

2017 COURSE DESCRIPTION GUIDE

MISCELLANEOUS						
CRS#	Sem	Cred	Title	Description	Prerequisite	Note
802206ac	2	1	Library Assistant	A one credit class in which student serves as an aide in the library		Teacher approval required
802206ae	2	1	Guidance Assistant	A one credit class in which student serves as an assistant in the Guidance Office		Teacher approval required
802206ab	2	1	Clerical Assistant	A one credit class in which student serves as an assistant in the Freshman Academy Principal's Office		Teacher approval required
802206ag	2	1	Clerical Assistant	A one credit class in which student serves as an assistant in the Main Office		Teacher approval required
802206af	2	0	Art Aide	Provide assistance to art teacher in clean up/set up for art classes. Openings are based on the period/class sizes and require teacher approval		
ENGLISH						
CRS#	SEM	CRED	Title	Description	Prerequisite	Note
200005	2	1	9 English	Reading, writing, listening, speaking, viewing, and presenting skills; vocabulary study; mechanics; grammar and usage; spelling; study skills, Reading and critiquing world literature		An English class is required each year
200009	2	1	10 English	Reading, writing, listening, speaking, viewing, and presenting skills; vocabulary study; mechanics; grammar and usage; spelling; study skills. Major American writers; novels, short stories, dramas, poetry; chronological survey.	9 English	An English class is required each year
200013	2	1	11 English	Reading, writing, listening, speaking, viewing, and presenting skills; vocabulary study; mechanics; grammar and usage; spelling; study skills; Major American writers; novels, short stories, dramas, poetry; chronological survey	10 English	An English class is required each year
200017	2	1	12 English	Reading, writing, listening, speaking, viewing, and presenting skills; vocabulary study; mechanics; grammar and usage; spelling; study skills; Study of Beowulf, Chaucer, Shakespeare, Milton, Keats; survey of British literature; Romantic and Victorian prose and poetry	11 English	An English class is required each year
200007	2	1	Pre-AP English 9	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language		Highest score of the ACT Aspire Periodic reading portion (benchmark to be determined) Level III or IV on the writing screener (prompt determined by teachers and scored by ACS Instructional Coach) 95 average in 8th grade English or 80 average in pre-AP English 8 (must meet 2 of 3)
200011	2	1	Pre-AP English 10	This class is designed for highly motivated, self-directed sophomores with above average abilities in grammar, composition, and reading. In-depth analysis of fiction and non-fiction characterize this class as well as practice in writing essays in a variety of modes, in both timed and non-timed environments. An acceptable research paper is required,		Highest score of the ACT Aspire Periodic reading portion (benchmark to be determined) Level III or IV on the writing screener (prompt determined teachers and scored by ACS Instructional Coach) 95 average in 9th grade English or 80 average in pre-AP English (must meet 2 of 3)

200016	2	1	AP English Lang & Composition	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in becoming skilled writers who compose for a variety of purposes; guides students in becoming skilled readers of prose written in a variety of rhetorical contexts; extensive writing of compositions	Highest score of the ACT Aspire Periodic reading portion (benchmark to be determined) Level III or IV on the writing screener (prompt determined by teachers and scored by ACS Instructional Coach) 95 average in 10th grade English or 80 average in pre-AP English 10 (must meet 2 of 3)
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200020	2	1	AP English Lit & Composition	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in the careful reading and critical analysis of imaginative literature from several genres and periods from the sixteenth to the twenty-first century; extensive writing of compositions.	Highest score of the ACT Aspire Periodic reading portion (benchmark to be determined) Level III or IV on the writing screener (prompt determined by teachers and scored by ACS Instructional Coach) 95 average in 11th grade English or 80 average in AP English Language and Composition (Must meet 2 of 3)
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200019	2	1	Dual Enrollment English	English 101: Instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. May include instruction and practice in library usage. English 102: Instruction and practice in the writing of six (6) formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Instruction in the development of analytical and critical reading skills in the composition process.	11 English English 102 plus a supplemental Literature unit will count as 12 English
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HISTORY

CRS#	Sem	Credit	Title	Description	Prerequisite	Note
230018	2	1	Pre-AP US History 1		Must meet 2 of 3 Must have a "B" average in World History 9 ACT Aspire Reading Periodic Benchmark (highest score); Benchmark is average score plus 10% Must score a 80% or higher on the End of Course Exam	
230016	2	1	United States History I	Chronological survey of major issues: three worlds and their encounters in America; the Colonial Era, creating a nation; expansion, and reform; the Civil War and Reconstruction; the development of the industrial United States; concepts related to Alabama history and geography.		A history class is required each year

