

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100001	Reading, Grade PK	NOTE: FOR TEACHING READING TO STUDENTS WITH DISABILITIES IN GRADES P-6, SEE THE SPECIAL EDUCATION COURSES SECTION. Listening, vocabulary, speaking, writing, uses of print, and characteristics of written language	PK	PK
2019-2020	100002	Reading, Grade K	NOTE: FOR TEACHING READING TO STUDENTS WITH DISABILITIES IN GRADES P-6, SEE THE SPECIAL EDUCATION COURSES SECTION. Reading literature, reading informational text, foundational reading skills; skills acquisition, reading techniques, beginning reading to expanding reading power	0K	0K
2019-2020	100003	Reading, Grade 1	NOTE: FOR TEACHING READING TO STUDENTS WITH DISABILITIES IN GRADES P-6, SEE THE SPECIAL EDUCATION COURSES SECTION. Reading literature, reading informational text, foundational reading skills; skills acquisition, reading techniques, beginning reading to expanding reading power	01	01
2019-2020	100004	Reading, Grade 2	NOTE: FOR TEACHING READING TO STUDENTS WITH DISABILITIES IN GRADES P-6, SEE THE SPECIAL EDUCATION COURSES SECTION. Reading literature, reading informational text, foundational reading skills; skills acquisition, reading techniques, beginning reading to expanding reading power	02	02
2019-2020	100005	Reading, Grade 3	NOTE: FOR TEACHING READING TO STUDENTS WITH DISABILITIES IN GRADES P-6, SEE THE SPECIAL EDUCATION COURSES SECTION. Reading literature, reading informational text, foundational reading skills; skills acquisition, reading techniques, beginning reading to expanding reading power.	03	03
2019-2020	100006	Reading, Grade 4	NOTE: FOR TEACHING READING TO STUDENTS WITH DISABILITIES IN GRADES P-6, SEE THE SPECIAL EDUCATION COURSES SECTION. Reading literature, reading informational text, foundational reading skills; skills acquisition, reading techniques, beginning reading to expanding reading power	04	04
2019-2020	100007	Reading, Grade 5	NOTE: FOR TEACHING READING TO STUDENTS WITH DISABILITIES IN GRADES P-6, SEE THE SPECIAL EDUCATION COURSES SECTION. Reading literature, reading informational text, foundational reading skills; skills acquisition, reading techniques, beginning reading to expanding reading power	05	05
2019-2020	100008	Reading, Grade 6	NOTE: FOR TEACHING READING TO STUDENTS WITH DISABILITIES IN GRADES P-6, SEE THE SPECIAL EDUCATION COURSES SECTION. Reading literature, reading informational text; skills acquisition, reading techniques, beginning reading to expanding reading power	06	06
2019-2020	100009	Reading Intervention, Grades PK-6	Remedial work in reading	PK	06
2019-2020	100010	Honors/Advanced Reading PK-6	Advanced work in skills acquisition, reading techniques, beginning reading to expanding reading power	PK	06
2019-2020	100012	Mathematics, Grade K	Students will know number names and the count sequence; count to tell the number of objects; compare numbers; understand addition as putting together and adding to, and understand subtraction as taking apart and taking from; work with numbers 11-19 to gain foundations for place value; describe and compare measurable attributes; classify objects and count the number of objects in categories; identify and describe shapes; and analyze, compare, create, and compose shapes.	0K	0K

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100013	Mathematics, Grade 1	Students will represent and solve problems involving addition and subtraction; understand and apply properties of operations and the relationship between addition and subtraction; add and subtract within 20; work with addition and subtraction equations; extend the counting sequence; understand place value; use place value understanding and properties of operations to add and subtract; measure lengths indirectly and by iterating length units; tell and write time; represent and interpret data; and reason with shapes and their attributes.	01	01
2019-2020	100014	Mathematics, Grade 2	Students will represent and solve problems involving addition and subtraction; add and subtract within 20; work with equal groups of objects to gain foundations for multiplication; understand place value; use place value understanding and properties of operations to add and subtract; measure and estimate lengths in standard units; relate addition and subtraction to length; work with time and money; represent and interpret data; and reason with shapes and their attributes.	02	02
2019-2020	100015	Mathematics, Grade 3	Students will represent and solve problems involving multiplication and division; understand properties of multiplication and the relationship between multiplication and division; multiply and divide within 100; solve problems involving the four operations, and identify and explain patterns in arithmetic; use place value understanding and properties of operations to perform multi-digit arithmetic; develop understanding of fractions as numbers; solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects; represent and interpret data; geometric measurement: understand concepts of area and relate area to multiplication and to addition; geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures; and reason with shapes and their attributes.	03	03
2019-2020	100016	Mathematics, Grade 4	Students will use the four operations with whole numbers to solve problems; gain familiarity with factors and multiples; generate and analyze patterns; generalize place value understanding for multi-digit whole numbers; use place value understanding and properties of operations to perform multi-digit arithmetic; extend understanding of fraction equivalence and ordering; build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers; understand decimal notation for fraction, and compare decimal fractions; solve problems involving measurement and conversion of measurement from a larger unit to a smaller one; represent and interpret data; geometric measurement: understand concepts of angle and measure angles; draw and identify lines and angles, and classify shapes by properties of their lines and angles.	04	04
