



Clay-Chalkville High School

Dear Clay- Chalkville High School Parents and Students:

We are excited to continue to have you as a member of our CCHS learning community for the upcoming 2015-2016 school year!

Clay-Chalkville High School operates under a modified block schedule, offering each student 9 classes. Each semester, students will have 4 classes that meet every day and end at the end of the term. Every student will have one additional class that lasts the entire school year and meets every day.

Selecting a sound academic program for one's high school career is becoming increasingly complicated. Clay-Chalkville High School offers a modern, comprehensive curriculum designed to prepare each student for his current needs, higher education, or entry into the world of work. We cannot stress strongly enough the need for careful and intelligent planning with the student, his parents, and his counselor, if sound programs are to be well adapted to individual requirements.

As you examine the course selections, consider short-term and long-term goals. Be aware that we have a variety of electives from which you may choose; on the other hand, we also have a number of requirements for graduation which must be kept in mind at all stages of planning. Our counselors are available to answer questions about any of the courses that are listed on the course selection sheet and the requirements for each diploma type. Students and/or their parents are invited to make an appointment with our counselors as needed.

Please keep in mind that once you have placed a choice on your course selection sheet you are in the class. We will not change schedules if you have placed a course on your selection sheet.

Classes are scheduled by these selection sheets, so it crucial that you be very careful when making your selections.

Please be guided in your choice of programs by today's job and college admission requirements. If you have a question, please call the school to determine accurate information. We will be more than pleased to assist you by answering any questions which may arise or clarify situations about which you may have doubt.

Above all, plan a program which challenges you to appropriately set realistic goals and enables you to take advantage of the diversified offerings available here. Always plan course selections with alternatives in mind, since that is the only flexible way to assure a sound education in today's constantly changing environment.

As always, the school is ready to help you in any way we can. Please do not hesitate to call.

Michael Lee

Principal

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JEFFERSON COUNTY SCHOOLS DIPLOMA REQUIREMENTS
For CLASS OF 2016 ONLY

Diploma Type	Alabama High School Diploma	AHSD w/ Adv. Academic Endorsement
ENGLISH	4 credits	4 credits
MATH	4 credits Must include: Algebra I or A/B Geometry	4 credits Must include: Algebra I or A/B – (<i>Course progression will begin with Geometry if Algebra I is successfully completed in 8th grade</i>) Geometry Algebra II w/ Trig or Algebra II
SCIENCE	4 credits Must include: Biology A Physical Science (<i>physical science, chemistry, or physics</i>)	4 credits Must include: Biology Chemistry
SOCIAL STUDIES	4 credits	4 credits
FOREIGN LANGUAGE	None	2 credits (in the same language)
PE	1 credit - L.I.F.E. Course required	1 credit - L.I.F.E. Course required
HEALTH	.5 credit	.5 credit
ARTS EDUCATION	1 credit	1 credit
COMPUTER APPLICATIONS	1 credit	1 credit
ONLINE EXPERIENCE	Students must complete one online/technology enhanced course or experience prior to graduation.	Students must complete one online/technology enhanced course or experience prior to graduation.
ELECTIVES	8.5 credits	6.5 credits
TOTAL CREDITS	28 **	28

** AN ADDITIONAL DIPLOMA TYPE IS ALSO AVAILABLE, BUT THIS OPTION IS NOT CONSIDERED UNTIL THE STUDENT'S SENIOR YEAR. IT MUST BE AGREED UPON BY THE PARENT, STUDENT, AND COUNSELOR/ ADMINISTRATOR.

ALABAMA HS DIPLOMA WITH ADVANCED ACADEMIC ENDORSEMENT WITH DISTINCTION
REQUIRING TWO (2) CREDITS IN AN ADVANCED PLACEMENT (AP) COURSE
GPA REQUIREMENT OF 3.0 OR ABOVE

ENGLISH	4 credits - <i>Note: One or both of the required AP credits may be satisfied by courses in AP English.</i>
MATH	4 credits Must include: Algebra I and, (<i>course progression will begin with Geometry if Algebra I is successfully completed in 8th grade</i>) Geometry, and Algebra II w/ Trig, and Pre-Calculus or AP Statistics* <i>*Note: If AP Statistics is used to satisfy this requirement, that credit MAY NOT be used to satisfy the AP credit requirement. AP Calculus will ALWAYS satisfy one of the two required AP requirements.</i>
SCIENCE	4 credits Must include, Biology, and Chemistry, and Physics or any AP Science* <i>*Note: If an AP Science is used to satisfy this requirement, that credit MAY NOT be used to satisfy the AP credit requirement. A SECOND AP science course will ALWAYS satisfy one of the two required AP courses.</i>
SOCIAL STUDIES	4 credits - <i>Note: one or both of the required AP credits may be satisfied by AP courses in social studies.</i>
FOREIGN LANGUAGE	2 credits – in the same language. <i>Note: one or both of the required AP credits may be satisfied by AP courses in foreign language.</i>
PE	1 credit - L.I.F.E. Course required
HEALTH	.5 credit
ARTS EDUCATION	1 credit – <i>Note: one or both of the required AP credits can be satisfied by AP courses in the fine arts area.</i>
COMPUTER APPLICATIONS	1 credit
ONLINE EXPERIENC	Beginning with Class of 2013 students must complete one online/technology enhanced course or experience prior to graduation

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ELECTIVES	8.5 Credits
TOTAL CREDITS	30

Diploma Requirements for Graduating beginning with Classes 2016-2017

	Alabama High School Diploma	Credits	Advanced Academic Endorsement with Distinction	Fine Arts Endorsement with Merit	Career Tech Endorsement with Merit
	Total Credit Requirements	24	30*	30	30
	GPA Requirements	NONE	3.0	3.0	3.0
AREA of STUDY	Requirements				
ENGLISH	English 9, 10, 11, and 12 or any AP/IB/postsecondary equivalent option of these courses	4	4	4	4
MATHEMATICS	Algebra I, Geometry, 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 ACOS or the CTE/AP/IB/post-secondary equivalent courses.	4	4	4	4
SCIENCE	Biology and a physical science (A physical science is Physical Science, Chemistry, and Physics.) The third and fourth science credits may be used to meet both the science and CTE course requirement and must be chosen from the ACOS or the CTE/AP/IB postsecondary equivalent courses.	4	4	4	4
SOCIAL STUDIES	World History, US History x2, and Government/Economics or AP/IB/postsecondary equivalent courses.	4	4	4	4
Physical Education	LIFE (Personal Fitness) One JROTC credit may be used to meet this requirement.	1	1	1	1
Health Education	<i>Alabama Course of Study: Health Education</i>	.5	.5	.5	.5
Career Preparedness	Career Preparedness Course (Career and Academic Planning, Computer Applications, Financial Literacy)	1	1	1	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	3	3	3
Electives		2.5	8.5	8.5	8.5

Academic Advanced Courses	5+ AP Courses passed or 6 IB courses passed; 3 AP exams for AP courses must be taken		5+		
Fine Arts	5+ Fine Art Courses passed; if an AP Fine Arts course is taken the AP exam must be taken			+5	
CTE	5+ CTE Courses passed (excluding the Career Preparedness Course)				+5

NCAA REQUIREMENTS FOR STUDENT ATHLETES

Students who intend to participate in Division I or II athletics as a freshman in college must be registered with and be certified as eligible by the NCAA Initial-Eligibility Clearinghouse. Please note that initial-eligibility certification pertains only to whether or not a student meets the NCAA requirements for participation and has no bearing on whether he/she qualifies for admission to a particular Division I or II institution.