230022	2	1	AP US History (to be offered again in Fall 2018)	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for United States history	Must meet 2 of 3 Must have a "B" average in U.S. History I ACT Aspire Reading Periodic Benchmark (highest score); Benchmark is average score plus 10% Must score a 3 or higher on the writing screener (end of course) Students will take the AP US History exam.
230013	2	1	World History 1500 to Present	Chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present	A history class is required each year
	2	1	Pre-AP World History (Grade 9 and 11 for 2017-2018 school year)		Pre-AP World History (9)-Must meet 2 of 3 Must have a "B" average in World History 8 ACT Aspire Reading Periodic Benchmark (highest score); Benchmark is average score plus 10% Must score a 80% or higher on the End of Course Exam Pre-AP World History II (11)-Must meet 2 of 3 Must have a "B" average in AP U.S. History or an "A" average in U.S. History II; ACT Aspire Reading Periodic Benchmark (highest score); Benchmark is average score plus 10% Must score a 80% or higher on the End of Course Exam
230041	1	½	US Government	Representative democracy; federalism; political and civic life; international relations	A history class is required each year

230051	1	1/2	Economics	Basic elements of economics; comparative economic systems; role of the consumer; business and labor issues; functions of government; macroeconomic concepts	A history class is required each year
230047	1	½	AP Government & Politics	AP Government & Politics will give students an analytical perspective on Government & Politics in the United States. This course includes both the study of general concepts used to interpret US politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics.	(12th grade students) Must meet 2 of 3 Must have a "B" average in U.S. History II ACT Aspire Summative (10th) 423 or higher Must score a 80% or higher on the End of Course Exam
230021	2	1	Dual Enrollment US History (Counts as an Elective Credit) Dual Enrollment US History cont	US History 201: Surveys US History during colonial, Revolutionary, early national and antebellum periods. Concludes with the Civil War and Reconstruction US History from the Reconstruction era to the present US History 202: Surveys US History from the Reconstruction era to the Present	United States History to 1877 College credit is awarded for this course. Juniors and Seniors may take this course as an elective credit.

MATHEMATICS						
CRS#	Sem	Credit	Title	Description	Prerequisite	Note
210008	2	1	Algebra IA	First part of a formal study of algebraic concepts and the real number system; approximately one-half the content of Algebra I		
210009	2	1	Algebra IB	Second part of a formal study of algebraic concepts and the real number system; approximately one-half the content of Algebra I	Algebra IA	
210005	2	1	Algebra I	Formal, in-depth study of algebraic concepts and the real number system; algebraic expressions; equations and inequalities; functions; graphing; equations of lines; applying formulas to find perimeter, area, volume, circumference, distance, midpoint, and slope; systems of equations; quadratic, radical, and absolute value equations; basic probability and statistics; problem solving	Pre-Algebra grade of 80 or higher AND Yearly Benchmark score on Periodic ASPIRE (30%)	
210017	2	1	Algebra II with Trigonometry	Integrated course; advanced algebra topics; complex numbers; graphing; theory of equations; polynomials; irrational numbers; problem solving; logarithms; quadratic equations; systems of equations and inequalities; matrices; sequences and series; polynomial, exponential, and logarithmic functions; probability and statistics topics; trigonometry	Min. average of 80 in Algebra I or 90 in Algebra B; Geometry 70 average, yearly Benchmark on ASPIRE Periodic 30% (must meet 2 of 3 prerequisites)	
210036	2	1	Algebra w/ Finance	A college and career preparatory course that integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a high level.	Algebra I	
210034	2	1	Analytical Mathematics	Analytical Mathematics is a course designed for students who have successfully completed the Algebra II With Trigonometry course. It is considered to be parallel in rigor to Precalculus. This course provides a structured introduction to important areas of emphasis in most postsecondary studies that pursue a concentration in mathematics. Linear algebra, logic, vectors, and matrices are topics that are given more in-depth coverage than in previous courses. Application-based problem solving is an integral part of this course. To assist students with numerical and graphical analysis, the use of advanced technological tools is highly recommended.	Algebra II/Trig	Algebra II students with an average of ≤ 70

210010	2	1	Geometry	Study of plane and solid geometry; theorems; construction and modeling; lines; area; perimeter; volume; angle relationships; parallel and perpendicular lines; polygons; right triangles; radical equations; congruence; similarity; symmetry; study of axiomatic systems		
210012	2	1	Pre-AP Geometry	Study of plane and solid geometry; theorems; construction and modeling; lines; area; perimeter; volume; angle relationships; parallel and perpendicular lines; polygons; right triangles; radical equations; congruence; similarity; symmetry; study of axiomatic systems	Pre-Algebra--85 Algebra I-85 *Yearly Benchmark on ACT Aspire Periodic (As the average ACT Aspire score changes yearly, so will the required benchmark score. For the 2016-2017 year, a minimum score of 35% is required to meet eligibility for Pre-AP Geometry.)	