2019-2020	100017	Mathematics, Grade 5	Students will write and interpret numerical expressions; analyze patterns and relationships; understand the place value system; perform operations with multi-digit whole numbers and with decimals to hundredths; use equivalent fractions as a strategy to add and subtract fractions; apply and extend previous understandings of multiplication and division to multiply and divide fractions; convert like measurement units within a given measurement system; represent and interpret data; geometric measurement: understand concepts of volume and relate volume to multiplication and to addition; graph points on the coordinate plane to solve real-world and mathematical problems; and classify two-dimensional figures into categories based on their properties.	05	05

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100018	Mathematics, Grade 6	Students will understand ratio concepts and use ratio reasoning to solve problems; apply and extend previous understanding of multiplication and division to divide fractions by fractions; compute fluently with multi-digit numbers and find common factors and multiples; apply and extend previous understanding of numbers to the system of rational numbers; apply and extend previous understanding of arithmetic to algebraic expressions; reason about and solve one-variable equations and inequalities; represent and analyze quantitative relationships between dependent and independent variables; solve real-world and mathematical problems involving area, surface area, and volume; develop understanding of statistical variability; and summarize and describe distribution.	06	06
2019-2020	100019	Mathematics Intervention, Grades PK-6	Remedial work in mathematics.	PK	06
2019-2020	100020	Honors/Advanced Mathematics PK-6	Advanced work in mathematical computation, problem-solving skills, and other mathematical concepts	PK	06
2019-2020	100022	English Language Arts, Grade K	Reading literature, reading informational text, foundations of reading, writing, speaking and listening, and language; capitalization, punctuation, spelling, handwriting, and vocabulary	0K	0K
2019-2020	100023	English Language Arts, Grade 1	Reading literature, reading informational text, foundations of reading, writing, speaking and listening, and language; capitalization, punctuation, spelling, handwriting, and vocabulary	01	01
2019-2020	100024	English Language Arts, Grade 2	Reading literature, reading informational text, foundations of reading, writing, speaking and listening, and language; capitalization, punctuation, spelling, handwriting, and vocabulary	02	02
2019-2020	100025	English Language Arts, Grade 3	Reading literature, reading informational text, foundations of reading, writing, speaking and listening, and language; capitalization, punctuation, spelling, handwriting, and vocabulary	03	03
2019-2020	100026	English Language Arts, Grade 4	Reading literature, reading informational text, foundations of reading, writing, speaking and listening, and language; capitalization, punctuation, spelling, and vocabulary	04	04
2019-2020	100027	English Language Arts, Grade 5	Reading literature, reading informational text, foundations of reading, writing, speaking and listening, and language; capitalization, punctuation, spelling, and vocabulary	05	05
2019-2020	100028	English Language Arts, Grade 6	Reading literature, reading informational text, writing, speaking and listening, and language; capitalization, punctuation, spelling, and vocabulary	06	06
2019-2020	100029	English Language Arts Intervention, Grades PK-6	Remedial work English language arts	PK	06
2019-2020	100030	Honors/Advanced English Language Arts, Grades PK-6	Advanced work with grade-level standards	PK	06
2019-2020	100032	Science, Grade K	Integration of science and engineering practices and crosscutting concepts into the disciplinary core ideas of life, physical, and earth sciences.	0K	0K
2019-2020	100033	Science, Grade 1	Integration of science and engineering practices and crosscutting concepts into the disciplinary core ideas of life, physical, and earth sciences.	01	01
2019-2020	100034	Science, Grade 2	Integration of science and engineering practices and crosscutting concepts into the disciplinary core ideas of life, physical, and earth sciences.	02	02
2019-2020	100035	Science, Grade 3	Integration of science and engineering practices and crosscutting concepts into the disciplinary core ideas of life, physical, and earth sciences.	03	03

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100036	Science, Grade 4	Integration of science and engineering practices and crosscutting concepts into the disciplinary core ideas of life, physical, and earth sciences.	04	04
2019-2020	100037	Science, Grade 5	Integration of science and engineering practices and crosscutting concepts into the disciplinary core ideas of life, physical, and earth sciences.	05	05
2019-2020	100038	Science, Grade 6	Earth Science concentration on the universe and its grand scale in both time and space, processes that drive Earth's conditions and its continual change over time, society's interactions with the planet with integration of science and engineering practices.	06	06
2019-2020	100039	Science Intervention, Grades PK-6	NOTE: THIS COURSE MAY NOT SUBSTITUTE FOR REQUIRED SCIENCE STANDARDS. Remediation in the disciplinary core ideas of life, physical, and earth sciences including integration of science and engineering practices and crosscutting concepts.	PK	06
2019-2020	100040	Honors/Advanced Science, Grades PK-6	Advanced work in scientific processes, knowledge, and application; scientific principles, observation, and experimentation in life, physical and earth sciences.	PK	06
2019-2020	100042	Social Studies Grade K	Learning to live together in the world beyond a family and community	0K	0K
2019-2020	100043	Social Studies Grade 1	Gaining a deeper sense of role of citizenry in democratic society; developing awareness of basic rights and responsibilities as citizens in the community and state	01	01