To be certified by the Clearinghouse, a student must meet the following three requirements:

1. **Graduate from high school.** Apply for certification before graduation if you are sure you wish to participate in athletics at the college to which you will be admitted. The Clearinghouse will issue a preliminary certification report after you have had all your materials submitted. After you graduate, the Clearinghouse will review your final transcript to make a final certification decision according to NCAA standards. Certificate applications should be filled out after receiving junior-year grades. Applications can be obtained from the school counselor.

2. **CORE COURSES**

CORE UNITS REQUIRED FOR NCAA CERTIFICATION	Division I Entered 9 th grade after 2008	Division II
English Core	4 years	3 years
Math Core*	3 years	2 years
Science Core (include one lab science)	2 years	2 years
Social Science Core	2 years	2 years
From English, math, or science	1 year	3 years
Additional Courses (any area above, foreign language, religion/philosophy)	4 years	4 years
Total Core Units Required	16	16

3. **GRADE POINT AVERAGE/ TEST SCORES:**

Division I –The minimum GPA in the 16 core courses and the required ACT / SAT score varies according to the Initial-Eligibility Index below:

<i>Use for Division I prior to August 1, 2016</i>			<i>Use for Division I beginning August 1, 2016</i>		
Core GPA	SAT	ACT	Core GPA	SAT	ACT
3.550 & above	400	37	3.550 & above	400	37
3.525	410	38	3.525	410	38
3.500	420	39	3.500	420	39
3.475	430	40	3.475	430	40
3.450	440	41	3.450	440	41
3.425	450	41	3.425	450	41
3.400	460	42	3.400	460	42
3.375	470	42	3.375	470	42
3.350	480	43	3.350	480	43
3.325	490	44	3.325	490	44
3.300	500	44	3.300	500	44
3.275	510	45	3.275	510	45
3.250	520	46	3.250	520	46
3.225	530	46	3.225	530	46
3.200	540	47	3.200	540	47
3.175	550	47	3.175	550	47
3.150	560	48	3.150	560	48
3.125	570	49	3.125	570	49
3.100	580	49	3.100	580	49
3.075	590	50	3.075	590	50
3.050	600	50	3.050	600	50
3.025	610	51	3.025	610	51
3.000	620	52	3.000	620	52
2.975	630	52	2.975	630	52
2.950	640	53	2.950	640	53
2.925	650	53	2.925	650	53
2.900	660	54	2.900	660	54
2.875	670	55	2.875	670	55
2.850	680	56	2.850	680	56
2.825	690	56	2.825	690	56
2.800	700	57	2.800	700	57
2.775	710	58	2.775	710	58
2.750	720	59	2.750	720	59
2.725	730	59	2.725	730	60
2.700	730	60	2.700	740	61
2.675	740-750	61	2.675	750	61
2.650	760	62	2.650	760	62
2.625	770	63	2.625	770	63
2.600	780	64	2.600	780	64
2.575	790	65	2.575	790	65
2.550	800	66	2.550	800	66
2.525	810	67	2.525	810	67
2.500	820	68	2.500	820	68
2.475	830	69	2.475	830	69

2.450	840-850	70	2.450	840	70
2.425	860	70	2.425	850	70
2.400	860	71	2.400	860	71
2.375	870	72	2.375	870	72
2.350	880	73	2.350	880	73
2.325	890	74	2.325	890	74
2.300	900	75	2.300	900	75
2.275	910	76	2.299	910	76
2.250	920	77	2.275	910	76
2.225	930	78	2.250	920	77
2.200	940	79	2.225	930	78
2.175	950	80	2.200	940	79
2.150	960	80	2.175	950	80
2.125	960	81	2.150	960	81
2.100	970	82	2.125	970	82
2.075	980	83	2.100	980	83
2.050	990	84	2.075	990	84
2.025	1000	85	2.050	1000	85
2.000	1010	86	2.025	1010	86
			2.000	1020	86

Division II- Earn a grade-point average of at least 2.00 (on a 4.0 scale) in a core curriculum of at least 16 academic courses, which were successfully completed during Grades 9-12. You must earn a 2.0 GPA average in your core courses. Only courses that satisfy the NCAA definition of a core course can be used to calculate your NCAA GPA. No special values are allowed for “+” or “-” grades. You must also earn a combined SAT score of 820 or an ACT sum score of 68.

 To initiate your contact with NCAA Initial-Eligibility Clearinghouse, a student should do the following:

1. Take the ACT and/or SAT and designate the Clearinghouse (Code #9999) as one of your score reporting choices.
2. Obtain a Clearinghouse form from the school guidance office, complete it, and send the white copy with the required fee (check or money order) in an envelope using the address label attached to the informational brochure.

ENGLISH LANGUAGE ARTS

GPA indicates the quality point value of the course.
+0.5 points are added for Advanced

“Regular” means no additional quality point is added.
+1.0 points are added for AP

Course Title	Pre- Requisite	Course Description		
English 10	English 9	<p><i>English 10</i> is a one-credit course that addresses the required 10th grade <i>Alabama Course of Study</i> standards in reading, pre-twentieth century American literature, writing and language, research and inquiry, oral and visual communication. Students produce a research paper on a teacher-approved topic and refine narrative, expository, and persuasive writing for timed tests. A research paper is required. Students apply more advanced reading comprehension skills as they read challenging texts such as Shakespeare’s <i>Julius Caesar</i> and assigned novels selected from the JefCoEd reading list.</p>		
		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Fee: None</td> <td style="width: 50%;">GPA: Regular</td> </tr> </table>	Fee: None	GPA: Regular
Fee: None	GPA: Regular			
English 10 Advanced Level	<p>English 9 OR English 9 Advanced</p> <p><i>This course is recommended for students who are motivated to attempt a more challenging 10th grade English curriculum and are planning on taking AP English Language and AP English Literature.</i></p>	<p><i>English 10 Advanced</i> is a one-credit course that accelerates the study of the required 10th grade <i>Alabama Course of Study</i> standards in reading, pre-twentieth century American literature, writing and language, research and inquiry, oral and visual communication. Students produce a research paper on a teacher-approved topic and refine narrative, expository, and persuasive writing for timed tests. In addition, writing, editing, language, and reading comprehension skills required for college entrance exams (ACT, SAT) will be developed. Students begin to apply stylistic analysis of more complex passages and works in preparation for the English 11 Advanced Placement course. Rigorous Pre- AP strategies from LTF are implemented as students read more difficult texts such as Shakespeare’s <i>Julius Caesar</i> and additional assigned novels selected from the JefCoEd reading list.</p> <p>SUMMER READING IS REQUIRED: Students will need to see the appropriate teacher for a reading packet before leaving for the summer</p>		
		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Fee: None</td> <td style="width: 50%;">GPA: + 0.50 For an A, B ,C or D</td> </tr> </table>	Fee: None	GPA: + 0.50 For an A, B ,C or D
Fee: None	GPA: + 0.50 For an A, B ,C or D			
English 11	Eng. 10	<p><i>English 11</i> is a one-credit course that addresses the required 11th grade <i>Alabama Course of Study</i> standards in reading, American literature from the 1900’s, writing and language, research and inquiry, and oral and visual communication. Students apply advanced reading comprehension skills as they read challenging contemporary drama and novels from the Jefferson County Board of Education Recommended Reading list.</p>		
		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Fee: None</td> <td style="width: 50%;">GPA: Regular</td> </tr> </table>	Fee: None	GPA: Regular
Fee: None	GPA: Regular			