210017aa	2	1	Pre-AP Algebra II/Trigonometry	Algebra II with Trigonometry is a course designed to extend students' knowledge of Algebra I with additional algebraic and trigonometric content. Mastery of the content standards for this course is necessary for student success in higher-level mathematics. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension.	Geometry/ Pre-AP Geometry-80 Algebra I-85 *Yearly Benchmark on ACT Aspire Periodic (As the average ACT Aspire score changes yearly, so will the required benchmark score. For the 2016-2017 year, a minimum score of 35% is required to meet eligibility for Pre-AP Algebra II/ Trigonometry.)	
210020	2	1	Pre AP Pre-Calculus	Course requiring Algebra II with Trigonometry as a prerequisite; advanced math topics including polynomial theory, limits derivatives, maximum and minimum values, logarithmic and exponential functions, rational functions, trigonometric functions; conic sections, complex numbers, matrices, sequences and series, probability and statistics, vectors, polar graphing	Pre- AP Algebra II/trig \geq 70 or Algebra II/trig \geq 75	
210015	2	1	Algebraic Connections	Junior level course providing students with a bridge to courses beyond the level of Algebra I and Geometry; integrated topics from algebra, geometry, measurement, and probability and statistics with an emphasis on real-world applications	Algebra I and Geometry	Students may not go from Algebra II/Trig, DE Math, or Analytical Math to Algebraic Connections
210025	2	1	AP Calculus AB	College level advanced math course following the curriculum established by the College Board Advanced Placement (AP) Program; calculus; analytic geometry; derivatives; integrals; logarithmic functions; transcendental functions. AP Calculus AB consists of work equivalent to a full high school academic year that is comparable to a first-year calculus course in colleges and universities. The course has been authorized by the College Board and meets all requirements established by that organization. It is expected that students who take AP Calculus AB will seek college credit, college placement, or both,	Completion of Algebra II/Trigonometry with a minimum average of 60; Pr-AP-Pre-Calculus with a minimum of 60; ACT Math Subscore of 25 Students are encouraged to take the AP Calculus AB Exam. (must meet 2 of 3 prerequisites)	
210026	2	1	AP Calculus BC	College level advanced math course following the curriculum established by the College Board Advanced Placement (AP) Program for calculus; an extension of AP Calculus AB rather than an enhancement, common topics require a similar depth of understanding.	AP Calculus AB	Students are encouraged to take the AP Calculus BC Exam.
210027	2	1	AP Statistics ONLINE	AP Statistics data is dependent on the use of technology. Students should have access to computers that include software capable of doing data analysis. Students will be required to interpret output generated by statistical software programs.	PreCalculus	

	2	1	Dual Enrollment Math	<p>Math 112 – Precalculus Algebra This course emphasizes the algebra of functions including polynomial, rational, exponential, and logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's Rule, and mathematical induction.</p> <p>Math 113 – Precalculus Trigonometry This course includes the study of trigonometric (circular functions) and inverse trigonometric functions and includes extensive work with trigonometric identities and trigonometric equations. The course also covers vectors, complex numbers, DeMoivre's theorem, and polar coordinates. Additional topics may include conic sections, sequences, and using matrices to solve linear systems.</p>	Algebra II/Trig And appropriate Math placement Score on ACT or COMPASS	