2019-2020	100044	Social Studies Grade 2	Introduction to major historical events, figures, and symbols related to American democracy; studying various cultures, places, and environments	02	02
2019-2020	100045	Social Studies Grade 3	Geographical and historical studies of people, places, and regions; study of various cultures, places, and environments	03	03
2019-2020	100046	Social Studies Grade 4	Relate geography to history, economics, and politics of Alabama beginning with early American Indians in Alabama and continuing to the present	04	04
2019-2020	100047	Social Studies Grade 5	United States History from the beginnings to the Industrial Revolution	05	05
2019-2020	100048	Social Studies Grade 6	United States History from the Industrial Revolution to the Present	06	06
2019-2020	100049	Social Studies Intervention, Grades PK-6	Remedial work below grade level in Social Studies	PK	06
2019-2020	100050	Honors/Advanced Social Studies, Grades PK-6	Advanced work in the social sciences such as history, economics, geography, government, and civics	PK	06
2019-2020	100052	Physical Education, Grade K	Acquisition of fundamental motor skills integrated with a variety of movement concepts taught by a certified physical education specialist	0K	0K
2019-2020	100053	Physical Education, Grade 1	Acquisition of fundamental motor skills integrated with a variety of movement concepts taught by a certified physical education specialist	01	01
2019-2020	100054	Physical Education, Grade 2	Acquisition of fundamental motor skills integrated with a variety of movement concepts taught by a certified physical education specialist	02	02
2019-2020	100055	Physical Education, Grade 3	Acquisition of fundamental motor skills integrated with a variety of movement concepts taught by a certified physical education specialist	03	03
2019-2020	100056	Physical Education, Grade 4	Refinement of fundamental motor skills integrated with a variety of movement concepts taught by a certified physical education specialist	04	04

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100057	Physical Education, Grade 5	Refinement of fundamental motor skills integrated with a variety of movement concepts taught by a certified physical education specialist	05	05
2019-2020	100058	Physical Education, Grade 6	Refinement of fundamental motor skills integrated with a variety of movement concepts taught by a certified physical education specialist	06	06
2019-2020	100061	Health Education, Grade PK	Children will acquire knowledge of healthy personal care routines.	PK	PK
2019-2020	100062	Health Education, Grade K	Development of positive health practices, awareness of health risks, comprehension of major influences on health taught by a general classroom teacher	0K	0K
2019-2020	100063	Health Education, Grade 1	Development of positive health practices, awareness of health risks, comprehension of major influences on health taught by a general classroom teacher	01	01
2019-2020	100064	Health Education, Grade 2	Development of positive health practices, awareness of health risks, comprehension of major influences on health taught by a general classroom teacher	02	02
2019-2020	100065	Health Education, Grade 3	Development of positive health practices, awareness of health risks, comprehension of major influences on health taught by a general classroom teacher	03	03
2019-2020	100066	Health Education, Grade 4	Development of positive health practices, awareness of health risks, comprehension of major influences on health taught by a general classroom teacher	04	04
2019-2020	100067	Health Education, Grade 5	Development of positive health practices, awareness of health risks, comprehension of major influences on health taught by a general classroom teacher	05	05
2019-2020	100068	Health Education, Grade 6	Development of positive health practices, awareness of health risks, comprehension of major influences on health taught by a general classroom teacher	06	06
2019-2020	100072	Technology Education, Grade K	Basic concepts and operations; technology problem-solving and decision-making tools; technology research tools; social, ethical and human issues; technology communications tools; technology productivity tools	0K	0K
2019-2020	100073	Technology Education, Grade 1	Basic concepts and operations; technology problem-solving and decision-making tools; technology research tools; social, ethical and human issues; technology communications tools; technology productivity tools	01	01
2019-2020	100074	Technology Education, Grade 2	Basic concepts and operations; technology problem-solving and decision-making tools; technology research tools; social, ethical and human issues; technology communications tools; technology productivity tools	02	02
2019-2020	100075	Technology Education, Grade 3	Basic concepts and operations; technology problem-solving and decision-making tools; technology research tools; social, ethical and human issues; technology communications tools; technology productivity tools	03	03
2019-2020	100076	Technology Education, Grade 4	Basic concepts and operations; technology problem-solving and decision-making tools; technology research tools; social, ethical and human issues; technology communications tools; technology productivity tools	04	04
2019-2020	100077	Technology Education, Grade 5	Basic concepts and operations; technology problem-solving and decision-making tools; technology research tools; social, ethical and human issues; technology communications tools; technology productivity tools	05	05
2019-2020	100078	Technology Education, Grade 6	Basic concepts and operations; technology problem-solving and decision-making tools; technology research tools; social, ethical and human issues; technology communications tools; technology productivity tools	06	06
2019-2020	100082	Visual Arts, Grade K	Through creating, producing, and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a certified visual arts teacher.	0K	0K

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100083	Visual Arts, Grade 1	Through creating, producing, and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a certified visual arts teacher.	01	01