AP English 11 Language Composition	English 10 Advanced <i>This is a college level class designed for students who are highly motivated to attempt a more rigorous English program.</i>	<p><i>English 11 AP Language and Composition</i> is a one-credit college level course that engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their reading and writing should make students aware of the interactions among a writer’s purposes, audience expectation, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. American literature is the primary genre. Expanded reading from college recommended texts and writing reflecting the types tested on the AP exam are included.</p> <p>REQUIREMENTS:</p> <p>a. Take the AP Language exam in May.</p> <p>b. Pay for the AP exam.</p> <p>c. Summer reading and assignment: Students will need to see the appropriate teacher for a reading packet before leaving for summer break. The reading and assignment will be due the first week of school.</p>
Fee: None		GPA: + 1.00 For an A, B, C or D
English 12	English 11	<p><i>English 12</i> is a one-credit course that addresses the required 12th grade <i>Alabama Course of Study</i> standards in reading, British literature, writing and language, research and inquiry, oral and visual communication. The writing, editing, language, and reading comprehension skills tested on college entrance exams (ACT, SAT) will be studied. Students will expand their advanced reading skills as they analyze more complicated British literature such as Shakespeare’s <i>Macbeth</i>. They will read additional novels selected from the JefCoEd Recommended Reading list.</p>
Fee: None		GPA: Regular
AP English 12	Eng. 11 OR English 11 AP <i>This is a college level class recommended for highly motivated students who want to attempt a more rigorous English program.</i>	<p><i>English 12 AP Literature and Composition</i> is a one-credit college level English course that engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work’s structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. British literature will be emphasized. Expanded reading from college recommended texts and writing on literature similar to the type of writing tested on the AP exam are included.</p> <p>REQUIREMENTS:</p> <p>a. Take the AP Literature exam in May.</p> <p>b. Pay for the AP exam.</p> <p>c. Summer reading and assignment: Students will need to see the appropriate teacher for a reading packet before leaving for summer break. The reading and assignment will be due the first week of school.</p>
Fee: None		GPA: +1.00 For an A, B, C or D

MATHEMATICS

GPA indicates the quality point value of the course.
+0.5 points are added for Advanced

“Regular” means no additional quality point is added.
+1.0 points are added for AP

Course Title	Pre- Requisite	Course Description
Geometry	Algebra I	Geometry is a one-credit course that studies two and three dimensional figures, coordinates, transformations, and properties and theorems related to lines, circles, and triangles. Spatial sense, inductive reasoning and deductive reasoning are developed. Geometry is required for the Alabama High School Diploma.
		Fee: None GPA: Regular
Geometry Advanced	Algebra I and teacher recommendation <i>This course is recommended for students who are motivated to attempt a more challenging mathematics curriculum and plan to eventually take AP Calculus.</i>	Advanced Geometry is a one-credit course that emphasizes the skills and strategies students need to succeed in Advanced math courses that eventually leads to AP Calculus in 11th and/or 12 th grade. This rigorous course includes an in-depth study of formal proof, and extensive applications of topics studied in Geometry. Tenth graders who wish to progress to AP Calculus should take Advanced Algebra II with Trigonometry concurrently with this course.
		Fee: None GPA: +.5 for A, B, C or D
Algebraic Connections	Algebra I AND Geometry	Algebraic Connections is a one-credit course that is designed for students who need additional mathematical experiences prior to enrollment in Algebra II with Trigonometry. It includes topics on exponential growth, linear programming, quadratics, probability, statistics, geometry, personal finance, and measurement. <i>This course does not include mathematical preparation necessary for college bound students.</i>
		Fee: None GPA: Regular
Algebra II with Trigonometry	Algebra I	Algebra II with Trigonometry is a one-credit course that extends students’ algebraic knowledge and skills to quadratic and other non-linear functions and includes the study of right triangle and unit circle trigonometry. This course is required for the Alabama High School Diploma’s <i>Advanced Academic Endorsement</i> , and is necessary for success on the ACT and SAT tests. <i>All students who plan to attend college should take Algebra II with Trigonometry course.</i>
		Fee: None GPA: Regular

Algebra II with Trigonometry Advanced Level	Algebra I <i>This course is recommended for students who are motivated to attempt a more challenging mathematics curriculum and plan to eventually take AP Calculus.</i>	<i>Advanced Algebra II with Trigonometry</i> is a one-credit course that builds the skills necessary for success in Advanced, AP, and/or dual enrollment courses in pre-calculus, statistics, and calculus. The course involves analysis of quadratic and other non-linear functions both with and without the use of a graphing calculator. Unit circle and right triangle trigonometry are also studied. Practical applications are emphasized through required projects with additional performance expectations. Algebra II with Trigonometry is required for the <i>Advanced Academic Diploma</i> and is necessary for success on the ACT and SAT tests.
		Fee: None GPA: +.5 for A, B, C or D
Algebra II (12th grade only)	Algebra I AND Geometry	Algebra II is a terminating course 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. The use of appropriate technology is also encouraged for numerical and graphical investigations. Algebra II with Trigonometry or Algebra II is required to complete the graduation requirements for the Alabama High School Diploma. This course does not provide sufficient background to prepare students to pursue higher-level mathematics courses.
		Fee: None GPA: Regular
Pre-Calculus (12th grade only)	Algebra II w/ Trig	Pre-Calculus is a course designed for students who have successfully completed the Algebra II with Trigonometry course. This course is considered to be a pre-requisite for success in calculus and college mathematics. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Pre-Calculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions. Application-based problem solving is an integral part of the course. Instruction should include appropriate use of technology to facilitate continued development of students' higher-order thinking skills.
		Fee: None GPA: Regular
Pre-Calculus Advanced Level	Algebra II w/Trig or Adv. Alg. II w/ Trig <i>This course is recommended for students who are motivated to attempt a more challenging Mathematics curriculum and plan to eventually take AP Calculus.</i>	<i>Advanced Pre-Calculus</i> is a one-credit course that builds the skills necessary for success in AP Calculus. The course includes the expanded study of polynomial functions, conic sections, logarithmic and exponential equations and advanced trigonometric applications. Advanced Pre-Calculus can be used to fulfill the requirement for the Alabama High School Diploma's Advanced Academic Endorsement and is strongly suggested for college-bound students.
		Fee: None GPA: +.5 for A, B, C or D

