal Level I is the pre-requisite for all of the advanced vocal courses. Requirements: Fall and Spring Concert participation mandatory. A \$55.00 fee is required.

**283601-Vocal Level I –Women’s Choir –** is a one credit course. This course offers beginning or intermediate singers the opportunity to develop skills which will allow them to be successful in more advanced mixed ensembles. Level 1 Vocal Music is designed to address the needs of young musicians who are eager to explore vocal music instruction regardless of grade level. Content standards for Level 1 emphasize the fundamentals of singing, sight-reading, listening and beginning theory. Students have the opportunity to perform a varied repertoire of literature from various stylistic periods and composers, compare music of various cultures and learn how concepts in music relate to concepts in other disciplines. Vocal Level 1 is required for all other advanced vocal courses. Requirements: Mandatory participation in multiple performances and a \$55.00 fee.

**283800- Concert Choir- Vocal II (Teacher Permission Only) –** is a one credit course designed to extend students’ vocal music knowledge and skills and provide students with a deeper understanding and appreciation of the study of music. The level of students’ technical skills and artistry increase as students strive to perfect their voices. Students sight-read three and four part literature and demonstrate technical expertise in producing a characteristic vocal sound individually and in groups. They perform a varied repertoire of music in various languages and are proficient in evaluation performances. An audition process is required. Pre-requisite: Vocal Level I, audition and permission of the instructor. Requirements: Participation in multiple performances is mandatory. A \$55.00 fee is required.

**283605 - Show Choir- Vocal III (Teacher Permission Only)-** is a one credit course made up of male and female voices. This is an advanced, auditioned/selected vocal ensemble that performs using accompanied music from the 20th century – present, choreography, and costumes. However, music from other eras is also used throughout the course of the year. Emphasis is placed upon quality singing and tone production, choreography, responsibility to an organizational effort, independence of thought, critical thinking, and analysis of ones' own and ensembles' performance, and attention to detail and high expectation in performance and comprehension of the subject matter. An audition process is required.

*Pre-requisite: Vocal Level I, audition and permission of the instructor. Requirements: Participation in one other choral group is mandatory. A \$55.00 fee is required.*

**283604- Chamber Choir- Vocal IV (Teacher Permission Only)-** is a one-credit course designed to extend students' vocal music knowledge and skills and provide students with a deeper understanding and appreciation of the study of music. The level of students' technical skills and artistry increase as students strive to perfect their voices. Students fluently sight read multipart literature and demonstrate technical expertise in producing a characteristic vocal sound individually and in groups. They perform a varied repertoire of music in various languages and are proficient in evaluation performances. Level IV standards are appropriate for the school's most successful vocal musical ensembles. An audition process is required.

*Pre-requisite: Vocal Level I, audition and permission of the instructor. Requirements: Participation in one other choral group is mandatory. A \$55.00 fee is required.*

**283609-Vocal Techniques (Teacher Permission Only)-** is a one-credit course for male or female singers. It will primarily be for independent study. The students will have a voice lessons with the choral director. Students will be given theory assignments, article reviews and listening/reflection assignments. Students will learn techniques in breathing, vowel formation, posture and facial expression. This is an excellent course for students wanting to enhance their individual vocal performance, auditioning for All State Chorus, Honor Choir, music scholarships or pursuing a career in vocal music education or vocal performance. *Pre-requisite: Vocal Level I, audition and permission of the instructor. Requirements: Participation in multiple performances is mandatory. A \$25.00 fee is required.*

## **DRAMA DEPARTMENT**

**285100- Theatre Level I Introduction to Dramatics- (grades 9-12) Drama teacher recommendation required.** This is a general dramatics instruction introducing basic theatrical terminology, theatre history, stage directions, and theatre appreciation. This course includes opportunities for a student to gain self-confidence through improvisation activities and theatre games. MANDATORY attendance at all Austin theatrical productions is required. Excellent class to fulfill fine arts credit, but will not count as an English credit.

**285300- Theatre Level III Advanced Dramatics- (grades 10-12)** either Intro or Intermediate Dramatics class required. **Drama teacher approval only**, for students continuing in the Austin Drama Department. More in-depth instruction and application of theatrical principals and acting techniques, as well as theatre activities. Focus on Performance with a concentration on Drama Department shows. Students may participate in statewide theatre competition, but MANDATORY participation in Austin Drama productions required. Counts as a fine arts credit, but not an English credit.

**285102- Theatre Production STAGE PRODUCTION ( grades 10-12)** Either Intermediate or Advanced Dramatics class required with **Drama teacher approval only**. For students interested in the behind-the-scenes technical aspect of theatre production. Study of dramatic/comedic/musical theatre scripts and the planning of a large scale production. Hands-on experience in various elements of technical theatre. The physical building, painting and other aspects of show preparation will occur during class. Students are required (Mandatory) to participate in all AHS drama shows. Students may audition for all Austin plays if desired. Students may participate in statewide theatre competition, but MANDATORY participation in Austin Drama productions required. Counts as a Fine Arts credit, but not an English credit.

## **VISUAL ARTS DEPARTMENT**

**286100a-Introduction to Visual Arts** - This course is an exploration of visual art forms and their cultural connections for the student with little experience in the visual arts. It includes a brief study of art history and in-depth study of the elements, media and methods used in creative thought and process.

**286101- Ceramics & Crafts** - This class is an introduction to clay, fine crafts, and 3-D design with an emphasis on hand building and learning throwing techniques. Applied (functional) art techniques will also be taught. Students are encouraged to explore creative expression by solving problems of three dimensional form and utilizing surface embellishment. Other techniques may include but are not limited to jewelry, stained glass, textiles, and mixed-media.

**286207- Ceramics & Crafts II, 286307-Ceramics & Crafts III, or 286407-Ceramics & Crafts IV** - A continuation of the previous course with an emphasis on building a body of work and preparing the student's portfolio for college and scholarship applications.

**286100b- Drawing I** - If you love to draw, or don't know how and want to learn, this is the class for you! This is a one-credit course where you will learn two-dimensional design; problem-solving using a variety of drawing media and techniques; elements and principles of design; aesthetics; criticism and art history; evaluation of artwork.

**286210-Drawing II, 286310-Drawing III, or 286410-Drawing IV** -A continuation of the previous course with an emphasis on building a body of work and preparing the student's portfolio for college and scholarship applications.

**282105- Movie Making** - This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing moving and sequential images for the variety of cinematic, film/video, static sequential, and multimedia presentations including: fictional dramas, documentaries, music videos, artistic and experimental presentations and/or installations, interactive, immersive and performance media, traditional and digital comics, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of moving imagery; all processes of development including: storytelling, pre-production planning and organization, production and post-production methods, tools and processes; moving image presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations. **282205-Movie Making II**

**286100c-Painting I** -For everyone who wants to paint! This is a one-credit course where you will learn two-dimensional design; problem-solving using a variety of painting media and techniques; elements and principles of design; aesthetics; criticism and art history; evaluation of artwork.

**286208-Painting II, 286308 Painting III, or 286408 Painting IV** - A continuation of the previous course with an emphasis on building a body of work and preparing the student's portfolio for college and scholarship applications.

