



**Cullman County Schools  
2016 – 2017  
Registration  
Handbook**

**Mr. Shane Barnette — Superintendent**

# Table of Contents

Introduction	3
Letter to Students and Parents	3
Promotion and Retention of Students	4
Repeated Courses	4
Summer School Attendance	4
Correspondence Courses	4
Dual Enrollment	4
Attendance	5
Credits Earned Prior to the Ninth Grade	5
Participation in Commencement Activities	5
Character Education	5
Class Ranking	5-6
Community Cooperative Program	7
Career Technical Program Articulation	7
The Hancock Academy	7
Fast Track Academy & Fast Track for Industry	7
Student Assessment	8
Dual Enrollment	9
Financial Aid Quick Reference	10
NCAA Eligibility Guidelines	11-15
Alabama High School Diploma Requirements	16
Possible Mathematics Course Progressions in Grades 9-12	17-19
Course Listings	20-27
Career Technical Education Courses	28
Programs Available at the Cullman Area Technology Academy	29-30
Individualized Four Year Plan - Parent Copy	31
Individualized Four Year Plan - Guidance Copy	32

## Introduction

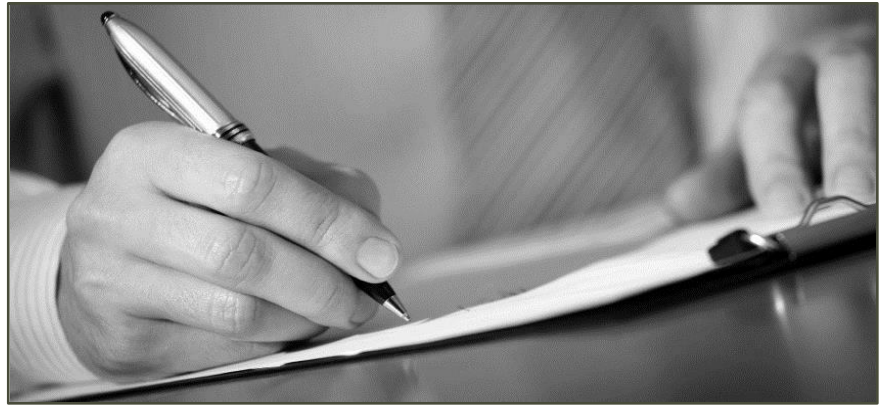
The purpose of this course selection and registration guide is to assist students in selecting courses which follow a clearly articulated pathway to the fulfillment of personal, educational and career goals. Principals, teachers and counselors are available to help with these important decisions.

This guide contains a description of each course and any eligibility requirements for the course. Students are encouraged to read and use this information so they will do the best job of planning and will be satisfied with their course choices. Each student is encouraged to consult with parents, teachers, principals and counselors regarding selection of courses. It is a student's responsibility to be knowledgeable of the information included in this guide.

Each student in grade eight is expected to:

1. Study the information in this guide.
2. Discuss course selections with parents, principals, teachers and guidance counselors.
3. Complete the four-year plan template which is the last page of this booklet.
4. Sign the form, have parent/guardian sign the form and return it to the counselor at the specified time.

**NOTE:** All students must enroll in a minimum of seven (7) classes.



## Letter to Students and Parents

Dear Students and Parents,

On behalf of the Cullman County School System, we want to welcome you to another great year! Cullman County Schools are filled with excellent educators and professionals who stand ready to assist you. Your education is an investment in your future. We encourage you to work as hard as you can and explore as many options as possible for your future. Challenge yourself to set goals and work hard to achieve them this school year. These are exciting days in Cullman County as we strive to bring in more technology to our classrooms and expand the career pathways that we offer. Your education is such an important part of the foundation that you will build upon for the rest of your life – so give it your all and take advantage of every opportunity!

This registration booklet is designed to provide you with all the current options provided by Cullman County Schools. Please know that your local counselor is there to help you make these choices and will answer any questions you may have. You will find a registration sheet on the back page that must be signed by the student and the parent before it is returned.

Parents, we are honored to have your child in our school system. We look forward to having a good working relationship with you to help benefit your child. It is vital to the success of a child that the school system and parent work together to challenge the student to be all that he or she can be.

We look forward to serving you.

# General Information

## Promotion and Retention of Students:

In grades 9-12, a student's progress from one grade level to another above grade nine is based on the minimum earned credits. A student shall be enrolled in the necessary courses to complete graduation requirements before being assigned to the 12th grade level. For students entering 9th grade in the 1993-1994 school year and thereafter, the following credits are required to progress from one grade level to another:

From 9th to 10th grade – 5 credits

From 10th to 11th grade – 11 credits

From 11th to 12th grade – 17 credits

### Repeated Courses

A student must repeat any failed, required course. A student may repeat any failed, elective course. Due to the sequential nature of core curriculum courses and prerequisites, it is strongly recommended that any student in grades 9-12 who fails a required course attend summer school or credit recovery to avoid getting out of phase for graduation. Grades for core courses are calculated for final GPA and graduation recognition after the eighth semester.

### Summer School Attendance

Students may enroll in an approved summer school program in order to repeat a failed course. Students may earn no more than two credits per year through summer school attendance for athletic eligibility purposes. Honors courses will not be offered during summer school, night school, credit recovery, or alternative school.

### Correspondence Courses

Credit for correspondence courses may be allowed on the following conditions: (1) written approval must be given by the principal before the correspondence work is begun; (2) credits can be earned through correspondence from institutions recognized by the State Department of Education or from institutions accredited by the national accrediting agency recognized by the U.S. Office of Education only; (3) only one credit may be earned during the regular school year by the student and this credit shall be included in calculating his/her program of study; (4) correspondence work should be taken only when the curriculum offerings deny a student a course he/she particularly needs.

### Dual Enrollment

Dual enrollment/dual credit programs allow eligible high school students to enroll in participating post-secondary credits from the participating school. Students eligible to participate in the dual enrollment program must be in the

10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade, have a 3.0 grade point average, have an ACT subscore of 20 or better in the selected subject area or an appropriate placement test score, have prior approval of the principal and superintendent and meet entrance requirements established by the participating post-secondary school. Three semester credit hours (or four, if lab course) at the post-secondary level shall equal one credit at the high school level in the same or related subject. It shall be the student's responsibility to provide his/her high school counselor with an official copy of the post-secondary school's transcript of dual enrollment courses. Speak to your counselor about approved ways to schedule dual enrollment for purposes of dual credit.

Dual enrollment opportunities also exist for career technical students. Students wishing to participate in career technical dual enrollment classes must be in the 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade; have a 2.5 grade point average; have an appropriate placement test score, if applicable; have prior approval of the principal and superintendent; and meet the entrance requirements established by the participating postsecondary school.

Juniors and seniors with at least a 3.0 GPA and the approval of their local high school may enroll in Fine and Performing Arts courses through Dual Enrollment at Wallace State. Courses are available in art, dance, music, theatre, and visual communications. Students should check with their guidance counselors for a specific list of courses available each school year. Participation in Wallace State's Jazz Band, Concert Band, Choir, and Theatre Productions is also an option. **However, if there is a band, choir, or theatre option offered at the local high school, students MUST participate in that program.** Students can choose to be a part of the high school program and the Wallace program but only if the Wallace program does not interfere with the high school offering.

# General Information

Students are responsible for paying regular Wallace State tuition for these courses. As with all dual enrollment courses, students may apply for a scholarship through Wallace State's Future Foundation in the fall and spring and for the Summer Honors Scholarship during the summer semester. Additionally, students interested in Visual Communications may apply for a scholarship through Wallace State's Career Technical Dual Enrollment Scholarship program. For more information, please visit [www.wallacestate.edu/dualenrollment](http://www.wallacestate.edu/dualenrollment).

## Attendance

Regular attendance is necessary for student learning and academic achievement. Please refer to the Student Handbook and Cullman County Schools Policy Manual for complete information about attendance requirements.

## Credits Earned Prior to the Ninth Grade

Units of credit may be awarded for certain approved courses (Algebra I, Foreign Language I and Career Preparedness) taken prior to the ninth grade. These courses must be taken for credit in the eighth grade, must follow the state courses of study, must be of high school content and rigor and must not supersede required courses. The school counselor can provide additional information regarding these courses.

## Participation in Commencement Activities

Participation in graduation activities shall be limited to students who complete one of the approved curricula and meet all other requirements in order to be eligible to receive the Alabama High School Diploma or certificate prior to commencement ceremonies.

## Character Education

For all grades, not less than ten minutes instruction per day shall focus upon the students' development of the following character traits: courage, patriotism, citizenship, honesty, fairness, respect for others, kindness, cooperation, self-respect, self-control, courtesy, compassion, tolerance, diligence, generosity, punctuality, cleanliness, cheerfulness, school pride, respect for the environment, patience, creativity, sportsmanship, loyalty and perseverance.

## Class Ranking

For the purpose of calculating deciles for class rank, grade point averages (GPAs) will be computed at the end of the 8th semester of high school.