<p>AP Calculus (AB Level)</p>	<p>Advanced Pre-Calculus OR Pre-Calculus with teacher recommendation</p> <p><i>This is a college level class recommended for highly motivated students who want to attempt a more rigorous Mathematics program.</i></p>	<p><i>AP Calculus AB</i> is a one-credit course that includes the content typically taught in the first two semesters of college calculus. The course includes the study of differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions with emphasis on applications. Colleges' award credit based upon local policy and scores earned on the national AP Calculus Exam.</p> <p>Data by observing patterns, planning a study, anticipating patterns through probability and simulation, and statistical inference. This course prepares students to take the AP Statistics examination for college credit.</p> <p>REQUIREMENTS:</p> <p>a. Take the AP Calculus exam in May.</p> <p>b. Pay for the AP exam.</p>		
		<table border="1"> <tr> <td data-bbox="760 548 1003 558">Fee: Required</td> <td data-bbox="1003 548 1513 558">GPA: +1.0 For an A, B, C, or D</td> </tr> </table>	Fee: Required	GPA: +1.0 For an A, B, C, or D
Fee: Required	GPA: +1.0 For an A, B, C, or D			
<p>Discrete Math</p>	<p>Algebra I AND Geometry AND Algebra II w/ Trig</p>	<p>Discrete Mathematics 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. Discrete mathematics expands upon the topics of matrices, combinatorial reasoning, counting techniques, algorithms, sequences, series, and their applications. Students are expected to work in both individual and group settings to apply problem-solving strategies and to incorporate technological tools that extend beyond traditional instructional practices.</p>		
		<table border="1"> <tr> <td data-bbox="760 1022 1003 1033">Fee: None</td> <td data-bbox="1003 1022 1513 1033">GPA: Regular</td> </tr> </table>	Fee: None	GPA: Regular
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SCIENCE

GPA indicates the quality point value of the course.
+0.5 points are added for Pre-AP.

“Regular” means no additional quality point is added.
+1.0 points are added for AP

Course Title	Pre- Requisite	Course Description
AP Biology	Biology OR Advanced Biology OR Chemistry <i>This is a college level class recommended for highly motivated students who want to attempt a more rigorous science program.</i>	AP Biology is a one-credit course that designed to be the equivalent of a two-semester college introductory biology course usually taken by college majors during their first year. The course includes Molecules & Cells, Heredity & Evolution, and Diversity of Populations & Organisms. AP Biology aims to provide students with the conceptual framework, factual knowledge & analytical skills necessary to deal critically with the rapidly changing science of biology. REQUIREMENTS: a. Take the AP Biology exam in May. b. Pay for the AP exam.
		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Fee Required</td> <td style="width: 50%;">GPA: +1.0 For an A, B , C or D</td> </tr> </table>
Fee Required	GPA: +1.0 For an A, B , C or D	
Chemistry	Algebra I <u>Recommended Co-Requisite:</u> Algebra II w/Trig	This course (or Advanced Chemistry) is a one-credit course required for the Alabama High School Diploma’s Advanced Academic Endorsement. Chemistry provides the basis for students to address consumer, health, safety, environmental, technological, societal, and scientific issues on a daily basis. The content defines the fundamental knowledge and skills necessary for students to develop an understanding of the most basic chemistry concepts associated with structure, form, change, availability, and uses of matter and energy.
		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Fee Required</td> <td style="width: 50%;">GPA: Regular</td> </tr> </table>
Fee Required	GPA: Regular	
Chemistry Advanced Level	“B” average in previous science course, “B” average in Algebra I <u>Recommended Co-Requisite:</u> Advanced Algebra II w/ Trig	This course (or Regular Chemistry) is a one-credit course required for the Alabama High School Diploma’s Advanced Academic Endorsement. Chemistry provides the basis for students to address consumer, health, safety, environmental, technological, societal, and scientific issues on a daily basis. The goal of this course is to equip students with the knowledge and skills needed to be successful in AP Chemistry. Students will be introduced to complex problems that have multiple correct solutions using an open-ended approach, and will focus on scientific inquiry, mathematical integration, and higher level thinking skills.
		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Fee Required</td> <td style="width: 50%;">GPA: +0.5 For an A, B, C or D</td> </tr> </table>
Fee Required	GPA: +0.5 For an A, B, C or D	
Environmental Science	Biology	Environmental Science is a one-credit course that introduces students to a broad view of the biosphere and the physical parameters that affect it. Students study a variety of topics including energy resources, environmental quality, and human practices and their effect on the environment.
		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Fee: Required</td> <td style="width: 50%;">GPA: Regular</td> </tr> </table>
Fee: Required	GPA: Regular	
Human Anatomy and Physiology	Biology <u>Recommended Co-Requisite</u> Chemistry and a “B” average in previous science classes.	Advanced Human Anatomy & Physiology is a one-credit course that contains content standards related to the structure and function of the components of the human body, including: cells, tissues, organs; the organization of the human body; biochemistry; and the skeletal, muscular, nervous, endocrine, digestive, respiratory, cardiovascular, integumentary, immune, urinary, and reproductive systems.
		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Fee: Required</td> <td style="width: 50%;">GPA: Regular</td> </tr> </table>
Fee: Required	GPA: Regular	

		This course can count for the Health Science Academy.	
		Fee: Required	GPA: Regular
Human Anatomy & Physiology Advanced Level	Biology <u>Recommended Co-Requisite</u> Chemistry and a “B” average in previous science classes.	<i>Human Anatomy & Physiology</i> is a one-credit course that contains content standards related to the structure and function of the components of the human body, including: cells, tissues, organs; the organization of the human body; biochemistry; and the skeletal, muscular, nervous, endocrine, digestive, respiratory, cardiovascular, integumentary, immune, urinary, and reproductive systems. This course differs from the regular course, for a different textbook is used and more laboratory work is required. This course can count for the Health Science Academy. Open to Juniors and Seniors only.	
		Fee: Required	GPA: +0.5 For an A, B, C or D
Physical Science	None	<i>Physical Science</i> is a one-credit inquiry-based course that includes basic concepts and skills in chemistry and physics that are considered foundational in those disciplines. Content focuses on scientific facts, concepts, principles, theories, and models that are important for scientific literacy.	
		Fee: None	GPA: Regular
Forensic Science	None	<i>Forensic Science</i> is a one-credit course that includes studying the scientific process and application skills; crime scene investigation personnel; collection and preservation of evidence; firearms; trajectories; DNA testing; decomposition process; detection of drugs and poisons; blood splatter patterns; forged documents. This course can count for the Health Science Academy.	
		Fee: None	GPA: Regular
Genetics		<i>Genetics</i> is a one-credit course that includes studying scientific process and application skills; genetic principles; molecular and cellular foundations; heredity; mutation; genetic techniques; bioethics; Human Genome Project. This course can count for the Health Science Academy.	
		Fee: None	GPA: Regular
AP Physics		<i>AP Physics</i> is a one-credit College-level, algebra-based, introductory physics course following the curriculum established by the College Board Advanced Placement (AP) Program. It provides a foundation for future course work in physics; explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; introductory, simple circuits; facilitates inquiry-based learning designed to develop scientific critical thinking and reasoning skills.	
		Fee: None	GPA: + 1.0 for an A, B, C, or D