**286103-Digital Photography I** - Document the world around you and tell your story through photographs. This is a one-credit course where you will learn elements and principles of design; aesthetics; criticism; art/photography history; evaluation of artwork; proper care and storage of photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; use of technology. *Prerequisite: Prior Art class and teacher permission.* **DIGITAL CAMERA WITH MANUAL SETTING REQUIRED; NO CELL PHONE CAMERA**

**286203-Digital Photography II**- A continuation of the previous course with an emphasis on building a body of work and preparing the student's portfolio for college and scholarship applications.

**280107au- Pre-AP Art History**- No prior art experience necessary. This is an art history survey course designed for students who are taking studio art courses and students who are interested in taking AP Art History. This is also recommended for non-art students who are interested in art or history. It is highly recommended that you take this course if you plan to choose art as a major in college.

**280101- AP Art History** - No art experience necessary. College-level advanced course approved by the College Board Advanced Placement (AP) Program for art; art history; western and non-western art; cultural influences in art; prehistoric through contemporary art; discovery and preservation of art; aesthetics; criticism; analysis and interpretation. **NO RESEARCH PAPER!** Homework is mostly reading and flashcards. \*The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester.

Failure to take the AP exam will disqualify the student from receiving weighted credit.

**280102- AP Studio Art Drawing** - Students will identify a single theme and develop it through sketches, journals, and individual and group critiques. A series of finished drawings and paintings will be completed. Students must be highly motivated and willing to devote the time needed to expand and challenge their visual thinking process and abilities. 24 works will be produced as a portfolio for evaluation at the end of the year. \*Teacher Permission required. \*The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

**282103- Video Game Design (Sequential Art)** - Video games are a multi-billion dollar industry, and you can get a head start in the field while still in high school. Sequential art introduces you to video game design, animation, and comics and then allows you to focus on developing your skills as a video game designer. This is a one-credit course where you will learn two-dimensional design; problem-solving as it relates to storytelling; art as communication; elements and principles of design; aesthetics; the history of sequential art; evaluation of artwork..

**282203- Video Game Design II, 282303-Video Game Design III**- A continuation of the previous course with an emphasis on building a body of work and preparing the student's portfolio for college and scholarship applications. **LAPTOP COMPUTER REQUIRED; MAY BE CHECKED OUT OF LIBRARY IF NEEDED.**

## **CAREER TECHNICAL DEPARTMENT**

**400025- Career Preparedness**- Will prepare students in the areas of career development, academic planning, computer skill application, and financial literacy. Also, this course is designed to meet the required 20-hour online experience.

### **Business Management and Administration**

#### **Pathway**

**450006-BUSINESS COMMUNICATION AND TECHNOLOGY**

**Prerequisite(s):** None

**Certification Opportunity:** MOS

**FEE(s):** \$20 class fee, \$20 FBLA dues

A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

**450009-FOUNDATIONS OF BUSINESS LEADERSHIP****Prerequisite(s):** Business Communication and Technology**Certification Opportunity:** MOS**FEE(s):** \$20 class fee, \$20 FBLA dues

Foundations of Business Leadership is a one-credit course. Students develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in any career. Students examine leadership and management materials to determine impact on business and industry and legal and ethical behavior, determine how resources are managed to achieve company goals, and identify employability and essential skills needed to obtain a career and be successful in the workplace. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

**410023-LAW IN SOCIETY****Prerequisite(s):** Foundations of Business Leadership**Certification Opportunity:** MOS**FEE(s):** \$20 class fee, \$20 FBLA dues

A one-credit course designed to acquaint students with the basic legal principles common to business and personal activities. This course is an overview of criminal, civil, contract, and consumer law. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

**410016-MULTIMEDIA DESIGN****Prerequisite(s):** Career Preparedness**Certification Opportunity:** ACA**FEE(s):** \$20 class fee, \$20 FBLA dues

A one-credit course designed to provide students with hands-on skills involving graphic design, digital photography, Web publishing, and digital video production. Students use various hardware peripherals and software for completing documents. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

**410017-MULTIMEDIA PUBLICATIONS****Prerequisite(s):** Multimedia Design or Law in Society**FEE(s):** \$20 class fee, \$20 FBLA dues

A one-credit course designed to provide students with the ability to utilize digital equipment and multimedia digital imaging software, produce interactive media projects, and develop publication layouts. Students use various hardware peripherals as well as the Internet for integrating skills to create a variety of publications. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

**400017-ENTREPRENEURSHIP****FEE(s):** \$20 class fee, \$20 FBLA dues**Prerequisite(s):** Career Preparedness

This is a specialized business course designed to provide students with the skills needed to effectively organize, develop, create, and manage a business. This course includes business management and

entrepreneurship, communication and interpersonal skills, economics, and professional development foundations.

**Finance Pathway****470012- Accounting****Prerequisite:** Career Preparedness**FEE(s):** \$20 class fee, \$20 FBLA dues

A one-credit course designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on basic accounting, analyzing and recording business transactions, preparing and interpreting financial statements, and performing banking and payroll activities. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

**470013-Advanced Accounting****Prerequisite(s):** Accounting**FEE(s):** \$20 class fee, \$20 FBLA dues

A one-credit course designed to provide students with an increased emphasis on accounting principles and techniques for solving business problems and making financial decisions. The prerequisite for this course is Accounting. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

**400031- Cooperative Education Seminar/Work-Based Experience-** (1 hr & 2 hr) (**11<sup>th</sup>-12<sup>th</sup> grades**) Is a work-based experience which integrates work-based apprenticeships and internships, related to the student's career objective. Co-op students must have a minimum of 140 continuous hours of paid apprenticeship work OR 140 continuous hours of unpaid internship work for each credit of co-op maintained over a one-year period. These apprenticeships or internships are performed under the supervision of a work-place mentor and the work-based classroom/cooperative education Co-op Coordinator. To participate, a student must be 16 years old, have parental permission, have a valid Driver's License, regular transportation, and submit a completed application by the time registration ends to be approved for the program. WITH STATE CURRICULUM CHANGES –YOU MAY ONLY ENTER THE CO-OP PROGRAM AT THE BEGINNING OF THE SCHOOL YEAR (FALL). Credit: 1.0 for each block in the student's schedule

**Prerequisite:** (1) Career & Technical Education course and admission to the Cooperative Education Program by Ms. Cushing

**Sports and Entertainment Marketing Pathway****INTERNET MARKETING (550012)****Prerequisite(s):** Career Preparedness**FEE(s):** \$20 class fee, \$20 FBLA dues

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. The student organization, Future Business Leaders of America (FBLA), is an integral part of the curriculum and FBLA projects will be included in the course.

### Fashion

#### **510041-FASHION**

**Prerequisite(s):** Family and Consumer Sciences

\$30 class fee, \$20 FCCLA dues

A one-credit course designed to introduce students to the selection and care of clothing and accessories for individuals and families throughout the life span. A school-based laboratory is required for this course.

#### **510044-FASHION DESIGN**

**Prerequisite(s):** Fashion

\$30 class fee, \$20 FCCLA dues

A one-credit course designed for students interested in pursuing a career in fashion design. It provides students with knowledge and skills for application of artistic expression related to textiles, apparel, and fashion design. A fashion design studio is the required school-based laboratory for this course.