1. In order to calculate the final GPA, the student must have successfully completed the following minimum

required core curriculum academic requirements (or their equivalents/substitutes):

- English - Grades 9,10,11,12
- Social Studies - Grades 9,10,11,12
- Mathematics - Algebra I, Geometry, Algebra II, and one mathematics elective
- Science - Biology, one physical science, two science electives

\*The only subjects included in GPA will be the core curriculum courses plus Foreign Language, if taken. All English, Mathematics, Social Studies, Science and Foreign Language courses attempted will be included in GPA.

\*The other required transfer credits that may be included in a transfer student's core curriculum will be included (ex. Religion) if from an accredited parochial school.

2. Calculations for valedictorian and salutatorian are based on weighted, numerical grade point averages. A "tie" will be the absolute SAME numerical grade point average.

3. Schools may recognize the Top 5%, Top 10%, and Top 15% of students as honor graduates. This designation is based on weighted, numerical grade point averages.

4. General Grade Scale – Grades for academic course work will be awarded according to the following scale:

<u>Letter Grade</u>	<u>Numerical grade</u> (100 point scale)	<u>Grade Point Average Points</u> (4 point scale)
A	90 – 100	4.00
B	80 – 89	3.00
C	70 – 79	2.00
D	60 – 69	1.00
F	1 – 59	0.00
I	0	Incomplete

5. Grade Conversion – Where letter grades are present on a candidate's transcript from a previously attended school, the candidate must have the respective school(s) submit the grades in numerical form. If school officials of the school the student previously attended cannot or will not convert the letter grades to numerical grades, the letter grades will be converted to numerical grades as follows:

A+ =99	B+ =89	C+ =79	D+ =69	F=55
A = 95	B = 85	C = 75	D = 65	
A- = 90	B- =80	C = 70	D- = 60	

# General Information

Issues or uncertainties regarding eligibility or grade calculation will be resolved by the school principal in consultation with the Superintendent.

6. Students must be following the Graduate of Distinction pathway (taking a minimum of three advanced, core AP or advanced, core DE courses) to be eligible for Valedictorian or Salutatorian.

7. The candidates for Valedictorian and Salutatorian must have been not only continuously enrolled at the same high school, but also have completed course work at their school site for the last four semesters prior to the date of their graduation.

8. Weight for specific advanced and foreign language classes will be applied to the final computation. The weight is applied only if the student completes the course with a passing grade. No credit is awarded and no weight is applied if the student fails the course.

<b>CLASS</b>	<b>WEIGHT</b>
Dual Enrollment Courses	1.2
AP Courses	1.2
Pre-AP Courses	1.15
Anatomy & Physiology	1.15
Chemistry	1.15
Chemistry II	1.15
Honors English	1.15
Algebra II with Trigonometry	1.15
Physics	1.15
Pre-Calculus	1.15
Calculus	1.15
Honors Biology	1.15
Foreign Language	1.15

## Weighted Dual Enrollment Courses\*

ENG 101, 102, 261, 262

MTH 112, 113, 125, 126

HIS 201 (10<sup>th</sup> only), 202, POL 211, ECO 231

PHY 201, 202

CHM 104, 105, 111, 112

BIO 103, 104, 201, 202, 220

SPA 101, 102

## Weighted ACCESS Courses

AP English Language

AP English Literature

AP US History

AP Macroeconomics (1/2 credit)

AP US Government (1/2 credit)

AP Biology

AP Statistics

AP Computer Science A

AP Calculus AB

French I, II, III

German I, II, III

Latin I, II, III

Mandarin Chinese I, II

Spanish I, II, III, IV

9. Honors courses will not be offered during summer school, night school, credit recovery, or alternative school.

\*Cullman County Schools encourages students to pursue dual enrollment and Advanced Placement (AP) courses. We must look at what is fair, however, in terms of Valedictorian, Salutatorian, and class rank. Because each three-hour (four hour, if lab required) dual enrollment course now equals one high school credit, dual enrollment students could have twice the number of weighted courses for a full year of course work averaged into their GPA. Valedictorian and salutatorian honors should not be based on a parent's or guardian's ability to pay for these courses. As a result, dual enrollment courses will receive 0.5 grade point average credit in terms of weight applied to the course. This weight adjustment will align dual enrollment classes to other free course options such as AP courses.

\*\*GPA and class rank guidelines are subject to change based on changes from the Alabama State Department of education and changes in local board policies.

# General Information

## **Community Cooperative Program**

The Community Cooperative Program includes supervised, on-the-job training and related classroom instruction. Co-op students have a minimum of 1 CTE credit with 2 recommended and are supervised by a teacher-coordinator. Students attend classes part of the day and work in an approved work setting according to Child Labor Laws. The student will work a minimum of 140 hours to earn credit. The student's progress will be evaluated at the training site by the employer with information reported to the student's specialized career technical teacher. Together with the on-the-job training sponsor and the student, the teacher-coordinator will develop a training agreement which includes the following: provisions for the employment of student workers in compliance with federal, state and local laws and regulations; the opportunity to participate in a non-paid internship program; related occupational instruction in school; and credits awarded for on-the-job training.

## **Career Technical Program Articulation with State Technical Colleges**

Appropriate technical courses taught at the Cullman Area Technology Academy can be selected for credit awarded to technical colleges statewide. Students who meet all stated requirements will be awarded predetermined semester hour credit upon enrollment at the technical college. Applicants for career technical credit must meet all college admission requirements and be a registered student.

## **The Hancock Academy**

The Hancock Academy is a program offered through the Cullman Area Technology Academy (CATA). Students are enrolled at their local high school but attend classes on the campus of CATA for one block, or all day. Students in grades 10–12 may attend the academy, taking core courses as well as courses to get a jump start on their career. If you are interested in this program, see your counselor for details.

## **Fast Track**

Fast Track is a program offered on the campus of Wallace State Community College. It represents a joint partnership between Wallace State and Cullman County Schools. Fast Track consists of two academies that offer high school juniors and seniors an opportunity to simultaneously enroll in secondary

and postsecondary coursework on the campus of Wallace State. The courses meet state requirements for high school graduation, while also providing the general education requirements for the certificate and associate degree programs. Students will be enrolled full-time in the high school on the community college campus. The selected program of study will determine the Fast Track curriculum and the student's schedule.

*Fast Track Academy* – for students planning to transfer to a four-year university. Students can graduate high school with an associate's degree and transfer as a junior to a university. The student is responsible for all costs in this program.

*Fast Track for Industry* – for students planning to enter a high-demand program as determined by the Alabama Workforce Development Council. Students can graduate high school with an associate's degree and/or certification and be ready to enter the workforce early. Apprenticeships are available with local industries. Tuition and books are paid for through a scholarship program, making college classes free for accepted students.



# Student Assessment

## Required Assessments

### **ACT ASPIRE**

An assessment developed by ACT, this test will measure the college and career readiness of students in subjects such as math and reading. This assessment will replace PLAN. ASPIRE will be administered in tenth grade at the local school.

### **ACT Plus Writing**

The ACT is the college admission test required by most colleges in the southeast. The ACT Assessment Program is a comprehensive, evaluative, guidance and placement service for students involved in the transition from high school to college. Students will take this test in the spring of 11th grade at the local school.

### **ACT WorkKeys**

Part of the Alabama College and Career Ready Assessment System, the WorkKeys assessment measures "real-world" skills that employers value in any occupation. This assessment is administered to 12th graders and assists them in discovering the skill levels required for certain occupations. WorkKeys is given at the local school.

### **ACT End-of-Course Assessments**

Students may be required to take end-of-course assessments in certain courses, such as Algebra I and English 10. Students will take these end-of-course exams in the classes in which they are enrolled as these tests are approved by the Alabama State Department of Education.

**\*Cullman County Schools will follow the assessment guidelines set by the Alabama State Department of Education.**

## College Admissions/Career Planning Tests

### **PSAT/NMSQT-Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test**

The PSAT/NMSQT is a multiple choice test that measures verbal and reasoning abilities important to doing college-level work. The test is usually taken in the 11th grade and provides an opportunity for students to practice for the Scholastic Aptitude Test while simultaneously competing for prestigious scholarship recognition programs that use PSAT/NMSQT results. A fee is charged for taking this test and it is given at the local school.

### **ASVAB-Armed Services Vocational Aptitude Battery**

The ASVAB is an aptitude test administered to students by the military and is paid for by the government. This test is used as a vocational tool to assist students in seeking related job skills or postgraduate studies. ASVAB is given at the local school.

### **SAT-Scholastic Aptitude Test**

The Scholastic Aptitude Test measures certain abilities, verbal and mathematical, that are related to the ability to do academic work in college. Scholastic Aptitude Test scores are used by some schools and universities as an admissions criterion. High scores on this test can assist a student in attaining a college scholarship. It is given on Saturdays and the student chooses a test center site. A fee is charged for taking this test.

### **ACT**

Although the ACT Plus Writing is administered in spring of eleventh grade at the local school, students are encouraged to take the ACT more than once to better their score. High scores on this test can assist a student in attaining a college scholarship. It is also given on Saturdays, and the student chooses a test center site. A fee is charged for taking this test.

### **ACT Test Dates**

September 10, 2016; October 22, 2016; December 10, 2016; February 11, 2017; April 8, 2017; June 10, 2017.