SOCIAL STUDIES

GPA indicates the quality point value of the course.
+0.5 points are added for Advanced

“Regular” means no additional quality point is added.
+1.0 points are added for AP

Course Title	Pre- Requisite	Course Description
United States History I to 1877 Grade 10	None	<p>The study of the history of the United States in Grade 10 is a one-credit course that takes students on a journey across five centuries of social, economic, geographic, and political development in the United States. It begins with the earliest discoveries on the North American continent and follows a chronological study of the major events, issues, movements, leaders, and groups of people of the United States through Reconstruction from a national and an Alabama perspective. The content standards build upon the foundation students gained in the study of the United States in Grades 5 and 6, as well as the study of world history in Grades 8 and 9, but require a more rigorous analysis. Teachers employ various methods of instruction to facilitate students’ inquisitive pursuit of knowledge about the United States. These methods include the use of current technology such as interactive digital video software and Internet sources that allow students to explore historical topics and interpretations more extensively than in the past.</p>
		<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Fee: None</td> <td style="width: 50%; border: none;">GPA: Regular</td> </tr> </table>
Fee: None	GPA: Regular	
AP United States History I Grade 10	<p>“B” average in previous Social Studies courses</p> <p>Students who take this course MUST take AP US History 11.</p> <p>This course is recommended for students who are motivated to attempt a more challenging Social Studies curriculum.</p>	<p>This is the first course in the AP US History sequence. Students who take AP US History 10 will be required to take AP US History 11.</p>
		<p>This early exposure to a challenging yet rewarding program in United States history is designed to develop interest in United States history, improve student academic success, and increase the rate of retention in the AP program. This one-credit course will allow students in the 10th grade an opportunity to develop critical thinking skills, increase knowledge and understanding of United States history and its impact on world events, improve reading, writing and research skills, and better prepare students for 11th grade AP U.S. history.</p> <p>A major goal of this course is to develop historical thinking. Students will be given an opportunity to not only examine, the historical record but to challenge facts and opinions expressed by those who interpret and record history. Students will be required to read and interpret historical narratives, read historical monographs, write papers in response to what they read, and develop informed essays to present their</p>

		findings. Another goal of this course is to help students realize that the study of history rests upon more than dates and a list of names. Summer Reading is Required.
		Fee: None GPA: +1.0 For an A, B, C or D
United States History II from 1877 to the Present Grade 11	None	The study of the history of the United States in Grade 11 continues the journey begun in Grade 10 through the economic, geographic, social, and political development of the United States. Beginning with the post-Reconstruction United States and its shift into a more industrialized society, the course continues through the twentieth century to the present. Students are involved in a chronological study of major events, issues, movements, and leaders of the United States through the present from both a national and an Alabama perspective. Students are actively involved in and are challenged by the level of expectation inherent in the required content of this course.
		Fee: None GPA: Regular

AP United States History II Grade 11	Students must have completed AP US History I in 10 th grade. This is a college level class recommended for highly motivated students who want to attempt a more rigorous history curriculum.	This is the second course in the AP US History sequence. Students who did not complete AP US History I will not be allowed to take this course. Beginning with exploration and continuing towards the shift of the U.S to a more industrialized society, the AP United States history course focuses on an in-depth study of nation-shaping events that chronicle the rise of the U.S. as a world leader through the Twentieth Century to the present. Students are involved in a chronological study of major events, issues, movements, and leaders of the United States. Students are actively involved in and are challenged by the level of expectation inherent in the required content of this course. With more fully developed skills in abstract thinking, students compare, analyze, and explain events and developments rather than simply list or identify them. Requirements: a. Take the AP US History exam in May. b. Pay for the AP exam.
		Fee: None GPA: +1.0 For an A, B, C or D

United States Government Grade 12 Economics Grade 12		<i>United States Government</i> is a ½ credit course required for Grade 12. Its goal is to further foster the development of civic competence and civic participation for all students. Emphasis is placed on intellectual factors that influenced the development of a republic based on the rule of law, freedom of opportunity, individual liberty, and representative democracy. The course also includes a detailed study of the Constitution of the United States and its provisions. Students in the Grade 12 United States Government course engage in analysis of primary sources, including those specific to the founding of the United States, speeches, landmark Supreme Court cases, and relevant political commentaries.
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SOCIAL STUDIES ELECTIVES

AP EUROPEAN HISTORY - *AP European History* is a **one-credit** college-level course designed for high school sophomores of above average ability and dedication. It covers European history from 1450 to 1990. In preparation for the spring Advanced Placement test, the class moves rapidly and involves large amounts of reading and writing. Students are required to go beyond the facts and work on developing their skills in conceptualizing events, manipulating different kinds of historical evidence, recognizing historical continuity and change, and organizing data to support a hypothesis. Writing a 1200-1500 word research paper is a first semester requirement; producing a project (blackboard, media, or performance) is a second semester requirement. In addition, historical novels are required reading for this course. This course prepares students for a component of the International Baccalaureate History of the Americas Exam which is administered in the twelfth grade.

Pre-requisite: 10th-12th grade students
Recommended "B" average in previous social studies course

Requirements:

- a. Take the AP European History exam in May.
- b. Pay for the AP exam.

GPA: +1.0 for an A, B, C or D

PHYSICAL EDUCATION & HEALTH

ALL STUDENTS ARE REQUIRED TO TAKE L.I.F.E. PHYSICAL EDUCATION
AND IT CANNOT BE SUBSTITUTED BY ANY OTHER CLASS.

Only one P. E. course per year may be counted towards AHSAA eligibility.

PHYSICAL EDUCATION/L.I.F.E. – *This course is REQUIRED for all 9th graders.*

Lifelong Individualized Fitness Education is a **one-credit** course that teaches students to apply fitness concepts and assessments in order to create a personal, lifelong plan of physical activity for healthy living. The course is structured to include both cognitive development and physical development. A variety of physical activities, learning labs and student projects are used to reinforce and apply fitness concepts.

This course meets the PE graduation requirement.

Athletics – *Athletics* is a **one-credit** course intended for varsity athletes ONLY, and must be approved by the individual coaches before registering. During each season, preparation for that day's practice is stressed. During the off-season, conditioning is the main emphasis. Any athletic course may be repeated for up to eight units of credit. **These courses DO NOT meet the PE graduation requirement.**

Athletics/Baseball	Girls' Volleyball
Athletics/Basketball	Girls' Basketball
Athletics/Football	Girls' Softball
	Cheerleading

Health – *Health* is a **half-credit** course that provides adolescents with the knowledge, skills, and understanding that will enable them to complete their developmental tasks in ways that are health-enhancing. Topics include mental health, drug use, smoking, alcohol, suicide, safety, diseases and disorders, sexually transmitted diseases, HIV/AIDS, and CPR. This course may be paired with Driver's Education, a P.E. Elective, or Wellness.