#### **410015-FASHION MERCHANDISING**

**Prerequisite(s):** Fashion Design

\$30 class fee, \$20 FCCLA dues

A one-credit course designed for students interested in pursuing a career in the fashion and retail industry. Students will explore fashion business operations, merchandising techniques, and technology used in the industry.

### Food and Wellness

#### **510011-FOOD AND NUTRITION**

**Prerequisite(s):** Family and Consumer Sciences

**Fee(s):** \$30 class fee, \$20 FCCLA dues

A one-credit course designed to enable students to explore the relationship between food, nutrition, fitness, and wellness. Students learn how to select and prepare nutritious foods. A school-based laboratory is required for this course.

#### **510016-FOOD INNOVATIONS AND MEDIA**

**Prerequisite(s):** FOOD AND NUTRITION

**Fee(s):** \$30 class fee, \$20 FCCLA dues

Course content provides opportunities for students to explore global food systems; examine trends in food processing and food innovations; research influences on purchasing behavior of consumers; develop and analyze recipes for new food products through experimental food labs; apply social media and digital design techniques, photographic styling applications, and

journalism skills; and explore career options in this specific food industry.

#### **560017-SPORTS NUTRITION)**

**Prerequisite(s):** FOOD INNOVATIONS AND MEDIA

**Fee(s):** \$30 class fee, \$20 FCCLA dues

This course examines the relationship between nutrition, physical performance, and overall wellness. Students will learn how to choose nutritious foods for healthy lifestyles and peak performance. Health and disease prevention through nutrition, physical activity, and wellness practices are essential components of the course. This course emphasizes the metabolic process and management of food choices for optimal health and physical performance. Students are challenged to develop personal fitness and nutrition plans.

### Barbering AT CAREER CENTER

#### **510160-INTRODUCTION TO BARBERING (510160)**

**Prerequisite(s):** None

**Fee(s):** \$30, SkillsUSA \$20

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

#### **510074-CTE LAB IN BARBERING I**

**Prerequisite(s):** INTRODUCTION TO BARBERING (510160)

**Fee(s):** \$30

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

### Cosmetology AT CAREER CENTER

#### **510060-INTRODUCTION TO COSMETOLOGY**

**Prerequisite(s):** None

**Fee(s):** \$30, SkillsUSA \$20

A one-credit course designed to provide students with a study of concepts related to the cosmetology profession. Students gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling.

#### **510061-HAIR COLORING**

**Prerequisite(s):** INTRODUCTION TO COSMETOLOGY (510060)

**Fee(s):** \$30

*A one-credit course designed to provide students with the study and experience in hair coloring and lightening. Emphasis is placed on color application, laws, and levels and classifications of color. The prerequisite for this course is Introduction to Cosmetology.*

### **Culinary Arts AT CAREER CENTER**

#### **500011-HOSPITALITY AND TOURISM**

**Prerequisite(s):** Pass FOOD AND NUTRITION with a C or higher and FACS teacher recommendation

**Fee(s):** \$30 class fee, \$20 FCCLA dues

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

#### **500012-CULINARY ARTS I**

**Prerequisite(s):** HOSPITALITY AND TOURISM

**Fee(s):** \$30

Culinary Arts I will introduce students to basic food production, management, and service activities in both the back- and front-of-the-house. Emphasis is placed on sanitation, safety, and basic food preparation. Skills in mathematics, science, and communication are reinforced in this course.

### **Cybersecurity AT CAREER CENTER**

**\*\*2018-2019 Cyber Security enrollment will be limited to 20 students - classes will be held at time TBD after the regular school day**

#### **520038-FOUNDATIONS OF INFORMATIONAL SECURITY (INFOSEC I) (520038)**

**Co-requisite(s):** Must be concurrently enrolled in Algebra I or higher-level math

**Fee(s):** SkillsUSA \$20

This course introduces students to the field of Cyber Security. Students will become familiar with Microsoft Windows and Linux Operating Systems. They will learn to use multiple numbering systems and how these systems are used in network addressing and operating system configuration. Students will also gain experience in the areas of vulnerability identification, risk assessment, risk mitigation techniques, Wi-Fi security, IP Addressing, and Informational Ethics. This course is weighted 10 points on a 100-point scale.

### **HEALTH SCIENCES**

#### **490007-FOUNDATIONS OF HEALTH SCIENCE**

**Prerequisite(s):** None

**Fee(s):** \$30 class fee, \$20 HOSA dues

**Foundations of Health Science can be substituted for the required health credit for graduation.**

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.

#### **490033-MEDICAL TERMINOLOGY**

**Prerequisite(s):** FOUNDATIONS OF HEALTH SCIENCE (490007)

**Fee(s):** \$30 class fee, \$20 HOSA dues

A one-credit course designed for students to develop health care-specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language by incorporating medical terminology with anatomy and physiology and the disease process.

### **Health Science Pathway AT CAREER CENTER**

#### **490023-THERAPEUTIC SERVICES**

**Prerequisite(s):** MEDICAL TERMINOLOGY

**Fee(s):** \$30 class fee, \$20 HOSA dues

A one-credit course that introduces students to occupations and functions in the therapeutic services pathways. Careers in this area include nursing, medicine, physical therapy, surgical technology, respiratory therapy, emergency medical technician, and more.

#### **490015-HUMAN BODY STRUCTURES**

**Prerequisite(s):** THERAPEUTIC SERVICES

**Fee(s):** \$30 class fee

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.

#### **490014-HEALTH SCIENCE INTERNSHIP**

**Prerequisite(s):** HUMAN BODY STRUCTURES

**Fee(s):** \$30 class fee, \$15 malpractice insurance, \$20 HOSA dues, school scrub uniform, white shoes, and a watch with a second hand

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

### **Sports Medicine Pathway AT CAREER CENTER**

#### **490028-SPORTS MEDICINE FUNDAMENTALS**

**Prerequisite(s):** MEDICAL TERMINOLOGY

**Fee(s):** \$30 class fee, \$20 HOSA dues

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.

**490025-SPORTS MEDICINE INTERMEDIATE****Prerequisite(s):** SPORTS MEDICINE FUNDAMENTALS**Fee(s):** \$30 class fee

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.

**490025-SPORTS MEDICINE ADVANCED****Prerequisite(s):** SPORTS MEDICINE INTERMEDIATE (490025)**Fee(s):** \$30 class fee, \$20 HOSA dues

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.

**490045-SENIOR CAREER PATHWAY PROJECT – SPORTS MED****Prerequisite(s):** SPORTS MEDICINE ADVANCED (490025)**Fee(s):** \$30 class fee

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

### **Engineering Design and Advanced Manufacturing** **AT CAREER CENTER**

**410005-INTRODUCTION TO DRAFTING DESIGN****Prerequisite(s):** None**Fee(s):** \$30, SkillsUSA \$20

A one-credit course designed to provide students with instruction and experiences in computer-aided drafting (CAD) functions and techniques using CAD software applications.

**590306-FOUNDATIONS OF ENGINEERING DESIGN (590306)****Prerequisite(s):** INTRODUCTION TO DRAFTING DESIGN (410005)**Fee(s):** \$30

This course for high school students builds on the skills introduced through the Greenpower F24 Middle Grades Program. Students use software to design, build, and race an electric car. Students work to

create an F24 race car utilizing advanced manufacturing technologies and compete at GreenpowerUSA events.