SCIENCE						
CRS#	Sem	Cred	Title	Description	Prerequisite	Note
220011	2	1	Biology	College prep: nature of science; habits and skills of science; biological safety/biohazard; cellular biochemistry; organization, form and function; diversity; hereditary; interdependence; statistical approach; theoretical; problem solving/inquiry-based approach; laboratory course; technology		A science course must be taken each year
220013	2	1	Pre-AP Biology	Covers advanced work in the Biology Core content standards scientific process and application skills, cell processes, cell theory photosynthesis and cellular respiration, genetics, classification; plants; animals; ecology; biogeochemical cycles.	Must meet 2 of the following criteria: Must have completed Algebra I in the 8 th grade or be enrolled in Algebra I in the 9 th grade Must have a "B" average in Pre-AP Life Science (7 th grade), a "B" average in Pre-AP Physical Science (8 th grade) or an "A" average in either 7 th grade or 8 th grade science Must score at proficiency level on the Science portion of one of ACT Aspire Periodic.	
220051	2	1	Physical Science	Conceptual inquiry based course with engineering design integration providing investigation of the basic concepts of chemistry and physics including matter and its interactions, motion and stability, energy, and waves and information technologies		
220063	2	1	Pre-AP Chemistry	This course is intended for the serious student to use as a foundation for more advanced science courses. Topics to be covered include the structure of atoms and molecules, nomenclature, chemical formulas and equations, stoichiometry, properties of gases, acids and bases, solubility equilibria, and oxidation-reduction reactions. Mathematical models are a key component of this course	(Open to students in 10 th or 11 th grade.) Must meet 2 of the following criteria: Must have a "B" average in Algebra I. Must have passed Biology or Pre-AP Biology. Must score at proficiency level on the Science portion of one of the ACT Aspire Periodic.	
220071	2	1	Anatomy & Physiology	This is a course intended for the serious science student. Topics to be covered include structural organization of the human body and study of the various organ systems including but not limited to, the muscular, skeletal, nervous, and circulatory systems. Laboratory dissections, experiments and practicals are an integral part.		A science course must be taken each year Senior level course only.

220081	2	1	Earth & Space Science	Nature of science; habits and skills of science; sun-earth-moon system; atmosphere and weather; surface and internal processes (mountain building, earthquakes, volcanoes) earth-moon system; rocks and minerals; weathering and erosion; atmosphere; oceanography; surface processes; internal processes; resources; laboratory course; inquiry-based approach; technology		A science course must be taken each year Senior level course only
220029	2	1	Environmental Science	Nature of science; habits and skills of science; biogeochemical cycles; biotic and abiotic factors; habitats, ecosystems, and biomes; sources and flow of energy; natural and human impacts; carrying capacity; diversity and adaptation; laboratory course; inquiry; tech.		A science course must be taken each year
410025	2	1	Forensic and Criminal Investigations	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.		

220014	2	1	AP Biology	College-level course following the curriculum established by the College Board Advanced Placement Program for biology; scientific process and application skills; molecules; cells; heredity; evolution; organisms; populations	<p>(Open to students who are entering the 10th, 11th, or 12th grade.) Must meet 2 of the following criteria: Must have a "B" average in Biology or Pre-AP Biology to be taking the course as an 11th or 12th grader. Must have a "C" average in Pre-AP Chemistry or an "A" average in Physical Science to be taking the course as an 11th or 12th grader. Must have an "A" in Pre-AP Biology to take the course as a 10th grader (course will be considered a science elective for 10th grade students) Must score at proficiency level on the Science portion of one of the ACT Aspire Periodic.</p>	
220064	2	1	AP Chemistry	College-level course following the curriculum established by the College Board Advanced Placement Program for chemistry; atomic theory and structure; chemical bonding; nuclear chemistry; gases; liquids and solids; solutions; reaction types; stoichiometry; equilibrium; kinetics; thermodynamics	<p>(Open to students entering the 11th or 12th grade.) Must meet 2 of the following criteria: Must have an "A" average in Physical Science or a "B" average in Pre-AP Chemistry or AP Physics Must have passed Algebra II with Trig or be taking it concurrently May be taken without Pre-AP Chemistry if student had a qualifying score on the AP Biology exam in 10th grade Must score at proficiency level on the Science portion of one of the ACT Aspire Periodic.</p>	
220074	2	1	AP Physics I	College-level course following the curriculum established by the College Board Advanced Placement Program for physics; scientific process and application skills; non-calculus based; mechanics; fluid mechanics and thermal physics; electricity and magnetism; waves and optics; atomic and nuclear physics	<p>(Open to students entering the 11th or 12th grade) Must meet 2 of the following criteria: Must have at least a "B" average in Algebra I Must have passed Algebra II with Trig or be taking it concurrently Must have a "B" average in Pre-AP Biology or a "C" average in AP Biology OR must have an "A" in any general science course</p>	
220028	2	1	Dual Enrollment Anatomy /Physiology	<p>Human Anatomy and Physiology I (Biology 201): This course covers the structure and function of the human body. Included in an orientation of the human body, basic principles of chemistry, a study of cells and tissues, metabolism, joints, the integumentary, skeletal, muscular, and nervous systems, and the senses. Dissection, histological studies, and physiology are featured in the laboratory experience.</p> <p>Human Anatomy and Physiology II (Biology 202): Covers the structure and function of the human body. Included is a study of basic nutrition, basic principles of water, electrolyte, and acid-base balance, and the endocrine, respiratory, digestive, excretory, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience.</p>	Successful Completion of Biology	<p>A science course must be taken each year</p> <p>College Credit is awarded for this course. For Grades 11 or 12</p>