2019-2020	100084	Visual Arts, Grade 2	Through creating, producing, and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a certified visual arts teacher.	02	02
2019-2020	100085	Visual Arts, Grade 3	Through creating, producing, and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a certified visual arts teacher.	03	03
2019-2020	100086	Visual Arts, Grade 4	Through creating, producing, and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a certified visual arts teacher.	04	04
2019-2020	100087	Visual Arts, Grade 5	Through creating, producing, and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a certified visual arts teacher.	05	05
2019-2020	100088	Visual Arts, Grade 6	Through creating, producing, and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a certified visual arts teacher.	06	06
2019-2020	100092	Music, Grade K	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a certified music teacher.	0K	0K
2019-2020	100093	Music, Grade 1	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a certified music teacher.	01	01
2019-2020	100094	Music, Grade 2	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a certified music teacher.	02	02
2019-2020	100095	Music, Grade 3	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a certified music teacher.	03	03

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100096	Music, Grade 4	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a certified music teacher.	04	04
2019-2020	100097	Music, Grade 5	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a certified music teacher.	05	05
2019-2020	100098	Music, Grade 6	Students will engage, through criteria set by the teacher, in meaningful and purposeful music-making within the four Artistic Processes; creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts. In doing so, students will experience the following concepts of music: rhythm, melody, form, timbre, harmony, and expression; taught by a certified music teacher.	06	06
2019-2020	100102	Theatre, Grade K	Creating, producing, responding and connecting drive age appropriate critical thinking, meaning, reflection, production and assessment through improvisation; dramatization; process-centered; elements of dramatic performance; aesthetics; criticism; history.	0K	0K
2019-2020	100103	Theatre, Grade 1	Creating, producing, responding and connecting drive age appropriate critical thinking, meaning, reflection, production and assessment through improvisation; dramatization; process-centered; elements of dramatic performance; aesthetics; criticism; history.	01	01
2019-2020	100104	Theatre, Grade 2	Creating, producing, responding and connecting drive age appropriate critical thinking, meaning, reflection, production and assessment through improvisation; dramatization; process-centered; elements of dramatic performance; aesthetics; criticism; history.	02	02
2019-2020	100105	Theatre, Grade 3	Creating, producing, responding and connecting drive age appropriate critical thinking, meaning, reflection, production and assessment through improvisation; dramatization; process-centered; elements of dramatic performance; aesthetics; criticism; history.	03	03
2019-2020	100106	Theatre, Grade 4	Creating, producing, responding and connecting drive age appropriate critical thinking, meaning, reflection, production and assessment through improvisation; dramatization; process-centered; elements of dramatic performance; aesthetics; criticism; history.	04	04
2019-2020	100107	Theatre, Grade 5	Creating, producing, responding and connecting drive age appropriate critical thinking, meaning, reflection, production and assessment through improvisation; dramatization; process-centered; elements of dramatic performance; aesthetics; criticism; history.	05	05
2019-2020	100108	Theatre, Grade 6	Students will transition from dramatic play and exploration into more academic theatre work. Continued emphasis is placed on creating, producing, responding and connecting to drive age appropriate critical thinking, meaning, reflection, production and assessment. Students begin to explore the vocal, kinesthetic, emotional, analytical, and intellectual elements of theatrical training through improvisation, dramatization, process-centered elements of dramatic performance, aesthetics, criticism, and history. Students begin to examine theatre genres and styles, broaden theatre vocabulary, and respond to productions by communicating thoughts and feelings, explaining concepts of aesthetics, and evaluating artistic choices.	06	06

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100112	Dance, Grade K	Students explore dance movement and begin to connect it to other subject areas through self-expression and social interactions while developing an awareness of space and acquiring basic coordination skills.	0K	0K
2019-2020	100113	Dance, Grade 1	Students recognize and apply the elements of dance, while developing individually and as a group. They create movement, perform dances with increasing skill, respond to dance through analysis, and begin to develop an understanding of how dance communicates ideas and cultures.	01	01
2019-2020	100114	Dance, Grade 2	Students differentiate the elements of dance through improvisation and increased skills in choreography, while exploring movement concepts and expanding on prior knowledge to apply the elements of dance in movement phrases to illustrate ideas, meaning and cultures. They recognize patterns and genres of dance and are able to explain relationships between movement and personal meaning.	02	02
2019-2020	100115	Dance, Grade 3	Students engage in solving movement problems to develop critical thinking skills and discover choreographic devices. Their understanding of dance broadens as it relates to culture, society, and community. Movement skills increase as does their ability to work safely in groups. Dance vocabulary expands to include elements, qualities, genres and style as they respond orally and in writing.	03	03