**This course is required for graduation and is scheduled during a student's tenth grade year.
Students are responsible for obtaining the workbook.**

PHYSICAL EDUCATION ELECTIVES

Strength Building – *Strength Building* is a **one-credit** course designed to provide students the opportunity to improve muscular development through individually designed programs.

Pre-requisite: Successful completion of *Physical Education*.
A fee is required.

Physical Fitness– *Physical Fitness* is a **one-credit** course that presents a fast-paced, regimented style of exercise that works the body through the use of calisthenics, running, body resistant training and agility drills designed to promote physical fitness and weight control. Emphasis will be placed on discipline and intensity, including core strength as well as cardiovascular endurance. This course *DOES NOT MEET* the graduation requirement.
Intensive physical activity is required!

GENERAL ELECTIVES

Driving and Traffic Safety Education– *Driver’s Education* is a **half-credit** course that provides the student with basic skills and attitudes that will make them safe drivers through class instruction and actual on-the-road driving.

This course is typically scheduled when a student is in the tenth grade and is **NOT** open to ninth grade students.

Fee required.

Student Aide- Non-credit course for students in the 11th and 12th grades only. Students must be approved by administration.

ACT Prep – This course is available to 10th and 11th grade students and is designed to enhance student skills in Math and Language Arts to improve student performance on college entrance exams.

Yearbook – This course is available to students in 10th – 12th grades. Students are responsible for publishing the school yearbook. **Sponsor approval is required.**

Business Technical Applications - 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. This class is required for seniors who will graduate in 2016.

Fine Art – Students who will graduate in 2016 are required to have a fine art to graduate. Seniors who have not completed a fine art will complete a course which is comprised of creation and production; elements and principals of design; two-and three- dimensional techniques and media; art history; art vocabulary; aesthetics; criticism; solution of art problems to communicate ideas; safety issues with handling and storage of materials.

FOREIGN LANGUAGES

Pre-requisite for all foreign languages: The student must have passing grades in English. *In order to be successful in a foreign language, a student must be willing to commit to daily practices/study.*

Spanish I– *Spanish I* is a **one-credit** course that is an introduction to the Spanish language and customs. Students should develop the ability to read material of elementary grammatical and idiomatic difficulty using a basic 2,000 word vocabulary.

Spanish II– *Spanish II* is a **one-credit** course that extends training in composition, oral expression and aural recognition to include all tenses of the indicative and the active and passive voices. Students should develop comprehension and usage at the intermediate level.

Pre-requisite: Spanish I.

French I– *French I* is a **one-credit** course that is an introduction to the French language and customs. The four-fold emphases in the course are speaking, reading, grammar, and culture toward the goal of creating a desire to “think” the language. Basic pronunciation, ear training, and spelling as well as reading units utilizing approximately 2,000 words of vocabulary, idiomatic expressions, and elementary grammar will be introduced.

French II– *French II* is a **one-credit** course that includes comprehension and usage of French at an intermediate level. All tenses of indicative are covered as well as an introduction to an extended training in composition, oral expression, and word recognition by cognates. Students should continue to increase in vocabulary, reading, ear training, and idiomatic usage.

Pre-requisite: French I.

Arts & Communication Academy Electives

Vocal Level I - *Choir* is a **one-credit** course for beginners, made up of all female voices. This course offers beginning voices 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 written for treble voices 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 fee is required if chosen as an elective course & not to meet the graduation requirement.

Vocal Level II – Concert Choir - *Concert Choir* is an advanced **one-credit** course for choral groups made up of both male and female voices. Vocal Level II is designed for students **with at least one year of experience in a vocal music program**. Sight reading abilities are strengthened. Supporting tone with proper breath support, using correct diction, balance and blend are important skills at this level. Students become more keenly aware of the expressive qualities of music, including selections in different languages.

Pre-requisite: Vocal Level I, audition and permission of the director

Requirements: Fall and Spring Concert participation mandatory.

A fee is required if chosen as an elective course & not to meet the graduation requirement.

Vocal Level III - *Level III Vocal Music* is a **one-credit** course which requires students to sing varied repertoire; sight-sing four-part literature; improvise harmonies; perform; analyze, critique; study melodic dictation; learn various elements of music; learn key signatures, history and minor scales.

Pre-Requisite: Vocal Level II, audition and permission of the director

Vocal Level IV – Chamber Choir - *Level IV Vocal Music* 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 II, audition and permission of the instructor.

Requirements: Participation in multiple performances is mandatory.

A fee is required.

Vocal Ensemble - This is a **one-credit** course in which students will learn about Madrigal singers, concert chorale, a cappella choir, and mixed chorus ensembles. Students will be required to participate in multiple performances. Permission from the choral director is required.

Theatre Level I – *Beginning Theatre Arts* is a **one-credit** course that incorporates an introduction to the theatre, basic theatre concepts, beginning acting, and theatre appreciation. A student should complete this course before enrolling in *Advanced Theatre Arts*. The beginning course provides the basic information and experience necessary for successful participation in the other theatre course offerings. Students should have opportunities to observe preparations and performances of educational, community, and professional theatre. **Theatre Level I is the pre-requisite for all other Theatre courses.**

A fee is required if chosen as an elective course & not to meet the graduation requirement.

Theatre Level II– *Advanced Theatre Arts* is a **one-credit** performance course that continues the study of the role of the actor in interpreting dramatic literature and its performance and production styles and techniques. Students study the components of production and apply them through performances in various and selected styles and theatrical modes. **Out-of-class work is required.**

Pre-requisite: Theatre Level I

A fee is required if chosen as an elective course & not to meet the graduation requirement.

Technical Theatre – This is a **one-credit** course designed to teach students about the various parts of Theatre design, including components; functions; scenery design and construction; lighting production and design; costuming; sound; stage management; overview of production process.

Musical Theatre – This is a **one-credit** course which is performance-oriented and gives students the opportunity to learn and study the history of musical Theatre, styles, performance, and technical production with focuses on acting; directing; movement and mime; design; scriptwriting; singing; criticism and aesthetics.

Instrumental Level I & II {Concert Band}– *Concert Band* is a **one-credit** course open to all students in Grades 9-12 who can demonstrate proficiency on woodwind, brass, or percussion instruments. This course is designed to expand students’ knowledge and technical skills in instrumental music. The band also participates at certain athletic and community affairs. **Concert Band is the pre-requisite for other band courses.**

Pre-requisite: Beginning and Intermediate Band at the middle school level.

A fee is required if chosen as an elective course & not to meet the graduation requirement.

Instrumental Level III & IV {Symphonic Band}– *Symphonic Band* is a **one-credit** course open to all students in Grades 9-12 who can demonstrate an advanced skill level of proficiency beyond Instrumental Level III. This course is designed to expand the students’ knowledge and technical skills in instrumental music. The *Symphonic Band* also participates at certain athletic and community affairs.

A fee is required if chosen as an elective course & not to meet the graduation requirement.

Instrumental Music – Marching band auxiliaries.

Jazz Band – Try-out only.