**590307-INTERMEDIATE ENGINEERING DESIGN (590307)****Prerequisite(s):** FOUNDATIONS OF ENGINEERING DESIGN (590306)**Fee(s):** \$30, SkillsUSA \$20

This course builds on the skills introduced through the Foundations of Engineering Design. Students also work to create a more advanced F24 race car utilizing additive manufacturing technologies and compete at GreenpowerUSA events.

**560116-ENGINEERING DESIGN AND ADVANCED MANUFACTURING****Prerequisite(s):** INTERMEDIATE ENGINEERING DESIGN**Fee(s):** \$30

Students will engage in the hands-on engineering design and manufacturing processes associated with Additive Manufacturing: fused deposition, laser sintering and composite layup. Students will continue advanced CAD drafting by designing and then creating parts both for understanding and to meet a customer or design challenge chosen and apply for CAD certification. The customer interface, which can be with an industry partner, will provide the student with skills in designing to meet requirements – essential in the career field. Students work to create a more advanced F24 race car utilizing advanced manufacturing technologies and compete at GreenpowerUSA events.

**560117-ADVANCED ENGINEERING DESIGN AND MANUFACTURING****Prerequisite(s):** ENGINEERING DESIGN AND ADVANCED MANUFACTURING**Fee(s):** \$30, SkillsUSA \$20

Students will engage in a personally tailored engineering design and manufacturing project associated with Additive Manufacturing as a capstone event. Students will be exposed to state-of-the-art engineering design concepts such as 3D scanning and advanced CAD software tools. Students will add to their knowledge base with information detailing the manufacturing process and go in depth into composites by creating molds, working with resins and polymers, and investigating effects of temperature and pressure. Students work to create a customized F24 race car utilizing advanced manufacturing technologies and compete at GreenpowerUSA events.

**432910-CTE LAB – ENGINEERING DESIGN AND ADVANCED MANUFACTURING (432910)****Prerequisite(s):** ADVANCED ENGINEERING DESIGN AND MANUFACTURING (560117)**Fee(s):** \$30

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Engineering Design and Advanced Manufacturing 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.

### **Precision Machining AT CAREER CENTER**

#### **540048-INTRODUCTION TO MILLING (540048)**

**Prerequisite(s):** None

**Fee(s):** **Fee(s):** \$30, SkillsUSA \$20

A one-credit course that provides an introduction to manufacturing processes including milling techniques, drill press techniques, and grinding techniques. Career and technical student organizations, Skills USA are integral, co-curricular components of each career and technical education course. NIMS (National Institute for Metal Working Skills) credentials can be earned while enrolled in this course.

#### **540047-INTRODUCTION TO LATHE**

**Prerequisite(s):** INTRODUCTION TO MILLING (540048)

**Fee(s):** **Fee(s):** \$30

A one-credit course that provides an introduction to the manufacturing process that uses basic lathe operations. Job shadowing and internship may be included as work-based learning strategies for this course. The prerequisite for this course is Introduction to Precision Machining. Career and technical student organizations, Skills USA are integral, co-curricular components of each career and technical education course. NIMS (National Institute for Metal Working Skills) credentials can be earned while enrolled in this course.

#### **540050-INTERMEDIATE MILL AND SURFACE GRINDER**

**Prerequisite(s):** INTRODUCTION TO LATHE (540047)

**Fee(s):** **Fee(s):** \$30, SkillsUSA \$20

A one-credit course that provides an introduction to manufacturing processes including instruction in advanced milling and grinding operations. The prerequisite for this course is Introduction to Milling, Drill Press, and Surface Grinder. Career and technical student organizations, Skills USA are integral, co-curricular components of each career and technical education course. NIMS (National Institute for Metal Working Skills) credentials can be earned while enrolled in this course.

#### **540049-INTERMEDIATE LATHE AND BENCHWORK**

**Prerequisite(s):** INTERMEDIATE MILL AND SURFACE GRINDER (540050)

**Fee(s):** \$30

A one-credit course that provides an introduction to machining technologies and job opportunities for students who are pursuing careers in manufacturing. The prerequisite for this course is Introduction to Lathe. Career and technical student organizations, Skills USA are integral, co-curricular components of each career and technical education course. NIMS (National Institute for Metal Working Skills) credentials can be earned while enrolled in this course.

#### **540042-INTRODUCTION TO COMPUTER NUMERICAL CONTROL**

**Prerequisite(s):** INTERMEDIATE LATHE AND BENCHWORK (540049)

**Fee(s):** **Fee(s):** \$30, SkillsUSA \$20

A one-credit course that introduces students to manufacturing processes and job opportunities in manufacturing with emphasis on National Skills Standards of the National Tool and Dies Association, Machining Association, and NIMS. The prerequisite for this course

is Introduction to Precision Machining. This entry-level course may be taken as one of the optional technical courses with credit applied to the Industrial Systems and Maintenance program. Career and technical student organizations, Skills USA are integral, co-curricular components of each career and technical education course. NIMS (National Institute for Metal Working Skills) credentials can be earned while enrolled in this course.

#### **540043-INTERMEDIATE COMPUTER NUMERICAL CONTROL**

**Prerequisite(s):** INTRODUCTION TO COMPUTER NUMERICAL CONTROL (540042)

**Fee(s):** \$30

A one-credit course that provides practical applications to manufacturing processes including advanced CNC programming, set-up, and proper operations. The prerequisite for this course is Introduction to Computer Numerical Control. Career and technical student organizations, Skills USA are integral, co-curricular components of each career and technical education course. NIMS (National Institute for Metal Working Skills) credentials can be earned while enrolled in this course.

### **Automotive Technologies AT CAREER CENTER**

#### **570071-MAINTENANCE AND LIGHT REPAIR A (570071)**

**Grade:** 10      **Credit:** 1.0      **Prerequisite(s):** None

**Fee(s):** \$30, SkillsUSA \$20

A one-credit course that provides students with foundational knowledge and skills relative to safety, engine repair, automatic transmissions and manual drive trains.

#### **570072-MAINTENANCE AND LIGHT REPAIR B**

**Prerequisite(s):** MAINTENANCE AND LIGHT REPAIR A

**Fee(s):** \$30

A one-credit course that provides students with foundational knowledge and skills relative to safety, suspension and steering, and brakes.

#### **570073-MAINTENANCE AND LIGHT REPAIR C**

**Prerequisite(s):** MAINTENANCE AND LIGHT REPAIR B

**Fee(s):** **Fee(s):** \$30, SkillsUSA \$20

A one-credit course that provides students with foundational knowledge and skills relative to safety, brakes, and electrical/electronic systems.

#### **570074-MAINTENANCE AND LIGHT REPAIR D**

**Prerequisite(s):** MAINTENANCE AND LIGHT REPAIR C

**Fee(s):** \$30

A one-credit course that provides students with foundational knowledge and skills relative to safety, engine performance, electrical/electronic systems, and heating and air conditioning.