2019-2020	100116	Dance, Grade 4	Students develop higher order thinking skills through the use of choreographic devices, independent problem solving, and the exploration of topics and main ideas. Students increase movement skills while building on prior knowledge to further understand the importance of safe practices in movement activities. By creating, performing, responding and connecting they develop their use of dance terminology, recognize and use repeating patterns and begin to understand the use of production elements.	04	04
2019-2020	100117	Dance, Grade 5	Students develop the ability to perform a series of dance movements while executing an understanding of proper, safe technique. They are able to solve multiple movement problems and increase their facility with choreographic devices and production elements. Students begin to develop performance goals and participate in peer review. while refining choreography through feedback, and explaining movement choices orally and in written formats. They compare and contrast style, cultural movement practice, emotional content and ideas in choreography while responding and connecting.	05	05
2019-2020	100118	Dance, Grade 6	Students begin to develop artistic intent and artistic criteria to revise dance compositions, while increasing their technical skills using the elements of dance to enhance the performance experience. Students also use a variety of research methods to investigate social topics as themes for dance compositions. Basic anatomical knowledge and performance etiquette along with intentional artistic intent increase performance quality and safety. Students continue to develop cultural understandings and contexts through responding and connecting.	06	06
2019-2020	100119	Arts Elective, Grades PK-6	NOTE: MAY BE USED FOR DANCE, MUSIC, THEATRE, VISUAL ARTS OR A COMBINATION TO TEACH CREATIVE/PERFORMING PROCESSES.	PK	06
2019-2020	100122	Spanish, Grade K	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Spanish-speaking cultures	0K	0K
2019-2020	100123	Spanish, Grade 1	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Spanish-speaking cultures	01	01
2019-2020	100124	Spanish, Grade 2	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Spanish-speaking cultures	02	02



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100125	Spanish, Grade 3	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Spanish-speaking cultures	03	03
2019-2020	100126	Spanish, Grade 4	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Spanish-speaking cultures	04	04
2019-2020	100127	Spanish, Grade 5	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Spanish-speaking cultures	05	05
2019-2020	100128	Spanish, Grade 6	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Spanish-speaking cultures	06	06
2019-2020	100132	French, Grade K	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures	0K	0K
2019-2020	100133	French, Grade 1	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures	01	01
2019-2020	100134	French, Grade 2	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures	02	02
2019-2020	100135	French, Grade 3	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures	03	03
2019-2020	100136	French, Grade 4	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures	04	04
2019-2020	100137	French, Grade 5	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures	05	05
2019-2020	100138	French, Grade 6	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures	06	06
2019-2020	100142	German, Grade K	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures	0K	0K
2019-2020	100143	German, Grade 1	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures	01	01
2019-2020	100144	German, Grade 2	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures	02	02
2019-2020	100145	German, Grade 3	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures	03	03
2019-2020	100146	German, Grade 4	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures	04	04
2019-2020	100147	German, Grade 5	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures	05	05
2019-2020	100148	German, Grade 6	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures	06	06

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100152	Russian, Grade K	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Russian-speaking cultures	0K	0K
2019-2020	100153	Russian, Grade 1	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Russian-speaking cultures	01	01
2019-2020	100154	Russian, Grade 2	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Russian-speaking cultures	02	02
2019-2020	100155	Russian, Grade 3	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Russian-speaking cultures	03	03
2019-2020	100156	Russian, Grade 4	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Russian-speaking cultures	04	04
2019-2020	100157	Russian, Grade 5	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Russian-speaking cultures	05	05
2019-2020	100158	Russian, Grade 6	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Russian-speaking cultures	06	06
2019-2020	100162	Japanese, Grade K	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Japanese-speaking cultures	0K	0K
2019-2020	100163	Japanese, Grade 1	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Japanese-speaking cultures	01	01
2019-2020	100164	Japanese, Grade 2	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Japanese-speaking cultures	02	02
2019-2020	100165	Japanese, Grade 3	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Japanese-speaking cultures	03	03
2019-2020	100166	Japanese, Grade 4	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Japanese-speaking cultures	04	04
2019-2020	100167	Japanese, Grade 5	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Japanese-speaking cultures	05	05
2019-2020	100168	Japanese, Grade 6	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Japanese-speaking cultures	06	06
2019-2020	100172	Chinese, Grade K	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Chinese-speaking cultures	0K	0K
2019-2020	100173	Chinese, Grade 1	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Chinese-speaking cultures	01	01