# Dual Enrollment

## WSCC Dual Enrollment Course Equivalencies 2016-2017

High School Course (1 credit unless noted)	WSCC Course Equivalent	High School Course Code
English 11	ENG 101 and high school lit or ENG 101 and ENG 102	ENG101 = 903201 ENG102 = 903202
English 12	ENG 101 and high school lit or ENG102 and high school lit or ENG 101 and ENG 102 or ENG 261 and ENG 262	ENG101 = 903201 ENG102 = 903202 ENG261 = 903205 ENG262 = 903206
Anatomy and Physiology	BIO 201	901415
DE Biology I	BIO 103	901402
DE Biology II	BIO 104	901403
General Chemistry	CHM 104	902000
Advanced Chemistry	CHM 111	902005
DE Physical Science	PHS 111	909400
Physics	PHY 115 - Technical Physics PHY 120 - Intro to Physics	PHY115 = 909605 PHY120 = 909606
Advanced Physics	PHY 201	909600
Math Elective (12th Grade)	MTH 103 or MTH 116	MTH103 = 907619 or MTH116 = 907621
DE Pre-Calculus Algebra	MTH 112	907601
DE Pre-Calculus Trigonometry	MTH 113	907602
Calculus	MTH 125	907605
U.S. History I *	HIS 201	905004
U.S. History II	HIS 202	905005
Economics (1/2 credit)	ECO 231	902600
U.S. Government (1/2 credit)	POL 211	909801
Psychology	PSY 200	910200
Sociology	SOC 200	911400
Spanish I	SPA 101	911600
Speech (1/2 credit)	SPH 106 or SPH 107	SPH106 = 911800 or SPH107 = 911801
Other Approved Electives	3 Semester Hours = 1 Credit	
Approved Career Technical Courses	3 Semester Hours = 1 Credit	

\* Students may only earn dual credit for HIS201 if dual credit is received in 10th grade. If students are taking HIS 201 / HIS 202 in 11th grade, they may only receive dual credit for HIS 202 which would equal the 1 credit needed for 11th grade history.

**\*Note: Please remember--students are required to meet the appropriate prerequisites prior to enrollment in specific courses. See your counselor for a list of online opportunities. The principal must approve all dual enrollment courses prior to registration. Contact the college and specific programs for credit and transfer information.**

**\*\*Credits awarded for dual enrollment courses are subject to change.**

# Financial Aid Guide

## Sources of Aid

FastWeb Scholarship Search	<a href="http://www.fastweb.com">www.fastweb.com</a>
FAFSA (Free App. for Federal Student Aid)	<a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a>
Direct Loans	<a href="http://www.ed.gov/DirectLoan">www.ed.gov/DirectLoan</a>
Hope/Lifetime Learning Credit	<a href="http://www2.ed.gov/offices/OPE/PPI/HOPE">www2.ed.gov/offices/OPE/PPI/HOPE</a>
JobCorps	<a href="http://www.jobcorps.org">www.jobcorps.org</a>
AmeriCorps	<a href="http://www.americorps.gov">www.americorps.gov</a>
City Year	<a href="http://www.cityyear.org">www.cityyear.org</a>

## College Admissions

FastWeb College Search	<a href="http://www.fastweb.com">www.fastweb.com</a>
FastWeb College Prep Information	<a href="http://www.fastweb.com">www.fastweb.com</a>
College prep calendars, helpful articles, etc.	

## Information about Financial Aid

U.S. Department of Education	<a href="http://www.ed.gov">www.ed.gov</a>
FAFSA (Free App. for Federal Student Aid)	<a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a>
FinAid	<a href="http://www.finaid.org">www.finaid.org</a>
Mapping Your Future	<a href="http://www.mapping-your-future.org">www.mapping-your-future.org</a>
Office of Postsecondary Ed.	<a href="http://www2.ed.gov/about/offices/list/ope">www2.ed.gov/about/offices/list/ope</a>
Project Scholarship Scam	<a href="http://www.ftc.gov/scholarshipscams">www.ftc.gov/scholarshipscams</a>
Student Guide to Federal Aid	<a href="http://www.ed.gov/pro9_info/SFNStudentGuide">www.ed.gov/pro9_info/SFNStudentGuide</a>

## General Information

Access America for Students	<a href="http://www.students.gov">www.students.gov</a>
Adventures in Education	<a href="http://www.aie.org">www.aie.org</a>
Campus Safety	<a href="http://www.securityoncampus.org">www.securityoncampus.org</a>
American Council on Education	<a href="http://www.acenet.edu">www.acenet.edu</a>
U.S. Department of Education	<a href="http://www.ed.gov">www.ed.gov</a>
Think College	<a href="http://www.ed.gov/thinkcollege.gov">www.ed.gov/thinkcollege.gov</a>
Trio Programs	<a href="http://www2.ed.gov/about/offices/list/ope/trio">www2.ed.gov/about/offices/list/ope/trio</a>

## Calculators

College Cost Projector	<a href="http://www.fastweb.com">www.fastweb.com</a>
Loan Calculators	<a href="http://www.fastweb.com">www.fastweb.com</a>
Savings Calculators	<a href="http://www.finaid.org/calculators">www.finaid.org/calculators</a>

## Choosing a Major/Career

Career Planning	<a href="http://www.fastweb.com">www.fastweb.com</a>
Monster Job Search	<a href="http://www.monster.com">www.monster.com</a>
America's Career Infonet	<a href="http://www.acinet.org">www.acinet.org</a>
Bureau of Labor Statistics	<a href="http://stats.bls.gov">stats.bls.gov</a>
Occupational Outlook Handbook	<a href="http://www.bls.gov/oco">www.bls.gov/oco</a>

## Fall Tips for Juniors and Seniors

- Register with [www.fastweb.com](http://www.fastweb.com) to find scholarships.
- Create a calendar that includes all deadline dates for tests, applications and financial aid.
- Ask your guidance counselor for help on college applications and admission tips.
- Create files for your target schools. Keep a list of application requirements (essays, transcripts, etc.) and deadlines in the file, including when to send your transcripts.
- Request letters of recommendation from teachers, advisors and employers who know you well. Ask for recommendations early.

## Top Ten Admission Tips

1. Take a rigorous academic course load. Challenge yourself.
2. Research financial aid options.
3. Prepare for the SAT or ACT exams. Take sample tests.
4. Develop your ideal college profile.
5. Review application essay questions.
6. Do community service and volunteer work.
7. Attend college fairs.
8. Keep your grades strong.
9. Maintain relationships with teachers who can write your letters of recommendation.
10. Explore your interests through your classes.

**\*\*Students should work closely with their coach, counselor, and athletic director to make sure they meet NCAA requirements. Verify requirements on the NCAA website.**



## Division I Academic Requirements

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletics scholarships, and/or compete during their first year.

Core-Course Requirement
<p>Complete 16 core courses in the following areas:</p> <ul style="list-style-type: none"> <li>• 4 years of English</li> <li>• 3 years of math (Algebra I or higher)</li> <li>• 2 years of natural/physical science (1 year of lab if offered)</li> <li>• 1 year of additional English, math or natural/physical science</li> <li>• 2 years of social science</li> <li>• 4 years of additional courses (any area above, foreign language or comparative religion/philosophy)</li> </ul>

Full Qualifier	Academic Redshirt
<ul style="list-style-type: none"> <li>• Complete 16 core courses: <ul style="list-style-type: none"> <li>▪ Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school</li> <li>▪ Seven of the 10 core courses must be in English, math, or science</li> </ul> </li> <li>• Earn a core-course GPA of at least 2.300</li> <li>• Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page)</li> <li>• Graduate high school</li> </ul>	<ul style="list-style-type: none"> <li>• Complete 16 core courses</li> <li>• Earn a core-course GPA of at least 2.000</li> <li>• Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page)</li> <li>• Graduate high school</li> </ul>

**Full Qualifier:** College-bound student-athletes may practice, compete and receive athletics scholarship during their first year of enrollment at an NCAA Division I school.

**Academic Redshirt:** College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term but may NOT compete during their first year of enrollment.

**Nonqualifier:** College-bound student-athletes cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.



**Test Scores**

When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 so your scores are sent directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts will not be used in your academic certification.

A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best sub score from different tests are used to meet initial eligibility requirements.

If you take the current SAT before March 2016 and then take the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the current and redesigned SAT when determining your initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the current SAT, a numerical score on the current test may not be equivalent to the same numerical score on the redesigned test.

DIVISION I		
FULL QUALIFER SLIDING SCALE		
Core GPA	SAT	ACT Sum
	Reading/Math	
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.288	910	76
2.276	910	76
2.260	920	77
2.226	930	78
2.200	940	79
2.176	950	80
2.160	960	81
2.126	970	82
2.100	980	83
2.076	990	84
2.060	1000	85
2.026	1010	86
2.000	1020	88

ACADEMIC REDSHIRT



## Division II Academic Requirements

College-bound student-athletes enrolling at an NCAA Division II school need to meet the following academic rules to practice, compete and receive athletics scholarships during their first year.