Visual Arts Level I (Art 1) – *Art 1* is a **one-credit** course that studies the basic elements and principles of design, the practical application of design concepts through the use of both two- and three-dimensional art media, the study of design in nature and man-made objects to develop an appreciation of good design, the development of art vocabulary, and the development of creative self-expression. **Visual Art I is the pre-requisite for other Art courses.**

A fee of \$40.00 is required if chosen as an elective course & not to meet the graduation requirement.

Visual Arts Level II (Art 2) – *Art 2* is a **one-credit** advanced art course that teaches technique, with an emphasis on good design. Commercial art, advanced drawing, advanced painting, graphics, sculpture, ceramics, and correlated art history are skills and understanding also offered. This course is recommended for students who have a real interest in perfecting fine arts skills.

Pre-requisite: Visual Art Level I and Teacher Recommendation

A fee of \$40 is required.

Visual Arts Level III (Art 3) – *Art 3* is a **one-credit** advanced art course that teaches students how to create; problem solve; utilize variety of media and techniques; communicate concepts, emotions, intentions; learn about elements and principles of design; technology; independent research; create a self-directed sketchbook; critical analysis; aesthetics; art history; and interdisciplinary connections.

Pre-requisite: Visual Art Level II and Teacher Approval

2-Dimensional Art – This is a **one-credit** art class in which students will be required to create a portfolio production; demonstrate mastery of design in concept, composition, and execution; develop a body of work investigating a visual idea in 2-D design; and learn a variety of concepts and approaches in 2-D design.

3-Dimensional Art – This is a **one-credit** art class in which students will be required to create a portfolio production; demonstrate mastery of design in concept, composition, and execution; develop a body of work investigating a visual idea in 3-D design; and learn a variety of concepts and approach in 3-D design.

Multimedia Design – A **one-credit** course designed for students who are interested in pursuing a career in the areas of Graphic Design, Web Page Design or Desktop Publishing. It provides students with skills involving presentations, desktop publishing, web publishing, and digital graphics. Students use various hardware peripherals as well as the Internet for integrating skills to create a variety of publications. Upon successful completion of the course, students are able to pursue further study in the area of professional interactive multimedia design.

Photography– *Photography* is a **one-credit** course where students will learn the mechanics of a manual 35mm camera. Students will develop their own black and white film with appropriate chemical process and explore printing techniques, manipulations, and montage.

Speech – This is a **one-credit** course in which students will participate in oral readings, review children's literature, deliver, select, and organize speeches, and learn about persuasion, poise and verbal skills.

Debate – *Debate* is a **one-credit** course that provides instruction in the skills of formal argumentation. The student researches and debates the Birmingham Area Debate League and National Forensic League debate resolutions both formally and informally. Students are introduced to oral interpretation through the dramatic presentation of poetry and short stories. *Students must submit an application and be accepted before enrolling in this course.*

A fee is required.

Journalism – This is a **one-credit** course in which students will learn about Newspaper study, newspaper production, news information gathering, proofreading and journalistic writing.

Photo Journalism - Photojournalism is the art of telling the story of the human experience. This particular course will focus on telling the stories of our community through photographs. Students will work as photographers for the school website and develop other forms of media exposure for events and topics at our school. Assignments may consist of photographing sports, activities, news events, and any other subjects chosen by the editorial staffs or advisors. Units of study will include, ethics and history of photography, operation of a cameras, planning photographs in relation to assignments from an editor, illustrating news events with appropriate photos and captions, sequencing photos for publications.

Building Science Academy Electives

Intro to Agriscience – This is a **one-credit** introductory course that provides students with a general overview of the Agriculture, Food, and Natural Resources Cluster and pathways. Introduction to **Agriscience is the prerequisite for the following Building Science Academy electives.**

Construction Site Prep – This is a **one-credit** course designed to facilitate students’ understanding of the first phases of construction including types of structures and their uses.

Construction Framing - A **one-credit** course designed 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.

Residential Wiring - A **one-credit** course designed to provide students with the fundamental knowledge and skills of wiring for the residential area of the construction industry.

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

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

Intro to Masonry - A **one-credit** course designed to provide students with the basic knowledge and skills of masonry. Emphasis is placed on safety, tools, measuring, blueprint reading and layout, and basic block and brick construction techniques.

Business, Marketing, and IT Academy Electives

Career Preparedness - A **one-credit** course that is taught in Grades 9-12. The course prepares students with content knowledge and skills in the areas of career development and academic planning, computer skill application, and financial literacy. Also, this course is designed to meet the required 20-hour online experience. **Career Preparedness is the pre-requisite for all other Business or Marketing electives.**

Personal Finance - A **one-credit** course designed to introduce students to the management of personal and family resources to achieve personal goals and financial literacy. This course can be taken under any of the academies.

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

Marketing Principles - A **one-credit** course designed to provide students with an overview of in-depth marketing concepts. Students develop a foundational knowledge of marketing and its functions, including marketing information management, pricing, product and service management, entrepreneurship, and promotion and selling. Students examine the need for sales and marketing strategies. Students practice customer relationship skills, ethics, technology applications and communicating in the workplace.

Management Principles - A **half-credit** course that provides students with higher-level academic and occupational skills that are transferable across jobs and occupational areas. Emphasis is placed on academic foundations for careers, applied technology, career development and employment, entrepreneurship and business economics, social and ethical responsibility, leadership and teamwork, safety and health, and technical knowledge and skills. Students build on prior knowledge, strengths, interests and needs that enhance preparation for future employment and continuing education and training.

Workforce Essentials - A **one-credit** course that provides students with higher-level academic and occupational skills that are transferable across jobs and occupational areas. Emphasis is placed on career development and employment. This course can be taken under any of the academies.

Cooperative Education - A **one-credit** work-based experience requiring a minimum of 270 continuous and successful hours of employment (average of 15 hours per week) performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator. Students enrolled in work-based experiences are required to participate in Cooperative Education Seminar one class period per week.

IT Fundamentals - A **one-credit** course that introduces students to the knowledge base and technical skills for information technology careers. Students study the nature of business and demonstrate knowledge of the functions of information systems in business. **IT Fundamentals is the pre-requisite for all other IT courses.**

Networking I - A **one-credit** course designed to provide students with skills involving a hands-on, career-oriented approach to learning networking that includes practical experiences. It is recommended that Information Technology Fundamentals be taken prior to this course.

Networking II - A **one-credit** course designed to provide students will skills involving hands-on learning by installing a router, configuring a server, and performing disaster recovery. The pre-requisite for this course is Networking I.

IT Support & Services - A **one-credit** course designed to provide students with knowledge of computer hardware, operating systems, and computer software applications. This course provides students with additional skills necessary to effectively plan, develop, and administer both a local area network (LAN) and a wide area network (WAN).

Software Development - A **one-credit** course designed to provide students with an introduction to the C++ programming language, structured elements of C++, classes, data, abstractions, inheritance, polymorphism, storage management, and a C++ programming environment.

Culinary Arts Academy Electives

Hospitality & Tourism - A **one-credit** foundation course designed to introduce students to the hospitality and tourism industry, the lodging industry, and culinary arts. This course is a pre-requisite for Culinary Arts I, Travel and Tourism I, and Lodging I. **Hospitality & Tourism is the pre-requisite for all other Culinary Arts Academy electives.**

Travel & Tourism - A **one-credit** course focused on the development, research, packaging, promotion, and delivery of a traveler's experiences that may include creating guide books, planning trips and events, managing a customer's travel plans, or overseeing a convention center.