2019-2020	100174	Chinese, Grade 2	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Chinese-speaking cultures	02	02
2019-2020	100175	Chinese, Grade 3	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Chinese-speaking cultures	03	03

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100176	Chinese, Grade 4	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Chinese-speaking cultures	04	04
2019-2020	100177	Chinese, Grade 5	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Chinese-speaking cultures	05	05
2019-2020	100178	Chinese, Grade 6	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Chinese-speaking cultures	06	06
2019-2020	100182	American Sign Language, Grade K	Development of communicative skills (including vocabulary and grammar acquisition); culture study	0K	0K
2019-2020	100183	American Sign Language, Grade 1	Development of communicative skills (including vocabulary and grammar acquisition); culture study	01	01
2019-2020	100184	American Sign Language, Grade 2	Development of communicative skills (including vocabulary and grammar acquisition); culture study	02	02
2019-2020	100185	American Sign Language, Grade 3	Development of communicative skills (including vocabulary and grammar acquisition); culture study	03	03
2019-2020	100186	American Sign Language, Grade 4	Development of communicative skills (including vocabulary and grammar acquisition); culture study	04	04
2019-2020	100187	American Sign Language, Grade 5	Development of communicative skills (including vocabulary and grammar acquisition); culture study	05	05
2019-2020	100188	American Sign Language, Grade 6	Development of communicative skills (including vocabulary and grammar acquisition); culture study	06	06
2019-2020	100191	English for Speakers of Other Languages (PK-6)	This code applies to English for Speakers of Other Languages (ESOL) teachers who provide core English language development classes/courses at the elementary level (Grades P-6). These teachers are responsible for ensuring English Language Learners (ELLs) acquire academic language and communicative competence through the implementation of the World-class Instructional Design and Assessment-English Language Proficiency (WIDA-ELP) Standards.	PK	06
2019-2020	100193	Korean, Grade K	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Korean-speaking cultures	0K	0K
2019-2020	100194	Korean, Grade 1	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Korean-speaking cultures	01	01
2019-2020	100195	Korean, Grade 2	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Korean-speaking cultures	02	02
2019-2020	100196	Korean, Grade 3	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Korean-speaking cultures	03	03
2019-2020	100197	Korean, Grade 4	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Korean-speaking cultures	04	04
2019-2020	100198	Korean, Grade 5	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Korean-speaking cultures	05	05
2019-2020	100199	Korean, Grade 6	Listening, speaking, reading, and writing skills involving familiar topics with focus on oral language use; recognition of basic sound distinctions and intonation patterns; basic elements of Korean-speaking cultures	06	06
2019-2020	100251	Physical Education, Self-Contained Grade P	Children will develop fundamental gross motor skills.	PK	PK
2019-2020	100252	Physical Education, Self-Contained Grade K	Acquisition of fundamental motor skills integrated with a variety of movement concepts taught by a general classroom teacher	0K	0K

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100253	Physical Education, Self-Contained Grade 1	Acquisition of fundamental motor skills integrated with a variety of movement concepts taught by a general classroom teacher	01	01
2019-2020	100254	Physical Education, Self-Contained Grade 2	Acquisition of fundamental motor skills integrated with a variety of movement concepts taught by a general classroom teacher	02	02
2019-2020	100255	Physical Education, Self-Contained Grade 3	Acquisition of fundamental motor skills integrated with a variety of movement concepts taught by a general classroom teacher	03	03
2019-2020	100256	Physical Education, Self-Contained Grade 4	Refinement of fundamental motor skills integrated with a variety of movement concepts taught by a general classroom teacher	04	04
2019-2020	100257	Physical Education, Self-Contained Grade 5	Refinement of fundamental motor skills integrated with a variety of movement concepts taught by a general classroom teacher	05	05
2019-2020	100258	Physical Education, Self-Contained Grade 6	Refinement of fundamental motor skills integrated with a variety of movement concepts taught by a general classroom teacher	06	06
2019-2020	100282	Visual Arts, Self-Contained Grade K	Through creating, producing and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a general classroom teacher.	0K	0K
2019-2020	100283	Visual Arts, Self-Contained Grade 1	Through creating, producing and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a general classroom teacher.	01	01
2019-2020	100284	Visual Arts, Self-Contained Grade 2	Through creating, producing and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a general classroom teacher.	02	02
2019-2020	100285	Visual Arts, Self-Contained Grade 3	Through creating, producing and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a general classroom teacher.	03	03
2019-2020	100286	Visual Arts, Self-Contained Grade 4	Through creating, producing and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a general classroom teacher.	04	04
2019-2020	100287	Visual Arts, Self-Contained Grade 5	Through creating, producing and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a general classroom teacher.	05	05

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100288	Visual Arts, Self-Contained Grade 6	Through creating, producing and responding, students will explore the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Students will study works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a general classroom teacher.	06	06