Core-Course Requirement	
Complete 16 core courses in the following areas:	
<ul style="list-style-type: none"> <li>• 3 years of English</li> <li>• 2 years of math (Algebra I or higher)</li> <li>• 2 years of natural or physical science (including one year of lab science if offered)</li> <li>• 2 years of social science</li> <li>• 3 additional years of English, math or natural or physical science</li> <li>• 4 additional years of English, math, natural or physical science, social science, foreign language, comparative religion or philosophy</li> </ul>	
Full Qualifier	Partial Qualifier
<ul style="list-style-type: none"> <li>• Complete 16 core courses</li> <li>• Earn a core-course GPA of at least 2.000</li> <li>• Earn an SAT combined score of at least 820 or an ACT sum score of at least 68</li> <li>• Graduate high school</li> </ul>	<ul style="list-style-type: none"> <li>• Complete 16 core courses</li> <li>• Earn a core-course GPA of at least 2.000</li> <li>• OR</li> <li>• Earn an SAT combined score of at least 820 or an ACT sum score of at least 68</li> <li>• Graduate high school</li> </ul>

**Full Qualifier:** College-bound student-athletes may practice, compete and receive athletics scholarship during their first year of enrollment at an NCAA Division II school.

**Partial Qualifier:** College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term but may NOT compete during their first year of enrollment.

**Nonqualifier:** College-bound student-athletes may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

### Test Scores

If you take the current SAT before March 2016 and then take the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the current and redesigned SAT when determining your initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the current SAT, a numerical score on the current test may not be equivalent to the same numerical score on the redesigned test.



## 2018 Division II New Academic Requirements

Initial-eligibility standards for NCAA Division II college-bound student-athletes are changing.

College-bound student-athletes first enrolling at an NCAA Division II school on or after **August 1, 2018**, need to meet new academic rules to practice, compete and receive athletics scholarships during their first year.

Core-Course Requirement	
<ul style="list-style-type: none"> <li>• 3 years of English</li> <li>• 2 years of math (Algebra I or higher)</li> <li>• 2 years of natural or physical science (including one year of lab science if offered)</li> <li>• 2 years of social science</li> <li>• 3 additional years of English, math or natural or physical science</li> <li>• 4 additional years of English, math, natural or physical science, social science, foreign language, comparative religion or philosophy</li> </ul>	
Full Qualifier	Partial Qualifier
<ul style="list-style-type: none"> <li>• Complete 16 core courses.</li> <li>• Earn a core-course GPA of at least 2.200.</li> <li>• Earn the ACT/SAT score matching your core-course GPA on the Division II sliding scale (see back page).</li> <li>• Graduate high school.</li> </ul>	<ul style="list-style-type: none"> <li>• Complete 16 core courses.</li> <li>• Earn a core-course GPA of at least 2.000.</li> <li>• Earn the ACT/SAT score matching your core-course GPA on the Division II sliding scale (see back page).</li> <li>• Graduate high school.</li> </ul>

**Full Qualifier:** College-bound student-athletes may practice, compete and receive athletics scholarship during their first year of enrollment at an NCAA Division II school.

**Partial Qualifier:** College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term but may NOT compete during their first year of enrollment.

**Nonqualifier:** College-bound student-athletes may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

### Test Scores

If you take the current SAT before March 2016 and then take the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the current and redesigned SAT when determining your initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the current SAT, a numerical score on the current test may not be equivalent to the same numerical score on the redesigned test.



DIVISION II FULL QUALIFIER SLIDING SCALE		
Use for Division II beginning August 1, 2018		
Core GPA	SAT Reading/Math	ACT Sum
3.300 & above	400	37
3.275	410	38
3.250	420	39
3.225	430	40
3.200	440	41
3.175	450	41
3.150	460	42
3.125	470	42
3.100	480	43
3.075	490	44
3.050	500	44
3.025	510	45
3.000	520	46
2.975	530	46
2.950	540	47
2.925	550	47
2.900	560	48
2.875	570	49
2.850	580	49
2.825	590	50
2.800	600	50
2.775	610	51
2.750	620	52
2.725	630	52
2.700	640	53
2.675	650	53
2.650	660	54
2.625	670	55
2.600	680	56
2.575	690	56
2.550	700	57
2.525	710	58
2.500	720	59
2.475	730	60
2.450	740	61
2.425	750	61
2.400	760	62
2.375	770	63
2.350	780	64
2.325	790	65
2.300	800	66
2.275	810	67
2.250	820	68
2.225	830	69
2.200	840 & above	70 & above

DIVISION II PARTIAL QUALIFIER SLIDING SCALE		
Use for Division II beginning August 1, 2018		
Core GPA	SAT Reading/Math	ACT Sum
3.050 & above	400	37
3.025	410	38
3.000	420	39
2.975	430	40
2.950	440	41
2.925	450	41
2.900	460	42
2.875	470	42
2.850	480	43
2.825	490	44
2.800	500	44
2.775	510	45
2.750	520	46
2.725	530	46
2.700	540	47
2.675	550	47
2.650	560	48
2.625	570	49
2.600	580	49
2.575	590	50
2.550	600	50
2.525	610	51
2.500	620	52
2.475	630	52
2.450	640	53
2.425	650	53
2.400	660	54
2.375	670	55
2.350	680	56
2.325	690	56
2.300	700	57
2.275	710	58
2.250	720	59
2.225	730	60
2.200	740	61
2.175	750	61
2.150	760	62
2.125	770	63
2.100	780	64
2.075	790	65
2.050	800	66
2.025	810	67
2.000	820 & above	68 & above



# Alabama High School Diploma

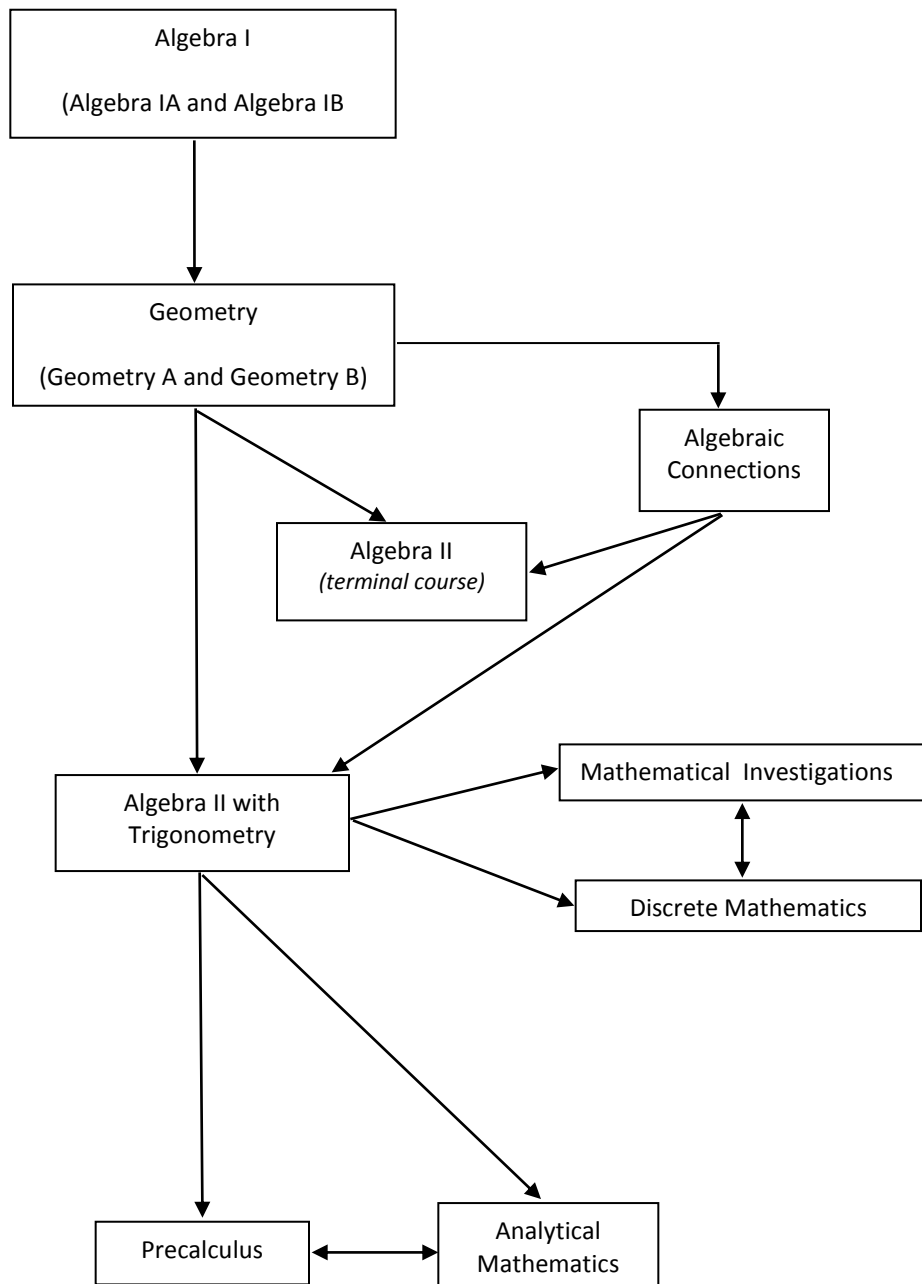
*(Applicable to first-time ninth graders entering high school in 2013-2014 and thereafter.)*