**570087-CTE LAB – AUTO TECH****Prerequisite(s):** MAINTENANCE AND LIGHT REPAIR D (570074)**Fee(s):** \$30, SkillsUSA \$20

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

**570080-SENIOR CAREER PATHWAY PROJECT – AUTO TECH****Prerequisite(s):** CTE LAB – AUTO TECH (570087)**Fee(s):** \$30

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

**Building Science AT CAREER CENTER****432307-NCCER CARPENTRY 1****Prerequisite(s):** None**Fee(s):** \$30, SkillsUSA \$20

This is the first of 3 required one-credit courses in the Carpentry pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand and power tools, building materials, fasteners, adhesives, and flooring systems needed for NCCER Carpentry Level I Credentialing.

**432202-NCCER CARPENTRY 2****Prerequisite(s):** NCCER CARPENTRY 1**Fee(s):** \$30

A one-credit course designed to provide students with advanced knowledge and skills emphasizing floor wall, ceiling, and basic construction layout needed for NCCER Carpentry Level I Credentialing.

**432303-NCCER CARPENTRY 3 (432303)****Prerequisite(s):** NCCER CARPENTRY 2 (432302)**Fee(s):** \$30, SkillsUSA \$20

A one-credit course designed to provide students with advanced knowledge, skills and practice emphasizing wall, ceiling, and roof framing, windows, entrance doors, and stair layout needed for NCCER Carpentry Level I Credentialing.

**412101-NCCER BUILDING CONSTRUCTION 1: CONSTRUCTION FRAMING (412101)****Prerequisite(s):** NCCER CARPENTRY 3 (432303)**Fee(s):** \$30

A one-credit course designed to complete all Core requirements for NCCER Core credentialing and to facilitate students' understanding of the framing components of typical structures. Emphasis is placed

on safety, floor systems, wall and ceiling framing, stair construction, and roof framing.

**JROTC**

**Students in JROTC are expected to follow a strict dress code and will be required to wear their uniforms on the days designated by the command staff.**

**480041- Army JROTC Leadership Education and Training I (LETI)-**

During the first year, cadets will receive classes on Introduction to JROTC, Leadership, First Aid, Map Reading, Techniques of Communication, and How to Study. The desired learning outcome is an appreciation of the ethics, values, and principles that underlie good citizenship which includes integrity, character, and respect for constituted authority.

**480042- Army JROTC Leadership Education and Training II (LETII)-**

During the second year, cadets will build upon what was learned during the first year to include courses in History, Drug Awareness, Unlocking Your Potential, Marksmanship, and Safety. The desired learning outcome is the development of leadership skills and the development of the ability to live and work cooperatively with others.

**480043- Army JROTC Leadership Education and Training III (LETIII)-**

During the third year of JROTC, cadets will take courses in Applied Leadership, to include, Cadet Challenge, Leadership Lab, U.S. Military History, Technology Awareness, and The Role of the U.S. Armed Forces. The desired learning outcome includes the appreciation of the importance of physical fitness and the development of the ability to think in a logical manner.

**480044- Army JROTC Leadership Education and Training IV (LETIV)-**

During the fourth year, cadets will take courses dealing with the Psychology of Leadership.

These include Protocol and Military Etiquette, Unlocking your Potential, and Winning Colors. The desired learning outcome includes the development of basic skills that are necessary to work effectively as a member of a team and the understanding of the importance of high school graduation to a successful future.

**MISCELLANEOUS ELECTIVES**

**250002- Health Education-** It is a diversified course covering many contemporary topics. The units covered will include, but not be limited to: mental wellness, personal fitness, nutrition, parenting, CPR, first aid, and sexually transmitted diseases. **THIS COURSE REQUIRED FOR ALL DIPLOMA TYPES. This is a ½ credit course.**

**290001- Driver and Traffic Safety Education-** Safe driving theory; in class study; driving hazards; boating safety; behind the wheel experience, safety practices and a practical application of traffic laws. **A valid driver's permit is required. This is a ½ credit class**

**802200ab - ACT PREP CLASS-** This is a class for students that wish to improve their test taking abilities and better prepare for the college entrance exams.

**802110- AUSTIN AMBASSADOR –You must be an Austin Ambassador to enroll in this course.** Students will travel to elementary schools daily and mentor students in grades K-5. In addition, students will enhance and utilize their leadership skills. **Must have approval from Mrs. A. Williams-M13 to register for this course.**

**802206- Office Assistant-(11<sup>th</sup> and 12<sup>th</sup> grade)** Guidance, Business Education, Lab Assistant, and Main Office assistants provide the opportunity to develop skills for solving problems, demonstrating initiative, and interacting with students, faculty, and the public under the supervision of the office staff. Criteria for selection: be in good academic standing and continue to make good grades, absences of any offenses against the Student Code of Conduct, good attendance record, recommendations from current teachers, and a written request explaining what expertise the student has to offer. **A written application for Office Assistant must be submitted in the Guidance Office.**

**802207- Academic Tutor- (12<sup>th</sup> grade)** provides students the opportunity to learn about teaching and interacting with others by assisting students in various academic subjects under the supervision of the classroom teacher. Tutors will be assigned to a teacher and subjects based on their area(s) of expertise. It is expected that both tutors and students being tutored will experience academic and social growth. Criteria for selection: a senior with a minimum of “B” cumulative average (3.0 GPA), absence of any offenses against the Student Code of Conduct, good attendance record, at least two teacher recommendations, and a written request explaining what expertise the student has to offer. **A written application for participation in Academic Tutoring must be submitted to the Guidance Office.**

**802202ab - Yearbook - (10<sup>th</sup> -12<sup>th</sup> grades)** (Teacher permission only) exposes students to the principles of layout design, copy writing, editing, photography (basics), photo preparation, and caption writing. By meeting deadlines, students will learn to work under time pressure. Their main responsibility will be to prepare the school yearbook for publication. This includes duties involving photo scheduling, yearbook sales, and fundraising activities. This course is an elective credit and not an English credit. **See Ms. Hutchison-BE3** for more information.

**802206ac-Library Assistant** provides the opportunity to develop skills for solving problems, demonstrating initiative, and interacting with students, faculty, and the public under the supervision of the Library Media Specialist. Duties include: operating the school supply Store, maintaining the library collection and library, checking out books, helping students and staff use resources, including the electronic catalog, and maintaining the library media center. Criteria for selection: be in good academic standing and continue to make good grades, be an example of one who follows school policy in all matters, a willingness to uphold all of these responsibilities each class meeting, absences of any offenses against the Student Code of Conduct, good attendance record, recommendations from current teachers, and a written request explaining what expertise the student has to offer. **See Ms. Sabrina Smith in the library** for an application.

**802206ad- Science Lab Assistant** - Needed to maintain and help set up the labs for the Science classes. An assistant's responsibility includes, but is not limited to, the following: maintaining the labs and reporting any problems, monitoring student use of the lab, aiding students and teachers using the lab, mixing chemicals, taking inventory and keeping the labs clean and neat. Any student interested in being a lab assistant must **see Mrs. Clark in S204** for an application.