PHYSICAL EDUCATION/HEALTH/DRIVER EDUCATION						
250002	1	½	Health	Basic concepts of wellness and health promotion; accessing health information, products and services; practice application of health decision-making and goal-setting skills		1 semester course required for all students in tenth grade
290001	1	½	Driver Education	Classroom: Safe driving theory; in class study ;driving hazards; boating safety. Practice: Behind the wheel experience; safety practices		1 semester course offered to tenth graders
240002	2	1	L.I.F.E. Girls Phys. Education	Motor skill development; health enhancing physical activity; interactive behavior		One year required for all students or approved exemption
240002	2	1	L.I.F.E. Boys Phys. Education	Motor skill development; health enhancing physical activity; interactive behavior		One year required for all students or approved exemption
240002	2	1	Girls Team Conditioning	Team conditioning for girls team sports		Teacher approval required for this course
240002	2	1	Cheerleading Team Conditioning	Team conditioning for Cheerleaders		Teacher approval required for this course
240002	2	1	(V) Football Team Conditioning	Team conditioning for varsity and junior varsity football		Teacher approval required for this course
240002	2	1	Basketball Team Conditioning	Team conditioning for varsity and junior varsity basketball		Teacher approval required for this course
240002	2	1	Baseball Team Conditioning	Team Conditioning for baseball		Teacher approval required for this course
240003	2	1	Multi-sport Football, Baseball Basketball, Soccer	Physical Education Elective for two sport athlete		Teacher approval required for this course

FOREIGN LANGUAGE						
CRS#	Sem	Cred	Title	Description	Prerequisite	Note
270153	2	1	Spanish I	Development of communicative skills (vocabulary and grammar acquisition): listening, speaking, reading and writing ; culture study		
270154	2	1	Spanish II	Development of communicative skills (vocabulary and grammar acquisition): listening, speaking, reading and writing ; culture study	Spanish I or Dual Enrollment Spanish 101	
270023	2	1	French I	Development of communicative skills (vocabulary and grammar acquisition): listening, speaking, reading and writing ; culture study		
270024	2	1	French II	Development of communicative skills (vocabulary and grammar acquisition): listening, speaking, reading and writing ; culture study	French I	
	2	1	Dual Enrollment Spanish	Introductory Spanish I (SPA 101): Development of basic communication skills and acquisition of basic knowledge of the cultures of Spanish-speaking areas Introductory Spanish II (SPA 102): Includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas		College credit is awarded for this course.
FOREIGN LANGUAGE ONLINE						
270111	2	1	Latin I ONLINE	first-year classical language course, which provides an introduction to the Latin language and culture. Latin I illustrates the influence of the Roman cultures on the cultures of the western world throughout history. Basic pronunciation, spelling, and translation are included in the course; emphasis is placed on reading, grammar, and culture.	For grades 10, 11, and 12 Distance Learning (ACCESS) students must complete applications and conference with parent is required.	

257011 2	2	1	Latin II ONLINE	second-year classical language course, which includes a review of the skills previously studied, often accomplished by using Roman Literature, Roman History, Roman Mythology and a study of <i>Caesar's Commentaries</i> .	Successful completion of Latin I For grades 11, and 12 Distance Learning (ACCESS) students must complete applications and conference with parent is required.
270043	2	1	German I ONLINE	Development of communicative skills (vocabulary and grammar acquisition): listening, speaking, reading and writing ; culture study	For grades 10, 11, and 12 Distance Learning (ACCESS) students must complete applications and conference with parent is required.
270044	2	1	German II ONLINE	Development of communicative skills (vocabulary and grammar acquisition): listening, speaking, reading and writing ; culture study	Successful completion of German I For grades 11, and 12 Distance Learning (ACCESS) students must complete applications and conference with parent is required.
270003	2	1	Chinese ONLINE	Development of communicative skills (vocabulary and grammar acquisition): listening, speaking, reading and writing ; culture study	For grades 10, 11, and 12 Distance Learning (ACCESS) students must complete applications and conference with parent is required.