AREAS OF STUDY	REQUIREMENTS	CREDITS
ENGLISH LANGUAGE ARTS	English 9, 10, 11, and 12 or AP/IB/postsecondary equivalent courses	4
MATHEMATICS	Algebra I, Geometry, and Algebra II with Trig or Algebra II, or their equivalent. Additional course(s) to complete the four credits in mathematics must be chosen from the Alabama Course of Study: Mathematics or CTE/AP/IB/Postsecondary equivalent courses.	4
SCIENCE	Biology and a physical science. The third and fourth science credits may be used to meet both the science and CTE course requirement and must be chosen from the Alabama Course of Study: Science or CTE/AP/IB/Postsecondary equivalent courses.	4
SOCIAL STUDIES	World History, U.S. History X 2, and Government/Economics or AP/IB/postsecondary equivalent courses.	4
PHYSICAL EDUCATION	LIFE (Personal Fitness) One JROTC credit may be used to meet this requirement.	1
HEALTH EDUCATION	Alabama Course of Study: Health Education	0.5
CAREER PREPAREDNESS	Career Preparedness Course (Career and Academic Planning, Computer Applications, Financial Literacy)	1
CTE and/or FOREIGN LANGUAGE and/or ARTS EDUCATION	Students choosing CTE, Arts Education, and/or Foreign Language are encouraged to complete two courses in sequence.	3
ELECTIVES		2.5
<b>TOTAL CREDITS REQUIRED FOR GRADUATION</b>		<b>24</b>

This one approach to the Alabama High School Diploma removes the need for endorsements or the Alabama Occupational Diploma. The focus will be on the coursework taken that necessitates a clearly articulated and individualized four-year high school plan built for each student based on the results from academic and career interest assessments and middle school coursework.

Students who successfully complete three advanced, core AP or three advanced, core dual enrollment courses will be designated as Graduates of Distinction. See your counselor for more information on specific courses required for this honor.

## Possible Mathematics Course Progressions in Grades 9-12



# Possible Math Course Selections

There are several pathways by which a student can meet the high school graduation requirements for earning four credits in mathematics in Grades 9-12. Local school systems may determine which pathways lead to completion of the requirements for a specific diploma, provided the minimum requirements set forth by the Alabama State Board of Education are followed. Some pathways for Grades 9-12 are indicated below.

## Pathways for Students Who Begin Algebra I in Grade 9

Algebra I	Algebra I
Geometry	Geometry
Algebra II with Trigonometry	Algebra II with Trigonometry
Precalculus	Analytical Mathematics
Algebra I	Algebra I
Geometry	Geometry
Algebra II with Trigonometry	Algebraic Connections
Mathematical Investigations	Algebra II with Trigonometry
Algebra I	Algebra I
Geometry A	Geometry
Geometry B	Algebraic Connections
Algebra II with Trigonometry	Algebra II
Algebra I	Algebra I
Geometry A	Geometry
Geometry B	Algebra II with Trigonometry
Algebra II	Discrete Mathematics

# Geometry in Grade 9

Geometry  
Algebra II with Trigonometry  
Precalculus  
Analytical Mathematics

Geometry  
Algebra II with Trigonometry  
Discrete Mathematics  
Analytical Mathematics

Geometry  
Algebraic Connections  
Algebra II with Trigonometry  
Analytical Mathematics

Geometry  
Algebra II with Trigonometry  
Precalculus  
Advanced Placement (AP)  
Mathematics Course

Geometry  
Algebra II with Trigonometry  
Discrete Mathematics  
Mathematical Investigations

Geometry  
Algebraic Connections  
Algebra II with Trigonometry  
Precalculus

Geometry  
Algebra II with Trigonometry  
Analytical Math  
Precalculus

Geometry  
Algebra II with Trigonometry  
Mathematical Investigations  
Discrete Mathematics

Geometry  
Algebraic Connections  
Algebra II with Trigonometry  
Discrete Mathematics

Geometry  
Algebra II with Trigonometry  
Discrete Mathematics  
Precalculus

Geometry  
Algebra II with Trigonometry  
Mathematical Investigations  
Analytical Mathematics

Geometry  
Algebraic Connections  
Algebra II with Trigonometry  
Mathematical Investigations

Geometry  
Algebra II with Trigonometry  
Mathematical Investigations  
Precalculus

# Course Listings

Students should always select the highest level of coursework they can handle successfully, while also selecting courses which prepare them for college, the workforce, and occupational goals. Some important things for students and parents to consider when planning courses for high school are as follows:

1. What courses are related to my interests and abilities?
2. What are my academic strengths and weaknesses?
3. What things do I value in life? Money? Family? Power? Community service?
4. What kind of lifestyle do I want?
5. What are my career goals?
6. Do I plan to continue my education at a four-year college or university, junior college, technical school, trade school, or apprenticeship?

***NOTE: If you are planning to play college sports, please make sure you work closely with your guidance counselor while scheduling classes so you will be eligible under NCAA rules.***

## English Language Arts

200005 English, Grade 9

English 9 includes a broad survey of diverse literature, focused composition instruction, systematic vocabulary enrichment, an introduction to applied research and a review of grammar, usage and mechanics.

200006 English, Honors (1.15 grade weight) - Grade 9

Not offered at each high school: Talk with your guidance counselor. Honors English includes in-depth literary analysis and a focus on critical thinking. The course is geared for the motivated student and will include expedited instruction in composition, vocabulary, research and grammar. Students should anticipate heavier reading assignments.

200007 English, Pre-AP (1.15 grade weight) – Grade 9

200009 English, Grade 10

English 10 offers the student a survey of American literature to 1900. The course also includes vocabulary enrichment, composition strategies and practice, applied research and a review of grammar, usage and mechanics.

200010 English, Honors (1.15 grade weight) - Grade 10

Honors English 10 offers an advanced study of American literature to 1900. The course is geared for the motivated student and will include expedited instruction in vocabulary, composition, research and grammar. Students should anticipate heavier reading assignments.

200011 English, Pre-AP (1.15 grade weight) – Grade 10

200013 English, Grade 11

English 11 focuses on American literature since 1900, providing the student with insight into more contemporary texts. Emphasis is placed on expository writing, business letters and research reports. Listening and speaking skills are developed through job interview simulations, the study of rhetorical technique in debate and impromptu and informal speeches.

200014 English, Honors (1.15 grade weight) - Grade 11

Honors English 11 offers an advanced study of American literature since 1900. The course is geared for the motivated student and features expedited instruction in composition, explication of literary works, critical thinking and vocabulary development. Students should anticipate heavier reading assignments.

200016 Advanced Placement (AP) English Language and Composition (1.2 grade weight)

This course is for students who excel in English and who desire a more rigorous curriculum than an honors English course provides. This course engages students in becoming skilled writers who compose for a variety of purposes, guides students in becoming skilled readers of prose written in a variety of rhetorical contexts, and requires extensive writing of compositions. With a passing score on the AP exam, students may receive three to six hours of college credit.

# Course Listings

## 200017 English, Grade 12

English 12 offers students a survey of British and World literature from *Beowulf* onward. Students should anticipate a substantial reading load as well as an emphasis on original composition, especially literary analysis. Standard components such as vocabulary, research and textual analysis will figure heavily into the course.

## 200018 English, Honors (1.15 grade weight) - Grade 12

Honors English 12 offers an advanced study of British and World literature. The course is geared for the motivated student and includes heavier reading assignments.

## 200020 Advanced Placement (AP) English Literature and Composition (1.2 grade weight)

This course is for students who excel in English and who desire a more challenging curriculum than an honors English course provides. This course is designed to prepare students for the rigors of college English and the AP English Literature exam. This course engages students in the careful reading and critical analysis of imaginative literature from several genres and periods from the sixteenth to the twenty-first century. With a passing score on the AP exam, students may receive three to six hours of college credit.

## English Electives

*The following courses DO NOT fulfill the graduation requirement for English:*

200025 Bible as Literature

200027 Drama Introduction

200036 Other English Electives, Grades 9-12 –

*Locally developed courses must be Board-approved and state approved.*

200037 English Intervention, Grades 7-12 (no credit)

## Speech

200043 Speech I

200044 Speech II

200045 Debate

## Journalism

802202 School Publications

## Reading

200061 Reading Intervention, Grades 7-12

## Mathematics

The terms listed below are used at the end of course titles to denote their special status. Course titles that do not contain these terms are considered part of the regular curriculum.

A/B (Used only in Math)

- Description: Used to denote the Algebra I-A/I-B and Geometry A/B courses that move at half the speed of the regular Algebra I and Geometry courses to provide opportunity for repetition and the development of mathematical literacy.
- Recommendation: Students who struggle significantly with fundamental math skills. Parents and students should rely on the advice of teachers and counselors for guidance in this decision.
- Content distinction: These courses cover the same content as their regular counterparts, but they do so at half the normal speed.
- Homework load: The same as regular courses, but students spend more time practicing the same types of problems.
- Grade weight: None

## 210005 Algebra I - Grade 9

(Students may earn the Algebra credit in 8th grade, but the course must include the minimum required content as prescribed in this course of study.) Algebra I introduces basic algebraic concepts dealing with the real number system, its properties and operations. Emphasis is on factoring, graphing linear equations, simplifying and evaluating expressions, performing operations on polynomials and rational expressions, inequalities, equations, systems of equations, quadratic and rational equations. Other topics include statistics, functions and relations.