## ATHLETICS

**802208 Extracurricular, Competitive Athletic Teams** Each Athletics course is a year-round course and requires coach’s approval

Varsity Boys Basketball- 802208ai --Coach Miles  
 Junior Varsity Boys Basketball- 802208aj --Coach Miles  
 Varsity Girls Basketball 802208ak -- Coach Hamilton  
 Junior Varsity Girls Basketball 802208al -- Coach Hamilton  
 Varsity Football 802208an --Coach Perkins  
 Junior Varsity Football 802208ao -- Coach J. Smith  
 Baseball 802208ah --Coach T. Stephenson  
 Softball (Girls) 802208aq -- Coach J. Stephenson  
 Cheerleading 802208am --Coaches Dowdell and C. Cameron  
 Golf (Boys and Girls) 802208ap --Coach Shannon

Volleyball (Girls) 802208bd --Coach Lawrence  
 Wrestling (Boys) 802208cj—  
 Coach Knox  
 Cross Country 802208bc -- Coach Boston  
 Track (Boys or Girls) 802208bc- Coach Burton and Coach Welch  
 Tennis (Boys and Girls) 802208bb -- Coach Pendegraft  
 Soccer (Boys) 802208as --Coach Knox  
 Soccer (Girls) 802208at -- Coach Simpson  
 Swimming (Boys & Girls) 802208ck – Mr.Bobbitt

### ACCESS

ACCESS courses are online courses completed in a virtual classroom or with a web-link to a real classroom. Many of these courses may not make due to the number of requests. ACCESS courses are available to students as an online option for classes not taught on our campus and for those with scheduling conflicts when available. Below is a list of some of the available courses. See your counselor for more details.

**Electives**

Creative Writing  
 Global Studies  
 Psychology  
 Personal Finance  
 Nutrition and Wellness  
 Web Design I  
 Web Design II  
 Workforce Essentials  
 Computer Programming BASIC I  
 Business Technology Applications  
 Sociology

AP Psychology  
 AP Computer Science A  
 Forestry  
 Journalism  
 Forensic Science  
**Health**  
 Health Education  
**Arts**  
 Arts Survey  
**Foreign Languages**  
 German I  
 German II

German III  
 Latin I  
 Latin II  
 Latin III  
 Mandarin Chinese I  
 Mandarin Chinese II  
**Mathematics**  
 Accounting  
 AP Statistics  
**Social Studies**  
 AP U.S. Government and Politics  
 AP Macroeconomics

## Decatur City Schools Career Academy Pathways

### Automotive Technologies (10-12 at Career Center)

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Business Communication and Technology (450006) <i>To Be Taken at Students' Home School</i>	Maintenance and Light Repair A (570071) <b>Every Day 1<sup>st</sup> Semester</b> AND Maintenance and Light Repair A (570072) <b>Every Day 2<sup>nd</sup> Semester</b>	Maintenance and Light Repair A (570073) <b>Every Day 1<sup>st</sup> Semester</b> AND Maintenance and Light Repair A (570074) <b>Every Day 2<sup>nd</sup> Semester</b>	CTE Lab – Auto Tech (570087) <b>Every Day 1<sup>st</sup> Semester</b> AND Senior Career Pathway Project – Auto Tech (570080) <b>Every Day 2<sup>nd</sup> Semester</b>	<ul style="list-style-type: none"> <li>ASE Certification</li> </ul>

### Barbering Academy (10-12 at Career Center)

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Business Communication and Technology (450006) <i>To Be Taken at Students' Home School</i>	Introduction to Barbering (510160) <b>Every Day 1<sup>st</sup> Semester</b> AND CTE Lab in Barbering (510074) <b>Every Day 2<sup>nd</sup> Semester</b>	Natural Hair Styling Theory (510075) <b>Every Day 1<sup>st</sup> Semester</b> AND Natural Hair Styling Practicum (510076) <b>Every Day 2<sup>nd</sup> Semester</b>	CTE Lab in Barbering (510077) <b>Every Day 1<sup>st</sup> Semester</b> AND Senior Career Pathway Project - Barbering (510069) <b>Every Day 2<sup>nd</sup> Semester</b>	<ul style="list-style-type: none"> <li>Barbicide: Infection Control</li> </ul>

**Building Sciences (10-12 at Career Center)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Business Communication and Technology (450006) <i>To Be Taken at Students' Home School</i>	NCCER Carpentry 1: (432301) <b>Every Day 1<sup>st</sup> Semester</b> AND NCCER Carpentry 2: (432302) <b>Every Day 2<sup>nd</sup> Semester</b>	NCCER Carpentry 3: (432303) <b>Every Day 1<sup>st</sup> Semester</b> AND NCCER Building Construction 1: Construction Framing (412101) <b>Every Day 2<sup>nd</sup> Semester</b>	NCCER Building Construction 2: Site Preparation (412102) <b>Every Day 2<sup>nd</sup> Semester</b> AND NCCER Building Construction 3: Construction Finishing (412103) <b>Every Day 2<sup>nd</sup> Semester</b>	<ul style="list-style-type: none"> <li>• NCCER Core (all modules)</li> <li>• NCCER Building</li> <li>• Construction Level 1</li> <li>• NCCER Building</li> <li>• Construction Level 1+</li> </ul>

**Business Academy: Business Management and Administration Pathway (10-12 at Austin)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Business Communication and Technology (450006)	Foundations of Business Leadership (450009)	Multimedia Design (410016) OR Law in Society (410023)	Multimedia Publications (410017) OR Entrepreneurship (400017)	Microsoft Office <ul style="list-style-type: none"> <li>• Excel Expert</li> <li>• Word Expert</li> <li>• Microsoft Office Specialist (MOS)</li> </ul> Adobe Certified Associate (ACA)

**Business Academy: Finance Pathway (10-12 at Austin)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Business Communication and Technology (450006)	Accounting (470012)	Advanced Accounting (470013)	Banking and Financial Services (470011)	Microsoft Office <ul style="list-style-type: none"> <li>• Excel Expert</li> <li>• Word Expert</li> <li>• Microsoft Office Specialist (MOS)</li> </ul> Adobe Certified Associate (ACA)

**Business Academy: Sport Entertainment Marketing Pathway (10-12 at Austin)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Business Communication and Technology (450006)	Internet Marketing (550012)	Sports and Entertainment Marketing Fundamentals (550013)	Advanced Sports and Entertainment Marketing (550023)	Microsoft Office <ul style="list-style-type: none"> <li>• Excel Expert</li> <li>• Word Expert</li> <li>• Microsoft Office Specialist (MOS)</li> </ul> Adobe Certified Associate (ACA)

**Fashion (10-12 at Austin)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Family and Consumer Sciences (510004)	Fashion (510041)	Fashion Design (510044)	Fashion Merchandising (410015)	• ServSafe

**Food and Wellness (10-12 at Austin)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Family and Consumer Sciences (510004)	Food and Nutrition (510011)	Dietetics (510014)	Sports Nutrition (510017)	• ServSafe

**Cosmetology (10-12 at Career Center)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Business Communication and Technology (450006) <i>To Be Taken at Students' Home School</i>	Introduction to Cosmetology (510060) <b>Every Day 1<sup>st</sup> Semester</b> AND Hair Coloring (510061) <b>Every Day 2<sup>nd</sup> Semester</b>	Chemical Services (510062) <b>Every Day 1<sup>st</sup> Semester</b> AND Introduction to Spa Techniques (510063) <b>Every Day 2<sup>nd</sup> Semester</b>	Advanced Spa Techniques Application (510064) <b>Every Day 1<sup>st</sup> Semester</b> AND/OR State Board Practicum - Cosmetology (510068) <b>Every Day 2<sup>nd</sup> Semester</b>	• Barbicide: Infection Control