CAREER & TECHNICAL						
Hospitality & Tourism						
CRS#	Sem	Cred	Title	Description	Prerequisite	Note
500011	2	1	Hospitality and Tourism	Major course topics include introduction to hospitality and tourism, recreation, travel and tourism, lodging, restaurants and food and beverage services, safety and sanitation, customer relations, and quality services. The required school-based laboratory for the Hospitality and Tourism cluster is a commercial food service kitchen with a food serving and dining area.		The is the foundation course for Culinary Arts
500015	2	1	Event Planning	A one-credit course where students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner.	Hospitality and Tourism is the prerequisite	
500012	1	1	Culinary I	A one-credit course designed to introduce student 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.	Hospitality and Tourism	
500013	1	1	Culinary II	A one-credit course designed to provide students with advanced experiences in food production, management, and service.	Culinary I	
400023	1	1	Senior Project	A one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.		
802106aa	2		Culinary Arts Tech	Student will assist Teacher in the Lab		Teacher approval required

AGRISCIENCE						
CRS#	Sem	Cred	Title	Description	Prerequisite	Note
420009	2	1	Agriscience	Provides students with a general overview of the Agriculture, Food and Natural Resources Cluster, which contains five pathways: Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems. Topics included in this course include career opportunities, safety, technology applications, agribusiness leadership, environmental science, soil science, plant science, forestry, animal science, aquaculture, wildfire science, pest management, woodworking, metalworking, small engines, electrical wiring, and plumbing.		9 th Grade Foundation Course
410007	2	1	Construction Framing	A one-credit course designed to facilitate student understanding of construction as it relates to agriculture. Students become familiar with the framing components of a structure. Topics include career opportunities, roof framing, and roof materials in various materials.		
410008	2	1	Construction Finishing	A one-credit course designed to provide instruction on the exterior and interior finishing phases of a structure.		
420012	2	1	Intro to Metal Fabrication	A specialized course which offers units of instruction and/or hands-on activities in the areas of careers, safety, technological advancements, employability skills, computer applications, agricultural issues, leadership development. Topics include metal preparation and finishing, metal cutting, weld quality, and shielded metal arc welding (SMAW).		
420014	2	1	Intro to MIG Welding	Introduction to Metal Inert Gas and Flux Cored Arc Welding - A one-credit course that provides students with opportunities to examine safety and technical information in metal fabrication, and opportunities to participate in hands-on activities in the laboratory. Emphasis is placed on planning metal structures, identification and selection, and weld quality.	Introduction to Metal Fabrication	
420021	1	½ Credit	Animal Science	Course provides opportunities for students to become knowledgeable of the principles and practices of animal genetics and biotechnology as related to agricultural products and services. Emphasis is placed on the impact of animal biotechnology, and applied genetics and breeding.		
420020	1	½ Credit	Forestry	Course designed to enable students to become knowledgeable of forestry and wood technology. Emphasis is placed on dendrology, tree measurement, mapping, silviculture, and forest products.		
420051	2	1	Horticultural Science	Topics in Horticultural Science include career opportunities, safety, plant physiology, growing media, greenhouse facilities, greenhouse and nursery crop production, plant identification and classification, pest management, hydroponics and vegetable gardening, and technological applications.		
420057	1	1	Residential Landscape Establishment and Maintenance	Topics include career opportunities, safety, plant nutrition, pest management, plant identification, residential landscape design and maintenance, tool and equipment maintenance, residential landscape business management, and technology.		

420025	1	½ Credit	Fish & Wildlife Management	Course provides students with the opportunity to gain knowledge regarding the management of natural resources. Topics include career opportunities, outdoor safety, history, issues, classification, fish and wildlife ecology, fish and wildlife management, endangered species, fish and wildlife pest management, and forest protection.		
240024	2	1	Fish & Wildlife Management	A one-credit course that provides students with the opportunity to become knowledgeable of natural resources including fish and wildlife ecology, endangered species, and pest management.		
420022	2	1	Urban Forestry	Course designed to enable students to acquire forestry knowledge and skills for an urban setting. Topics include career opportunities, safety, climbing and rigging, urban tree management, and tree disorders.		
410003	2	1	Introduction to Veterinary Science	Course designed to provide students with an introduction to the veterinary science profession. Topics include career opportunities, safety, humane treatment, laws and regulations, anatomy and physiology, animal health, and veterinary services.	2.75 GPA	
410004	2	1	Veterinary Science	A one-credit course designed to prepare students for entry-level employment or advanced training in the veterinary assisting industry. Emphasis is placed on reproduction, genetics, hormones, growth disorders, animal anesthesiology, basic surgery procedures, health management, business management, and technology.	Introduction to Veterinary Science	
420077	2	1	Senior Career Pathway Project: Agriculture	Senior Career Pathway Project (SCPP) is a capstone course designed for career and technical education students. It provides an opportunity for a student to choose an area of interest and engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent-learning skills.	Teacher approval required.	