## 210007 Algebra I, Pre-AP (1.15 grade weight) – Grades 8 – 9

## 210008 Algebra IA – Grade 9

Algebra I (Part A) introduces basic algebraic concepts dealing with simplifying and evaluating expressions, solving inequalities and equations, sketching and interpreting graphs and evaluating basic functions.

# Course Listings

Completion of this course over a two-year period (Parts A and B) will allow students the opportunity to master all Algebra I objectives, but at a slower pace.

210009 Algebra IB – Prerequisite: Algebra 1A – Grade 10

Algebra I (Part B) continues an introduction of basic algebraic concepts with an emphasis on solving a system of equations, exploring quadratic functions and factoring. Completion over a two-year period (Part A and Part B) will allow students the opportunity to master all Algebra I objectives, but at a slower pace.

210010 Geometry - Prerequisite: Algebra I - Grade 9-11  
Geometry presents a logical development of the basic concepts and understanding of Euclidean geometry. Concepts and skills involve deductive reasoning taught through the use of direct and indirect proofs.

210011 Geometry, Honors (1.15 grade weight) – Grade 9-10

210012 Geometry, Pre-AP (1.15 grade weight) – Grade 9-10

210013 Geometry A – Prerequisite: Algebra I or equivalent – Grade 9 – 10

This course represents half of the objectives taught in a one-year geometry course, but places less emphasis on formal proofs. Completion of this course over a two-year period (Part A and Part B) will allow students to cover the objectives of Geometry at a slower pace.

210014 Geometry B – Prerequisite: Geometry A – Grade 10 -11

Geometry (Part B) continues an introduction of basic geometric concepts. Completion of this course over a two-year period (Part A and Part B) will allow students to cover the objectives of Geometry at a slower pace.

210015 Algebraic Connections - Prerequisite: Completion of Algebra and Geometry - Grade 10-11

This is a course that provides students with a helpful pathway to courses beyond the level of Algebra 1 and Geometry. It is designed primarily for students who have earned credits in both of these required courses, but who also need additional work in these subjects before taking Algebra II. Algebraic Connections integrates topics from algebra, geometry, measurement,

probability and statistics.

210036 Algebra with Finance – Prerequisite: Algebra I and Geometry – Grade 12 (*terminal course*)

This is a one-credit 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.

210016 Algebra II, non-Trigonometry - Prerequisite: Algebra I and Geometry – Grade 12 (*terminal course*)

Algebra II reviews and extends topics of Algebra and Geometry. Exponential and logarithmic relations are introduced. This course does not include an in-depth study of trigonometry; it does NOT meet requirements for the Honors seal.

210017 Algebra II with Trigonometry, Honors or Pre-AP (1.15 weight applied) Prerequisite: Algebra I and Geometry - Grade 10 - 12

Algebra II with Trig reviews and extends topics of Algebra I and Geometry. Conic sections and exponential and logarithmic relations are introduced and developed. This course also includes an in-depth study of trigonometry and therefore meets the requirements for the Honors seal.

210019 Mathematical Investigations – Grade 11-12

Mathematical Investigations is a course designed for students who have successfully completed the Algebra II with Trigonometry course and who choose not to continue mathematics study in the Pre-calculus or Analytical Mathematics courses. This course may be offered as an elective for students who have completed the four mathematics requirements for graduation. Mathematical Investigations is intended to extend students' knowledge of mathematical development. Beginning with ancient numeration systems, students explore relationships between mathematics and nature, music, art, and architecture as well as the contributions of well-known mathematicians. It extends the scope of prerequisite courses, integrating topics with an emphasis on application-based problem solving.



# Course Listings

210020 Pre-Calculus, Honors or Pre-AP (1.15 weight applied) - Prerequisite: Algebra I, Geometry and Algebra II with Trig - Grade 11-12

Pre-calculus is designed to provide the necessary prerequisites for the successful completion of college mathematics. It is a thorough review and enrichment of Algebra II with the addition of three-dimensional geometry, polar coordinates, sequences and series, limits and derivatives. This course is the equivalent of an entry level math course at the collegiate level.

210023 Calculus (1.15 weight applied) - Grade 12

This is the study of limits, differentiation and integration. Students will explore all types of functions and their applications in-depth. There is extensive use of graphing calculators in this course.

210025 Advanced Placement (AP) Calculus AB (1.2)

This is an Advanced Placement (AP) course. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential and logarithmic functions; and the definite integral and its basic applications to area and volume problems. This course follows the syllabus as set forth by the Advanced Placement College Board. With a passing score on the AP exam, students may obtain college credit.

210032 Mathematics Electives, Grades 9-12

*Locally developed courses must be Board-approved and state approved.*

210033 Mathematics Intervention, Grades 7-12 (no credit)

## Life Science

220011 Biology - Level: 9 - 10

Biology introduces students to the vast diversity of organisms and the characteristics that define life. Units include biodiversity, cells, interdependence, genetics and evolution. Inquiry based laboratory work is required. This course is designed to meet the science literacy requirements of the Biology core curriculum as defined by the Alabama Science Course of Study.

220012 Biology, Honors (1.15 grade weight)

220013 Biology, Pre-AP (1.15 grade weight)

220014 Advanced Placement (AP) Biology (1.2 grade weight)

This course is a college-level, advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for biology. It includes course work in scientific process and application skills, molecules, cells, heredity, evolution, organisms, and populations. With a passing score on the AP exam, students may obtain college credit.

## Physical Science

220051 Physical Science

Physical Science focuses on scientific facts, concepts, principles, theories and models that are important for scientific literacy. This course emphasizes firsthand observation through laboratory investigations, practical problem solving and the use of technology. Special attention is given to scientific application of knowledge and processes to practical real-world questions.

220062 Chemistry, Honors (Weight Applied 1.15) - Prerequisite: Algebra I

This course is designed to prepare students for college chemistry. Students will be required to complete formal lab reports and analyze specific data throughout the course. Students who take this course need to be independent learners and readers with very high ability to comprehend difficult concepts. Chemistry requires that students come to the course with the ability to perform algebraic operations and independently solve word problems.

220063 Chemistry, Pre-AP (1.15 grade weight)

220064 Advanced Placement (AP) Chemistry (1.2 grade weight)

College-level, advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for chemistry. It includes atomic theory and structure, chemical bonding, nuclear chemistry, gases, liquids and solids, solutions, reaction types, stoichiometry, equilibrium, kinetics, and thermodynamics. With a passing score on the AP exam, students may obtain college credit.

# Course Listings

220072 Physics, Honors (Weight Applied 1.15) - Prerequisite: Algebra II

This course covers the theoretical principles of matter and energy as well as advanced physics principles. Advanced physics principles and mathematical problems are applied which will fully prepare students for further physics study at the college level. Students must be comfortable and confident in their independent mathematical ability. The course employs mathematical analysis, laboratory experiments and computer-aided investigations to lead students to an understanding of the basic laws of nature as presently understood by science.

## Science Electives

*The following DO NOT meet the graduation requirements for biology or physical science:*

220026 Introduction to Anatomy

220027 Human Anatomy and Physiology, Honors (1.15 weight applied)

220029 Environmental Science

220081 Earth and Space Science

220090 Science Intervention, Grades 7-12 (no credit)

220045 Life Science Elective, Grades 9-12

Note: 220045 does not fulfill the graduation requirement for biology, “a physical science,” or the two additional science requirements. This course includes specialized topics, processes, skills, applications, principles, and experimentation in life science.

220054 Physical Science Elective, Grades 9-12

Note: 220054 does not fulfill the graduation requirement for biology, “a physical science,” or the two additional science requirements. This course includes specialized science topics, processes, skills, applications, principles, and experimentation.

*Locally developed courses must be Board-approved and state approved.*

## Social Science

230013 World History: 1500 to Present - Grade 9 This course explores historical development from 1500 to present, concentrating on the personalities, ideas and events that have shaped the modern era in Europe, the Western world, Africa and Asia. Geographic impact, development of civic knowledge/responsibilities and emerging economic systems within a chronological context will be emphasized.

230015 World History, Pre-AP (1.15 grade weight)

230016 United States History I: Beginnings to the Industrial Revolution - Grade 10

This course is the first half of a comprehensive two-year study of American history and geography. In tenth grade, students cover the historic development of American ideas and institutions from the Age of Exploration and Discovery to the turn of the century. While focusing on political and economic history, students will examine American culture through a chronological survey of major issues, movements, people and events in United States and Alabama history.