2019-2020	100292	Music, Self-Contained Grade K	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a general classroom teacher.	0K	0K
2019-2020	100293	Music, Self-Contained Grade 1	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a general classroom teacher.	01	01
2019-2020	100294	Music, Self-Contained Grade 2	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a general classroom teacher.	02	02
2019-2020	100295	Music, Self-Contained Grade 3	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a general classroom teacher.	03	03
2019-2020	100296	Music, Self-Contained Grade 4	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a general classroom teacher.	04	04
2019-2020	100297	Music, Self-Contained Grade 5	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a general classroom teacher.	05	05
2019-2020	100298	Music, Self-Contained Grade 6	Creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts; taught by a general classroom teacher.	06	06
2019-2020	100301	Media Arts Grade K	This course through available and digital media technology, allows students engage in the creative process to produce meaningful media art products. Creating, producing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.	0K	0K
2019-2020	100302	Media Arts, Grade 1	This course through available and digital media technology, allows students engage in the creative process to produce meaningful media art products. Creating, producing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.	01	01
2019-2020	100303	Media Arts, Grade 2	This course through available and digital media technology, allows students engage in the creative process to produce meaningful media art products. Creating, producing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.	02	02

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	100304	Media Arts, Grade 3	This course through available and digital media technology, allows students engage in the creative process to produce meaningful media art products. Creating, producing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.	03	03
2019-2020	100305	Media Arts, Grade 4	This course through available and digital media technology, allows students engage in the creative process to produce meaningful media art products. Creating, producing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.	04	04
2019-2020	100306	Media Arts, Grade 5	This course through available and digital media technology, allows students engage in the creative process to produce meaningful media art products. Creating, producing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.	05	05
2019-2020	100307	Media Arts, Grade 6	This course, through available and digital media technology, allows students to engage in the creative process to produce meaningful media art products. Use of prior skills demonstrates an ability to engage in complex and independent thoughts, while focus is placed on how people relate to and interpret media arts products. Creating, producing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.	06	06
2019-2020	101000	Reading Elective, Grades PK-6	NOTE: FOR TEACHING READING TO STUDENTS WITH DISABILITIES IN GRADES PK-6, SEE THE SPECIAL EDUCATION COURSES SECTION. THIS COURSE MAY NOT SUBSTITUTE FOR THE REQUIRED READING STANDARDS FOR THESE GRADES. Additional or specialized reading concepts related to one or both types of text: literature, informational text.	PK	06
2019-2020	101100	Mathematics Elective, Grades PK-6	NOTE: THIS COURSE MAY NOT SUBSTITUTE FOR THE REQUIRED MATHEMATICS STANDARDS FOR THESE GRADES. Additional or specialized mathematical concepts.	PK	06
2019-2020	101300	Science Elective, Grades PK-6	NOTE: THIS COURSE MAY NOT SUBSTITUTE FOR REQUIRED SCIENCE STANDARDS. Disciplinary core ideas of life, physical, and earth sciences including integration of science and engineering practices and crosscutting concepts.	PK	06
2019-2020	101400	Social Studies Elective, Grades Pk-6	NOTE: THIS COURSE MAY NOT SUBSTITUTE FOR THE REQUIRED SOCIAL STUDIES STANDARDS FOR THESE GRADES. Additional or specialized social studies concepts.	PK	06
2019-2020	101900	Foreign Language Survey, Grades PK-6	Survey course of language(s) other than English for Grades PK-6; listening, speaking, understanding, and responding skills.	PK	06
2019-2020	200001	English Language Arts, Grade 7	Reading literature, reading informational text, writing, speaking and listening, and language	07	07
2019-2020	200002	English Language Arts, Grade 7, Honors/Advanced Level	Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	07	07
2019-2020	200003	English Language Arts, Grade 8	Reading literature, reading informational text, writing, speaking and listening, and language	08	08
2019-2020	200004	English Language Arts, Grade 8, Honors/Advanced Level	Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	200005	English, Grade 9	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language	09	09
2019-2020	200006	English, Grade 9, Honors	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	09	09
2019-2020	200007	English, Grade 9, Advanced Level	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	09	09
2019-2020	200009	English, Grade 10	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language	10	10
2019-2020	200010	English, Grade 10, Honors	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	10	10
2019-2020	200011	English, Grade 10, Advanced Level	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	10	10
2019-2020	200013	English, Grade 11	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language	11	11
2019-2020	200014	English, Grade 11, Honors	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	11	11
2019-2020	200015	English, Grade 11, Advanced Level	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	11	11
2019-2020	200016	English, Language and Composition, AP	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	11	12
2019-2020	200017	English, Grade 12	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language	12	12
2019-2020	200018	English, Grade 12, Honors	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	12	12