BUSINESS TECHNOLOGY EDUCATION

CRS#	Sem	Cred	Title	Description	Prerequisite	Note
400025	2	1	Career Preparedness	A one-credit course that is taught in Grade 9. 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.		This course is a diploma requirement in the 9 th grade beginning in 2013-14
410016	2	1	Multimedia Design	Designed to provide students with hands-on skills involving graphic design, digital photography, web publishing and digital video production. Students use various hardware peripherals and software for completing documents.	No prerequisites	
410017	2	1	Multimedia Publications	Course designed to provide students with the ability to utilize digital photography equipment and multimedia digital imaging software, produce interactive media projects, and develop publication layouts. Students use various hardware peripherals as well as the Internet for integrating skills to create a variety of publications.	No prerequisites	
550013	2	1	Sports and Entertainment	Sports and Entertainment Marketing is a one credit specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Sports Marketing addresses such diverse		

			Marketing Fundamentals	products as the sporting event itself, its athletes, sports facilities or locations, sporting goods, personal training, and sports information. Entertainment marketing includes events such as fairs, concerts, trade shows, festivals, plays, product launches, and causes. Students will develop skills in the areas of merchandising, advertising, public relations/ publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports an entertainment industry. Students will foster a realistic understanding of the business environment in which marketing activities are performed and develop an understanding and appreciation of business ethics. Technology, employability skills, leadership and communications will be incorporated in classroom activities.
550014	2	1	Buying and Merchandising	Buying and Merchandising is a one-credit course which focuses on the development of decision-making skills necessary to determine what to buy, when to buy, how much to buy, and from whom to buy products for resale. Students will develop a product mix and apply display and visual merchandising techniques. Students will also implement sales support activities, process sales, track products, and plan merchandise flow. Students will establish and grow positive customer relationships. Prerequisite of any one Business and Marketing Education class.

450021	2	1	Business Finance	Designed to provide students with an overview of the principles of personal and corporate finance. The curriculum focuses on major areas of study, including economics, marketing, accounting procedures and the global financial market. An integral component of the curriculum is the decision making skills that enable students to become more fiscally responsible.		
450031	2	1	Advanced Business Technology Applications	Designed to further strengthen concepts and information learned in Business Technology Applications. Focus will be on word processing, spreadsheets, presentations, internet usage and ethics with the intent to apply to real life situations.		
450032	2	1	Aggie Vision-Film	Students will film school related events, sporting events, and will act as stage crew for the Fine Arts Center. Students must have reliable transportation since most events are after school hours. Application process and teacher approval is required		Teacher List Class
450032	2	1	Aggie Vision Photography	Students will photograph school related and sporting events. Students must have reliable transportation since most events are after school hours. Application process and teacher approval is required.		Teacher List Class
450032	2	1	Aggie Vision Publications	Students will publish the school magazine and write articles for the local newspaper. Application process and teacher approval is required.		Teacher List Class
4000314	2	4	Co-op Ed. Sem.	Coop. Ed. Seminar lasting four periods per day		
4000313	2	3	Co-op Ed. Sem.	Coop. Ed. Seminar lasting three periods per day		
4000312	2	2	Co-op Ed. Sem.	Co-op Ed. Seminar lasting two periods per day		
400031	2	1	Co-op Ed. Sem.	Co-op Ed. Seminar lasting one period per day		

HEALTHCARE

CRS#	Sem	Cred	Title	Description	Prerequisite	Note
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490007	2	1	Foundations of Health Science	This course introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is the prerequisite for all the health science courses.		Recommended for 9 th or 10 th Graders
490015	2	1	Human Body Structures/ Functions	The course is designed to help students develop a basic knowledge of the normal structure and function of the human body. The course uses an integrated approach for teaching medical terminology to the health care student by incorporating medical terminology into instruction regarding human body structures and functions and the disease process.		