230018 U.S. History I, Pre-AP (1.15 grade weight)

230019 United States History II: The Industrial Revolution to the Present - Grade 11

Eleventh grade U.S. History focuses on twentieth century America and beyond. Knowledge and understanding gained during previous years of study provide the foundation for the critical analysis required in this course. In the eleventh grade, students cover the historic development of American ideas and institutions from the turn of the century to the current day. Students will focus on political and economic history and examine our American culture through a survey of major issues, movements, people and events in United States and Alabama history.

230022 Advanced Placement (AP) U.S. History (1.2 grade weight)

230041 United States Government - Semester Course - Grade 12

American Government is a one-semester course that examines the constitutional powers delegated to the three branches of federal government as well as those powers reserved to the states. Particular attention is also given to individual civil rights as well as the responsibilities of citizenship. Other topics included in this course are comparative political systems, a review of the foundations of the United States governmental system, the rise and importance of political parties and politics in a democratic government.

# Course Listings

230047 Advanced Placement (AP) United States Government and Politics (1.2 grade weight)  
College-level, advanced course following the curriculum established by the college board Advanced Placement (AP) Program for U.S. Government and Politics. With a passing score on the AP exam, students may obtain college credit.

230051 Economics – semester course – Grade 12  
Economics is a one-semester course that examines the basic principles of a capitalist economic system. Topics studied include the following: scarcity, the nature of economic systems, opportunity costs and price concepts, the nature of factor markets, efficiency, equity and the role of government, gross national product, inflation, unemployment, money and banking and monetary policy.

230054 Advanced Placement (AP) Macroeconomics (1.2 grade weight)

This is a college-level, advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for macroeconomics. It includes basic economic concepts, measurement of economic performance, national income and price determination, financial sector, inflation, unemployment, stabilization policies, economic growth and productivity, open economy, international trade, and finance.

## Social Studies Electives

230071 Psychology

230081 Sociology

230211 Social Studies Intervention – Grades 7-12 (no credit)

*Locally developed courses must be Board-approved and state approved.*

## Physical Education

240002 Lifelong Individualized Fitness Education (LIFE), Grades 9 – 12

**Required for graduation, only JROTC may be substituted. Students may only take this course one time for graduation credit.**

This course provides students with the opportunity to develop an individual level of fitness concepts and understand the significance of a healthy lifestyle. It will include a wide variety of activities such as volleyball,

basketball, soccer, football, tennis, archery, golf, badminton, rhythms, gymnastics, track and field, speedball, outdoor education and other games.

240003 Physical Education Elective, Grades 10 – 12  
*Specific P.E. elective courses are available. See your counselor for details.*

## Health

250002 Health

# Course Listings

## Career Preparedness

- 400025 Career Preparedness, One Credit
- 400026 Career Preparedness, Part A
- 400027 Career Preparedness, Part B

**(One credit required for graduation, no other course may be substituted.)**

## Technology Education and Information Science

- 260002 Computer Applications, Grades 9 – 12
- 260003 Computer Science Elective, Grades 7 – 12

## Foreign Languages

*Ask your high school guidance counselor about opportunities for other foreign language study via ACCESS Distance Learning.*

### 270153 Spanish I (1.15 Weight Applied)

In Spanish I, the student will acquire a basic vocabulary for reading, writing and conversation. The past and present tenses of verbs will be learned. The student will begin to learn about the civilization and culture of the Hispanic countries. Emphasis will be placed on developing oral proficiency.

### 270154 Spanish II (1.15 Weight Applied)

Prerequisite: Spanish I

Spanish II builds on the foundation of Spanish I. Students will learn additional verb tenses and increase their vocabulary. Students will continue to develop their listening, writing, reading and speaking skills. The study of Hispanic culture is a component of the course.

### 270155 Spanish III (1.15 Weight Applied)

Prerequisite: Spanish I and II

Spanish III builds on the skill developed in earlier Spanish study to prepare students for the additional study of Spanish at the college level. Special emphasis is placed on the skills required for communication, including writing, listening, speaking and reading practice.

## Fine Arts Courses

### Arts Survey

- 280001 Arts Survey

### Dance

- 280011 Dance Level I
- 280012 Dance Level II

### Music, Instrumental

- 280031 Instrumental Level I (one credit)
- 280032 Instrumental Level I (one-half credit)
- 280033 Instrumental Level II (one credit)
- 280034 Instrumental Level II (one-half credit)
- 280035 Instrumental Level III (one credit)
- 280036 Instrumental Level III (one-half credit)
- 280037 Instrumental Level IV (one credit)
- 280038 Instrumental Level IV (one-half credit)

### Music, Vocal

- 280051 Vocal I (one credit)
- 280052 Vocal I (one-half credit)
- 280053 Vocal II (one credit)
- 280054 Vocal II (one-half credit)
- 280055 Vocal III (one credit)
- 280056 Vocal III (one-half credit)
- 280057 Vocal IV (one credit)
- 280058 Vocal IV (one-half credit)

### Theater

- 280071 Theater Level I
- 280072 Theater Level II

### Visual Arts

- 280093 Visual Arts Level I
- 280094 Visual Arts Level II
- 280095 Visual Arts Level III
- 280096 Visual Arts Level IV

### Arts Electives

- 280039 Instrumental/Music Elective
- 280059 Vocal Ensemble
- 280060 Vocal Music Elective
- 280075 Musical Theatre
- 280076 Theatre Production
- 280099 Art Appreciation
- 280100 Photography

### Driver's Education

- 290001 Driver and Traffic Safety Education

# Course Listings

## Special Education, Non-Core Academics

600301 Transition Services I  
600302 Transition Services Elective  
600304 Transition Services 9  
600305 Transition Services 10  
600306 Transition Services 11  
600307 Transition Services 12

## Special Education, Essentials/Life Skills

700005 English Essentials 9  
700006 English Essentials 10  
700007 English Essentials 11  
700008 English Essentials 12  
700015 Algebraic Concepts  
700016 Algebraic Essentials A  
700017 Algebraic Essentials B  
700018 Geometry Essentials A  
700019 Geometry Essentials B  
700031 Essentials I: World History  
700032 Essentials II: U.S. History to 1877  
700033 Essentials III: U.S. History from 1877  
700034 Essentials IV: Economics  
700035 Essentials IV: U.S. Government  
700041 Transition Services II  
750101 Essentials : Physical Science  
750201 Essentials: Biology  
750301 Essentials: Earth and Space Science  
750401 Essentials: Environmental Science  
750501 Essentials: Human Anatomy and Physiology

## Special Education, Alternate Achievement Standards Courses

600419 AAS: Reading 9  
600420 AAS: Reading 10  
600421 AAS: Reading 11  
600422 AAS: Reading 12  
600439 AAS: English Language Arts 9  
600440 AAS: English Language Arts 10  
600441 AAS: English Language Arts 11  
600442 AAS: English Language Arts 12  
600459 AAS: Mathematics 9  
600460 AAS: Mathematics 10  
600461 AAS: Mathematics 11

600462 AAS: Mathematics 12  
600479 AAS: Science 9  
600480 AAS: Science 10  
600481 AAS: Science 11  
600482 AAS: Science 12  
600499 AAS: Social Studies 9  
600500 AAS: Social Studies 10  
600501 AAS: Social Studies 11  
600502 AAS: Social Studies 12  
600512 AAS: Life Skills 9  
600513 AAS: Life Skills 10  
600514 AAS: Life Skills 11  
600515 AAS: Life Skills 12  
600521 AAS: Pre-Vocational 9  
600522 AAS: Pre-Vocational 10  
600523 AAS: Pre-Vocational 11  
600524 AAS: Pre-Vocational 12  
600531 AAS: Vocational 9  
600532 AAS: Vocational 10  
600533 AAS: Vocational 11  
600534 AAS: Vocational 12  
600541 AAS: Community Based Instruction 9  
600542 AAS: Community Based Instruction 10  
600543 AAS: Community Based Instruction 11  
600544 AAS: Community Based Instruction 12  
600551 AAS: Elective 9  
600552 AAS: Elective 10  
600553 AAS: Elective 11  
600554 AAS: Elective 12  
600002 Adaptive Physical Education

## Special Assignments, Credit

802200 Enrichment  
802204 Content Textual Reading  
802205 Transferred Elective  
802206 Student Aide  
802207 Peer Helper

## Special Assignments, No Credit

802100 Homeroom  
802102 Lunch  
802104 Study Hall  
802105 Orientation  
802106 Student Aide  
802107 Peer Helper

# Career Technical Education Courses

*NOTE: All of these courses are reserved for teachers who are designated as career technical teachers except where indicated.*

## **Career Technical Education Courses**

- 400016 Workforce Essentials (Special Ed. teachers)
- 400031 Cooperative Education Seminar/Work Based Experience (semester one)
- 400032 Cooperative Education Seminar/Work Based Experience (semester two)