**Culinary Arts (10-12 at Career Center)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Food and Nutrition (510011) <i>To Be Taken at Students' Home School</i>	Hospitality and Tourism (500011) <b>Every Day 1<sup>st</sup> Semester</b> AND Culinary Arts I (500012) <b>Every Day 2<sup>nd</sup> Semester</b>	Culinary Arts II (500013) <b>Every Day 1<sup>st</sup> Semester</b> AND Baking and Pastry Arts (500014) <b>Every Day 2<sup>nd</sup> Semester</b>	Event Planning (500015) <b>Every Day 1<sup>st</sup> Semester</b> AND Food Innovations and Media (510016) <b>Every Day 2<sup>nd</sup> Semester</b>	• ProStart National Certificate of Achievement • ServSafe

**Cyber Security at Career Center**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Foundations of Informational Security (INFOSEC I) (520038)	Principles of Information Security (INFOSEC II) (520039)	Cyber Forensics (INFOSEC III) (520040)	Advanced Cyber Security/Forensics (INFOSEC IV) (520042)	• Information Fundamentals • Security+ • Network+ • CEH

**Engineering and Advanced Manufacturing (10-12 at Career Center)**

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Business Communication and Technology (450006) <i>To Be Taken at Students' Home School</i>	Intro to Drafting Design (410005) <b>Every Day 1<sup>st</sup> Semester</b> AND Foundations of Engineering Design (590306) <b>Every Day 2<sup>nd</sup> Semester</b>	Intermediate Engineering Design (590307) <b>Every Day 1<sup>st</sup> Semester</b> AND Engineering Design and Advanced Manufacturing (560116) <b>Every Day 2<sup>nd</sup> Semester</b>	Advanced Engineering Design and Advanced Manufacturing (560117) <b>Every Day 1<sup>st</sup> Semester</b> AND CTE Lab – Engineering Design and Advanced Manufacturing (432910) <b>Every Day 2<sup>nd</sup> Semester</b>	• Solid Edge Certified Associate • Solid Works Certified Associate

**Health Science (11-12 at Career Center)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Foundations of Health Science (490007) <i>To Be Taken at Students' Home School</i>	Medical Terminology (490033) <i>To Be Taken at Students' Home School</i>	Therapeutic Services (490023) AND Human Body Structures and Functions (490015)	Health Science Internship (490014)	<ul style="list-style-type: none"> <li>• Certified Patient Care Technician (CPCT)</li> <li>• Certified Nursing Assistant (CAN)</li> <li>• Certified EKG Technician (CET)</li> <li>• MOS</li> </ul>

**Precision Machining (10-12 at Career Center)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Business and Communication Technology (450006) <i>To Be Taken at Students' Home School</i>	Introduction to Milling (540048) AND Introduction to Lathe (540047)	Intermediate Mill and Surface Grinder (540050) AND Intermediate Lathe and Bench Work (540049)	Introduction to Computer Numerical Control (540042) AND Intermediate Computer Numerical Control (540043)	<ul style="list-style-type: none"> <li>• NIMS</li> </ul>

**Sports Medicine (11-12 at Career Center)**

9 <sup>th</sup> Grade*	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Certification Opportunities
Foundations of Health Science (490007) <i>To Be Taken at Students' Home School</i>	Medical Terminology (490033) <i>To Be Taken at Students' Home School</i>	Sports Medicine Fundamentals (490028) AND Sports Medicine Intermediate (490025)	Sports Medicine Advanced (490026) AND Senior Career Pathway Project-Sports Med (490045)	<ul style="list-style-type: none"> <li>• Certified Patient Care Technician (CPCT)</li> <li>• Certified Nursing Assistant (CAN)</li> <li>• Certified EKG Technician (CET)</li> <li>• MOS</li> </ul>

**CALHOUN COMMUNITY COLLEGE –  
DECATUR CITY SCHOOLS  
DUAL-ENROLLMENT PARTNERSHIP**

- **ACT and GPA requirements for classes. Please see your counselor**
- **Attendance is Mandatory for all Dual-Enrollment Classes and will follow the standard set by CCC**

Students have an opportunity to earn college credit and may exit high school with a certification in a selected career field. Students interested in pursuing programs of study listed below will be required to maintain a minimum GPA requirement to be determined by chosen program instructor. Some Tuition is provided through Office of Workforce Development grant funding.

**941801- Health Science - Certified Nursing Assistant/Phlebotomy- (12<sup>th</sup> grade only)** First Semester course Following this course students will be eligible to take the state examination to obtain certification. **Seniors turning 18 before graduation in May are eligible.**

**941208 - Emergency Medical Technician- (12 grade only)** Graduates of the EMS program find employment with ambulance services, hospitals, fire departments, rescue squads and industrial safety. Other opportunities for employment include emergency clinics, insurance companies, fire service agencies and law enforcement agencies. **Second semester, only 10 students will be picked for this class. Your attendance is crucial to being chosen. Only seniors turning 18 before graduation in May are eligible.**

**921804- Aerospace Technology-** Courses will prepare graduates for employment in aerospace and related industries through classroom and laboratory instruction in propulsion structure and assembly or welding.

**921801- Welding 1-** course provides instruction on safety practices and terminology in the shielded metal arc welding (SMAW), (GMAW), and (FCAW) process. In addition the course covers the NCCER Standards.

**921802- Welding 2-** course provides instruction on safety practices and terminology in the shielded metal arc welding (SMAW), (GMAW), and (FCAW) process. In addition to the process of setting up equipment, the procedures and techniques used in the higher levels of welding

**921803- Welding 3-** course provides instruction on safety practices and terminology in the shielded metal arc welding (SMAW), (GMAW), and (FCAW) process. In addition to the process

of setting up equipment, the procedures and techniques used in the higher levels of welding

**921805- Welding 4-** Advanced welding techniques and career preparedness.

**925607 Micro Computer Application** - A complete introduction and practical application to Office and to most common micro-computer applications

**928205/928206- ELT-108 DC / ELT 109 AC** – These are the introductory classes to Industrial Maintenance, Robotics, HVAC, and most other industrial certifications..

**928207- Wiring Methods-** Introduction to basic wiring and safety

**520007- Computer Programing-** This is the introduction to all areas of Computer based course work at CCC

**925202- Child Development-** This program is designed primarily for students who plan to seek employment in preschool or school age programs.

**920602- Precision Measurement-** This course covers the use of precision measuring instruments and an introduction to basic geometric dimensioning and tolerancing (GD&T) concepts. Emphasis is placed on the inspection of machine parts and use of a wide variety of measuring instruments. Upon completion students should be able to demonstrate correct use of measuring instruments. This supports CIP code 15.0613. This is a CORE course and aligned with NIMS certification standards.