490022	2	1	Intro to Pharmacy	This course introduces students to the pharmaceutical profession. The course covers content related to the history of medicine, mathematics, technology, legal issues, and technical skills.		
490014	2	2	Health Science Internship	This course includes a variety of knowledge and skills necessary for becoming a health care worker or for preparing students for postsecondary health care education programs. It is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facilities. The prerequisite for this course is Foundations of Health Services.		Seniors Only

SPORTS MEDICINE

CRS#	Sem	Cred	Title	Description	Prerequisite	Note
490025	1	1	Sports Medicine Intermediate	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	Foundations of Health Science	
490026	1	1	Sports Medicine Advanced	One-credit course that teaches fundamental skills to include therapeutic exercise regimens within the field of sports medicine. Students will explore the study of sports medicine and the relationship to risk management and injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The facilities, policies, procedures, and protocols utilized in patient care. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom interaction while helping students develop leadership abilities, expand workplace readiness skills, and broaden opportunities for personal and professional growth.	Sports Medicine	

FINE ARTS

CRS#	Sem	Cred	Title	Description	Prerequisite	Note
802106	2		Choral Assistant	Assist choral director at middle school		Approval by teacher required
280051aa	2	1	Girls Choir	Pitch matching; intonation, tone, quality; rhythm; sight reading; practice for special music production		Approval by teacher required
280051	2	1	CenterStage	Intense vocal training; movement and dance technique; frequent competitions spring semester; audition required		Approval by teacher required
280051ab	2	1	VocalEase	Intense vocal training; movement and dance technique; frequent competitions spring semester; audition required		Approval by teacher required

280051ad	2	1	CenSations	Intense vocal training; movement and dance technique; frequent competitions spring semester; audition required		Approval by teacher required
802108aa	2	1	Choir Stage Crew	Assist choral director at high school with stage productions	Approval by teacher required Will NOT meet the Fine Art requirement.	
280031af	2	1	Brass Quintet	Tone production, tone quality; group playing		Approval by teacher required
280031ad	2	1	Jazz Band	Dixieland, small-band jazz, swing, bebop, free jazz, and fusion, among other styles; performances		Approval by teacher required
280031	2	1	Symphonic Band	Experienced players; tone production; sight reading; ear training; intonation and technical facility; performances		Approval by teacher required
280031ae	2	1	Percussion	This class is a performance based percussion technique class that is open to percussionists of the High School band. Enrollment is by audition with the high school band directors. The purpose of the class is to prepare for performance with the Aggie Marching and Concert Bands.		Approval by teacher required
280031ab	2	1	Wind Ensemble	Experienced players; tone production; sight reading; ear training; intonation and technical facility; performances		Approval by teacher required
280093	1 or 2	½ credit	Intro to visual Art	Focus on production utilizing a variety of media, genre, and tech.; including pencil, acrylic, watercolors, wood burning, pastels, etc. Art History will be incorporated as it relates to each project		
280094	2	1	Visual Art II	Create; visual relationships; problem solve using a variety of media and techniques; elements and principles of design; aesthetics; criticism; art history; art vocabulary; evaluation of artwork; interdisciplinary connections	PREREQUISITE: VISUAL ARTS LEVEL I OR APPROVAL OF THE INSTRUCTOR. Application required	
280095	2	1	Visual Art III	Create; problem solve; utilize variety of media and techniques; communicate concepts, emotions, intentions; elements and principles of design; technology; independent research; self-directed sketchbook; critical analysis; aesthetics; art history; interdisciplinary connections	PREREQUISITE: VISUAL ARTS LEVEL II OR APPROVAL OF THE INSTRUCTOR. Application required	
280107	2	1	Visual Art Portfolio Prep.	PREREQUISITE: INTRO TO VISUAL ART AND VISUAL ART II, ENROLLMENT IN VISUAL ART II, APPROVAL OF THE INSTRUCTOR This is an advanced independent study course for students to create artwork for applying to art school or for art scholarships. Students must be motivated to work independently and capable of researching their own ideas for projects.	Production of a well-rounded portfolio by the end of the course is required. Assignments in the class will require students to “Produce, Respond, and Understand” as stated in the Alabama Course of Study. 12 th Grade Students	

Additional Elec						
802200h	2	1	Current Events	Current events of local, state, national, and international interest; media information analysis, political coverage, and techniques; analysis of current events from geographical, historical, political, social, and cultural perspectives.		
230071	1	½	Psychology	History of psychological inquiry; methods of scientific research; human development; sensation and perception; motivation and emotion; states of consciousness; social psychology, cognition; intelligence and assessment; personality theories; stress; mental disorders and treatments		
230081	1	½	Sociology	Culture and society; social inequalities; social institutions; social change		