## **Agricultural Food and Natural Resources**

- 420009 Agriscience (one credit)
- 420010 Agriscience (one-half credit)
- 420012 Introduction to Metal Fabrication (one credit)
- 420013 Introduction to Metal Fabrication (one-half credit)
- 420020 Forestry (one credit)
- 420021 Forestry (one-half credit)
- 420024 Fish and Wildlife Management (one credit)
- 420025 Fish and Wildlife Management (one-half credit)
- 420026 Environmental Management
- 420030 Animal Science (one credit)
- 420031 Animal Science (one-half credit)
- 420051 Horticulture Science (one credit)
- 420052 Horticulture Science (one-half credit)
- 420053 Plant Biotechnology
- 420054 Greenhouse Production and Management
- 420058 Landscape Design and Management (one-half credit)
- 420059 Residential Landscape Establishment and Management
- 420062 Floral Design and Interiorscaping
- 420071 Agribusiness Technology
- 420073 Agricultural Communications (one credit)
- 420074 Agricultural Communications (one-half credit)
- 420075 Agribusiness Management (one credit)
- 420076 Agribusiness Management (one-half credit)

## **Business Management and Administration**

- 450006 Business Technology Applications
- 450031 Advanced Business Technology Applications
- 410016 Multimedia Design
- 410017 Multimedia Publications
- 400022 Personal Finance (one-half credit)
- 450021 Business Finance (one credit)

## **Education and Training (FACS teachers only)**

- 460009 Education and Training
- 460011 Teaching I
- 460012 Teaching II

## **Human Services**

- 510004 Family and Consumer Sciences
- 510011 Food and Nutrition (one credit)
- 510012 Food and Nutrition (one-half credit)
- 510013 Chemistry of Food
- 510014 Dietetics
- 510021 Child Development (one credit)
- 510022 Child Development (one-half credit)
- 510023 Parenting (one credit)
- 510024 Parenting (one-half credit)
- 510031 Life Connections (one credit)
- 510032 Life Connections (one-half credit)
- 510041 Fashion (one credit)
- 510042 Fashion (one-half credit)
- 510043 Creative Arts (one-half credit)
- 510044 Fashion Design
- 510051 Housing (one credit)
- 510052 Housing (one-half credit)
- 510053 Interior Design I
- 510054 Interior Design II

# Programs Available at the Cullman Area Technology Academy

## **Electrical Technology**

Gain valuable experience in the shop and around campus in this hands-on program where you will learn basic, commercial and residential wiring. Instruction and training is provided in the proper use and maintenance of essential tools and equipment. Gain hands-on experience in the lab and around campus. All work meets applicable local, state and federal safety and environmental regulations. Articulated credit is available as well as OSHA and NCCER credentials.

## **Engineering**

Learn problem-solving and critical thinking skills to help make the world a better place. Use robotics to learn engineering systems, mechanical and electrical design processes, teamwork, and leadership. Experiences will help students gain the knowledge and skills necessary to continue their education at a college or university, or to enter the workforce as an employee with positive contributions to the company from day one.

## **Health Science**

Obtain valuable experience and knowledge that will open your future to a variety of health care careers. Clinical experience in hospitals/nursing homes and vet offices allows students to learn in actual work settings. Learn infection control, vital signs, medical terminology, disease processes, medication dosage, anatomy/physiology and teamwork skills. The Foundations of Health Science course may be substituted for Health Education. CNA credentialing is offered.

## **Horticulture**

From managing the appearance of golf courses to designing exquisite landscapes with curb appeal, in Horticulture you will learn landscape design and management, sports and recreation turf care, floral

design and greenhouse/nursery operations. Students operate the greenhouses, landscape, and have semi-annual plant sales. They can also gain credentialing in Landscape Management.

## **Heating, Ventilation, Air Conditioning and Refrigeration**

Manage residential environments by controlling temperature, humidity and air quality systems. You will learn to install, repair and maintain residential, commercial and industrial heating, air conditioning and refrigeration units. Freon Recovery Certification and NCCER credentialing are offered.

## **Industrial Maintenance**

Learn the repair and upkeep of the different types of equipment and machines used in an industrial setting. The basics can be broken down into the following five categories: general knowledge, mechanical knowledge, electrical knowledge, welding knowledge, and preventative maintenance. Because of this wide variety of areas of expertise, maintenance technicians usually are multi-skilled individuals, proficient in many tasks. Industrial maintenance also involves a great degree of problem-solving skill. Identifying and resolving a problem using the best and safest means with varying degrees of difficulty are integral parts of the maintenance process.

## **Precision Machining**

Discover the technical craftsmanship required to transform metal into precision components and products. Gain hands-on experience as well as classroom instruction in all aspects of basic machining. Projects include blueprint reading, bench work, layout engine lathes and milling machines. Hands-on projects are used to build actual tools and machines. OSHA credentialing is offered.



# Programs Available at the Cullman Area Technology Academy

## **Welding Technology**

Learn a multitude of welding processes applicable to many metal fabrication industries. Training covers blueprint reading, metal fabrication, oxy fuel, air carbon and plasma arc cutting, set up and inspection techniques. Shielded metal, gas metal, gas tungsten and flux cored arc welding procedures are covered. This program is certified by the American Welding Society and offers NCCER credentialing.

## **Auto Collision Repair**

Repair and restore vehicles to "like new" condition following manufacturer specifications. Projects include preparing damage reports, sheet metal and structural repair, grinding, sanding, replacement of auto parts, upholstery, trim and glass in addition to painting and detail work. OSHA credentialing is offered through this program.

## **Auto Service Technology**

Diagnose and repair the advanced computerized control systems on today's vehicles. Train in tire and wheel alignment, battery, engine, brake, steering and suspension, power train and air conditioning service, lubrication, cooling, fuel and exhaust, electrical, starting, charging and ignition systems, vehicle safety inspection and emission testing. This program is certified by NATEF, National Automotive Technicians Education Foundation, and offers OSHA credentialing.

## **Cosmetology**

Our Cosmetology program is designed for students who are looking for a successful career in the beauty industry. The program offers the latest trends and styles in hair, skin, and nails while gaining employability skills also. Credentialing is offered in Barbicide: Infection Control Certification.

## **Culinary Arts & Hospitality**

Train in a full size restaurant-style kitchen/dining facility and prepare meals for paying customers one day a week. Learn to prepare and serve vegetables, fruits, salads, dressings, soups, sauces, meats, poultry,

fish, pastries, desserts and hors d'oeuvres. Nutrition, menu planning, safety and sanitation are also covered. ServSafe credentialing is offered through this program.

## **Drafting and Design**

In the Drafting and Design Technology department you will gain classroom and lab experiences in theoretical and practical aspects of creating engineering drawings. Emphasis is placed on CADD (computer-aided drafting and design) drafting systems and techniques. Instruction is designed to provide experience in the use of reproduction, materials, equipment and processes of developing engineering drawings. OSHA credentialing is offered.

## **Building Construction**

Students learn tool and equipment safety, blueprint reading, site preparation, layout of floor, wall, roof systems, and stairs. Interior and exterior finishing techniques are covered in residential and commercial construction. Students use gained knowledge for individual projects as well as live work. Students can earn national credentialing through NCCER certification.

## **JROTC**

Army Junior Reserve Officers Training Corps (JROTC) provides leadership, citizenship, patriotism, life skills and adventure training to the students of Cullman County. We are not recruiters but retired soldiers seeking to provide these opportunities to the students of Cullman County. Some of our students will pursue careers in the military, but most will not. Successful students may apply credit from the course when joining the military. We use U.S. Army uniforms, structure, and training as the backdrop for our program. We also garner close relationships with local veterans' organizations in pursuit of our goals.

# Individualized Four Year Plan- Parent Copy

Student's Name \_\_\_\_\_

Grade \_\_\_\_\_

School \_\_\_\_\_

Diploma:     \_\_\_Alabama High School Diploma  
               \_\_\_Alabama High School Diploma/Graduate of  
               Distinction

Postsecondary Plans:   \_\_\_Four-year College or University  
                               \_\_\_Junior College  
                               \_\_\_Technical School  
                               \_\_\_Military  
                               \_\_\_Workforce

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Subject Credits
<b>Core</b>					
Math					4
English					4
Science					4
Social Studies					4
<b>Elective</b>					
Physical Education					1
Fine Arts					
Foreign Language					
Health					0.5
Business Tech					
Career Preparedness/ CTE Elective					1
Elective – Non Career Tech					
<b>TOTAL Credits</b>	7	7	7	7	

# Individualized Four Year Plan- Guidance Copy

Student's Name \_\_\_\_\_

Grade \_\_\_\_\_

School \_\_\_\_\_

Diploma:    \_\_\_Alabama High School Diploma  
 \_\_\_Alabama High School Diploma/Graduate of  
 Distinction

Postsecondary Plans:    \_\_\_Four-year College or University  
 \_\_\_Junior College  
 \_\_\_Technical School  
 \_\_\_Military  
 \_\_\_Workforce

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Subject Credits
<b>Core</b>					
Math					4
English					4
Science					4
Social Studies					4
<b>Elective</b>					
Physical Education					1
Fine Arts					
Foreign Language					
Health					0.5
Business Tech					
Career Preparedness/ CTE Elective					1
Elective – Non Career Tech					
<b>TOTAL Credits</b>	7	7	7	7	24

Date: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Parent Signature: \_\_\_\_\_

Date: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Parent Signature: \_\_\_\_\_

Date: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Parent Signature: \_\_\_\_\_

Date: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Parent Signature: \_\_\_\_\_