**920605-Introduction to Thermal/Electrical Principles-** This course emphasizes the fundamental principles for air conditioning and refrigeration. Instruction is provided in the theory and principles of refrigeration and heat transfer, HVAC/R system components, common and specialty tools for HVAC/R, and application of the concepts of basic compression refrigeration. In addition, this course covers electrical/electronic fundamentals and principles. Emphasis is placed on electrical theory and science, semiconductor devices, motors, transformers, digital concepts, programmable logic controllers, and circuit analysis. Upon completion, students will be able to identify system components and understand their functions, identify and use common and specialty HVAC/R tools, and maintain components of a basic compression refrigeration system. This supports CIP code 15.0613. This is a CORE course.

**920601-Manufacturing Safety Practices-**This course is an introduction to general issues, concepts, procedures, hazards, and safety standards found in an industrial environment. This safety course is to make technicians aware of safety issues associated with their changing work environment and attempt to eliminate industrial accidents. This course will offer credentialing for NCCER and OSHA 10 hour.

**920606-Fluid Systems**-This course includes the fundamental concepts and theories for the safe operation of hydraulic and pneumatic systems used with industrial production equipment. Topics include the physical concepts, theories, laws, air flow characteristics, actuators, valves, accumulators, symbols, and others. Upon completion, students should be able to service and perform preventive maintenance functions on hydraulic and pneumatic systems. This is a CORE course. This course supports CIP code 15.0613

**920607-Quality Control Concepts**-This course covers quality assurance principles including the history of the quality movement, group problem solving, data collection, control charts, and statistical methods such as statistical process control (SPC), process capability studies, and the concepts associated with lean manufacturing. This supports CIP code 15.0613. This is a CORE course.

**933402-CAD Concepts**-This course provides an introduction of Computer Aided Drafting (CAD) techniques and terminology. Concepts to include CAD Software and skills necessary to perform the basic computer aided drafting functions. Related lab projects are developed from CAD to reinforce knowledge of various shop drawing concepts and software commands.

## DUAL ENROLLMENT CORE ACADEMIC COURSES

- **Courses will substitute for Graduation Requirements.**
- **See your Counselor to find out the high school equivalent for each course**
- **ACT and GPA requirements for some classes. Please see your counselor**
- **Attendance is Mandatory for all Dual-Enrollment Classes and will follow the standard set by Calhoun Community College**
- **The cost for each class is per-semester.**

**903201/903202 - Calhoun Dual Enrollment: EH 101/102 Tuition Cost: \$450 +/-** this course is a college English course

**903201 - English Composition 101** - provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage.

**903202 - English Composition 102** - provides instruction and practice in the writing of six (6) formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage.

**903205/903206,903207/903208- English Literature 251/252, 261/262, 271/272** - provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage.

**907601/907602- Dual Enrollment Pre-Calculus Algebra MH 112/113** - Class tuition is \$450.00 this course is a college algebra course. It is taught as a DUAL ENROLLMENT course with Calhoun Community College on our campus.

**907605- CALCULUS CALHOUN DUAL ENROLLMENT: MTH 125** – Class tuition is \$570.00 this course is a college calculus course. It is taught as a DUAL ENROLLMENT course with Calhoun Community College on our campus and offered to **seniors only**.

**905004/905005- American History 201/ 202 Dual Enrollment** – Class tuition is \$450.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**905002/905003- World History 121/122 (Western Civilization) Dual Enrollment** – Class tuition is \$450.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**909801- Political Science 211 Dual Enrollment** – Class tuition is \$450.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**902600- Economics 231 Dual Enrollment** – Class tuition is \$450.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**904000- World Geography XXX Dual Enrollment** – Class tuition is \$450.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**901400/901401- Biology 101/102 Dual Enrollment** – Class tuition is \$570.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**Chemistry 101/102 Dual Enrollment** – Class tuition is \$570.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

**901415/901416- Anatomy 101/102 Dual Enrollment** – Class tuition is \$570.00 (approximate), this class is a college course that is needed for most degrees. The content will cover the curriculum according to the Calhoun course catalogue.

## **DECATUR CITY VIRTUAL SCHOOL**

### **Grades 9-12**

#### **Student Benefits, Expectations, and Requirements**

#### **You need to see your counselor with a parent present to sign up for the virtual school.**

Virtual schooling offers students numerous benefits in terms of time flexibility and program customization. Along with these advantages, students also assume increased responsibility in time management, organization, self-direction, and self-regulation.

#### **Benefits**

- Instruction from Alabama-certified teachers
- No tuition and minimal fees for students residing within the Decatur City Schools district
- Course advancement during summer term will require fees to be paid
- Accredited diploma upon satisfying all requirements for graduation
- Flexibility and personalized learning experiences
- Individualized academic and career preparation plan
- Self-pacing and opportunity for accelerated advancement
- Early graduation option upon meeting eligibility criteria
- Flexibility to pursue interests intensively

#### **Curriculum**

The Decatur City Schools Virtual Option for high school students uses the curriculum of ACCESS Virtual Learning, a program administered by the Alabama State Department of Education. All course curricula are aligned to Alabama Courses of Study. Students intending to complete all graduation requirements through the Virtual Option must meet the Decatur City Schools Graduation Requirements.

The start and end dates of ACCESS Virtual Learning classes are determined by the Alabama State Department of Education and are closely aligned with the Decatur City Schools academic calendar. For questions, please contact Dr. Tommy Davis at (256) 552-3000 or Tommy.Davis@dcs.edu.

#### **Attendance**

Decatur City Schools Virtual Option students are required to abide by Decatur City attendance policies and procedures. Students fulfill attendance requirements by actively participating in the online course(s). If students are not up to date with course work within five academic days, they are put on academic probation. Students will have two academic days to become current. A student who is placed on probationary status for a third time during a term may be withdrawn from the class.

#### **Course Progression**

- Students are required to progress through online courses at a rate comparable to the progression of a traditional class. Student athletes are required to maintain at a traditional pace to follow NCAA/Alabama High School Athletic Association rules.
- Students are permitted to work ahead of the standard course progression and finish courses early if they are not an athlete.

#### **Minimum Requirements**

- Must be a rising 6<sup>th</sup>-12<sup>th</sup> grade student enrolled in Decatur City Schools (Students living outside of the district may enroll but will be required to pay out of district fees).
- Must be on track for graduation.
- Have a personal device or use a Decatur City Schools device (DCS devices may be checked out at the student's zoned school.)
- Maintain consistent, daily access to the Internet
- Maintain minimum overall GPA of 3.0 in virtual courses taken during the current academic year
- Maintain appropriate course progression as measured by the completion of weekly assignments, quizzes, and tests
- Adhere to the Academic Integrity Contract
- Remain in good standing as a student of Decatur City Virtual School
- Students with discipline infractions resulting in suspension or expulsion will immediately be removed from DCS Virtual School

## Four Year Plan

Student Name \_\_\_\_\_

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>English</b> – 4 Credits	English 9	English 10	English 11	English 12
<b>Math</b> – 4 credits (Algebra 1, Geometry, Algebra 2 or substitute, and one other)				
<b>Science</b> – 4 Credits – Biology & A Physical Science + 2 more				
<b>Social Studies</b> – 4 Credits	World History	United States History to 1877	United States History 1877 to Present	US Gov't/Econ
<b>Other Electives</b> -- from Fine Arts, Career Tech or Foreign Languages	Career Academy Foundation Course			
	PE, Band or JROTC			
<b>Total Credits</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>