Culinary I - A **one-credit** course designed to introduce students to basic food production, management, and service activities in both the back and-front of the house. Emphasis is placed on sanitation, safety, and basic food production.

Culinary II - A **one-credit** course designed to provide students with advanced experiences in food production, management, and service.

Pre-requisite: Culinary I

Educational Training & Human Services Academy Electives

Education & Training - A **one-credit** foundation course designed for students who are interested in pursuing a career in education. **Education & Training is the pre-requisite for additional Education Training electives.**

Teaching I - A **one-credit** course that aids students in implementing the teaching and learning processes.
Pre-requisite: Education & Training

Family and Consumer Science - This **one-credit**, is designed to assist students in recognizing the roles, responsibilities, and importance of the family. Course content provides opportunities for students to explore family, food, clothing, housing, financial, and consumer needs throughout the life span. Additional concepts include goal setting, etiquette, table setting, marriage readiness, parenting issues, balancing work and family, making decisions as a responsible young adult, assessing effects of technology on the family, and exploring career options related to life. **FACS is the pre-requisite for any other Human Services electives.**

Child Development - A **one-credit** course designed to help students develop skills related to the physical, social, intellectual, and emotional development of children as they explore child development theories and behavior management.

Family Studies & Community Service I - A **one-credit** course designed to provide students with knowledge and skill to provide services to families and older adults in need.

Consumer Services I - A **one-credit** course designed to introduce students to consumer services provided to a client. Concept of roles and functions of individuals engaged in consumer services, advocacy, economic systems, and financial planning and estate planning are included in the course.

Fashion Design - A **one-credit** course that introduces students to the selection and care of clothing and accessories for individuals and families. Content provides opportunities for students to explore factors that influence apparel choice, apparel history, current fashion trends, proper care and maintenance of apparel, laws and legislation regarding the apparel industry, apparel design, apparel repair and construction, wardrobe planning, technology in the apparel and textiles industries, and career options in the apparel and textile industries.

Interior Design - A **one-credit** course designed to introduce students to the historical aspects and contemporary trends in housing and interior design.

Psychology - A **one-credit** course that acquaints students with psychological theories, principles, and practices associated with the five major subfields or domains of this field of study: methods, bio-psychological, developmental, cognitive, and socio-cultural. In addition to addressing these subfields, this course also includes a study of the history of psychological inquiry, methods of scientific research, and topics common to the field of psychology such as human development, sensation and perception, motivation and emotion, states of consciousness, social psychology, cognition, intelligence and assessment, personality theories, stress, and a study of mental disorders and their treatments.

AP Psychology - A **one-credit** college-level course. This course provides an introduction to the systematic and scientific study of the behavior and mental processes of humans and animals; important figures in the development of the field, groundbreaking experiments and the core principles of the subject will also be studied.

This course develops higher-level critical thinking skills by emphasizing analysis and evaluation of concepts in addition to a knowledge of important facts and/or topics perspective are stressed: methodology; cognitive perspective; learning perspective; biological perspective; and humanistic perspective. Emphasis is placed on critical analysis of significant theories, as well as the ethical implications of various seminal studies. Detailed investigation of the possible methods is conducted as evaluated. One of the fundamental concepts of the course is the development of an appreciation of the various ways in which humans learn, interact and grow within their individual cultures and experiences.

Pre-requisite: 11th or 12th grade students ONLY
Recommended “B” average in previous social studies course

Requirements: a. Take the AP Psychology exam in May.
b. Pay for the AP exam.

GPA: +1.0 for an A, B, C or D

Health Science Academy Electives

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

Sports Medicine - A **one-credit** course designed to teach students components of exercise science/sports medicine, including exploration of medical terminology, anatomy and physiology, first aid, injury prevention, nutrition, rehabilitation, and performance enhancement philosophies.

Therapeutic Services - A **one-credit** course designed to inform students of the rapid changes in business and industry through a rigorous array of coursework and work-based experiences that prepare them for advanced learning and a wide range of health career opportunities. Students learn skills for careers in therapeutic services including, but not limited to: nursing, medicine, physical therapy, surgical technology, respiratory therapy, EMT, and others. Clinical opportunities comprise at least 10% of the course.

Pre-requisite: Foundations of Health Science

Nurse Aide Training - A **two-credit** course designed for Grade 12 that enables students to pursue skill mastery in the classroom and laboratory, and participate in intensive job-specific training in the clinical area. The course is also designed to assist students in acquiring the fundamental knowledge and skills in preparation for the National Nurse Aid Assessment to become a Certified Nurse Aide (CNA).

Support Services - A **one-credit** course that introduces students to occupations and functions in the support services pathway including environmental health and safety technicians, epidemiologists, and environmental services managers.

Wellness - A **one-half credit** course designed for students interested in health issues that impact individuals, families, and communities. Students will explore family health throughout the stages of the life-span. This course may be paired with Driver's Education.

Health Science Internship - 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.

Pre-requisite: Complete Foundations of Health and one additional Health Science course

Jeff State Career Tech Dual Enrollment Courses

Requires a 3.0 GPA

All courses are worth 3 semester hours

Orientation to Hospitality Profession – This course is an introduction to the food service industry and employment opportunities. This course focuses on the different types of food service/hospitality outlets. Upon completion of this course, the student will be knowledgeable of business and career opportunities within the food service industry.

Introduction to Criminal Justice - This course surveys the entire criminal justice process from law enforcement to the administration of justice through corrections. It discusses the history and philosophy of the system and introduces various career opportunities.

General Psychology - This course is a survey of behavior with an emphasis on psychological processes. This course includes the biological bases of behavior, thinking, emotion, motivation, and the nature and development of personality.

Lean Manufacturing & Industrial Safety - This course will introduce students to manufacturing fundamentals. It introduces various tools and techniques typically used in Lean manufacturing. It also will provide Occupational Safety and Health Administration (OSHA) certification instruction. OSHA standards will include electrical, Lock Out/ Tag Out, hazardous communications, personal protective equipment, machine guarding, and walking and working surfaces.

Intro to Early Care & Education of Children - This course introduces students to the child education and care profession. It is designed to increase understanding of the basic concepts of child development and the developmental characteristics of children from birth through age 8/9 years. This course is the foundation for planning appropriate activities for children and establishing appropriate expectations of young children. This class also offers an opportunity to study the developmental domains (social, emotional, cognitive/language and physical). Course includes observations of the young child in early childhood settings.

Microcomputer Applications - This course is an introduction to the most common microcomputer software applications. These software packages should include typical features of applications, such as word processing, spreadsheets, database management, and presentation software. Upon completion, students will be able to utilize selected features of these packages.

Keyboarding skills are recommended.

Medical Terminology - This course is designed to familiarize the student with medical terms. Emphasis is on the spelling, definition, pronunciation and usage of medical terms. Upon completion, the student should be able to understand and use medical terminology.