2019-2020	200019	English, Grade 12, Advanced Level	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Advanced work in reading literature, reading informational text, writing, speaking and listening, and language	12	12
2019-2020	200020	English, Literature and Composition, AP	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.	11	12
2019-2020	200021	Language A: Literature, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the analysis of literary texts in a student's native language; skills of literary criticism; strong written and oral skills.	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	200022	Language A: Literature, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the analysis of literary texts in a student's native language; skills of literary criticism; strong written and oral skills.	11	12
2019-2020	200023	World Literature	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Reading and critiquing world literature	09	12
2019-2020	200024	Contemporary Literature	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Modern authors; thematic patterns; essay writing; reading and critiquing works of the 20th century including Jarrell, Brautigan, Dickey, and Updike	09	12
2019-2020	200025	Bible as Literature	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Study of the Old Testament, New Testament, heroes, prophecies, poetry and prose style	09	12
2019-2020	200026	Literature, Mythology and Fable	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Study of Greece and Rome; Egypt and Mesopotamia; China, Japan, and India; mythologies and fables	09	12
2019-2020	200027	Drama, Introduction	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Play reading of dramatists such as Ibsen, Miller; critiquing	09	12
2019-2020	200028	Classical World Literature	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Reading and critiquing world classical literature	09	12
2019-2020	200029	Literature, Novels	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Readings, discussions, and writings on selected novelists such as Hawthorne, Twain, and Melville	09	12
2019-2020	200030	Literature, Short Story	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Historical development; literary elements and characteristics; American and foreign short stories	09	12
2019-2020	200031	Ethnic Literature	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Short stories; essays; short novels on human values	09	12
2019-2020	200032	Composition, Expository	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Basic composition structure; models; skill improvement	09	12
2019-2020	200033	Creative Writing (1.0 Credit)	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Composing poetry, short stories, and critical responses	09	12
2019-2020	200034	American Literature	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Major American writers; novels, short stories, dramas, poetry; chronological survey	09	12
2019-2020	200035	Mass Media	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Listening, analyzing, writing and discussing television, newspapers, and film	09	12
2019-2020	200036	Other English Electives, Grades 9-12	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Courses developed locally; an English elective not described in this listing of English elective courses.	09	12
2019-2020	200037	English Intervention, Grades 7-12	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Remedial work below grade level in reading literature, reading informational text, writing, speaking and listening, and language.	07	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	200038	English Electives, Grades 7-8	NOTE: THIS COURSE MAY NOT SUBSTITUTE FOR THE REQUIRED ENGLISH LANGUAGE ARTS FOR THESE GRADES. Courses developed locally to fulfill specialized interests.	07	08
2019-2020	200039	Creative Writing (0.5 Credit)	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Composing poetry, short stories, and critical responses	09	12
2019-2020	200040	Creative Writing (Grade 8, Half-Year Course)	NOTE: THIS COURSE DOES NOT REPLACE ENGLISH 8.Creative Writing Elective Grade 8 is a half-year elective course which explores children's short stories, poetry, and other works of fiction and non-fiction. Through the study of literary works, the students will have multiple opportunities to practice the process of writing. Writing assignments are age-appropriate for middle school students.	08	08
2019-2020	200041	Oral Communication	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Interpersonal communications; group process; media use; informal speeches; interactive reading	09	12
2019-2020	200042	Public Speaking	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Extemporaneous, demonstrative, persuasive, informative oral communication; videotape; speech writing and delivery	09	12
2019-2020	200043	Speech 1	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Oral reading; children's literature; delivering, selecting, organizing speeches; persuasion; poise and verbal skills	09	12
2019-2020	200044	Speech 2	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Tournaments; debate techniques; argumentation; problem solving	09	12
2019-2020	200045	Debate	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Individual work in debate	09	12
2019-2020	200046	Other Speech Electives	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Locally developed speech elective in addition to Speech 1 and 2 or not adequately described by Speech 1 and 2 descriptions; speech practices and techniques	09	12
2019-2020	200047	Creative Writing (Grade 8, Full-Year Course)	NOTE: THIS COURSE DOES NOT REPLACE ENGLISH 8.Creative Writing Grade 8 is a full-year course which offers the emerging writer a framework through which he/she can develop his/her literary talents. The course will guide the student through an exploration of different literary genres and offer a plethora of activities that will result in the practice of the craft of writing through the creation of both fiction and non-fiction writing samples. Writing assignments are age appropriate for middle school students.	08	08
2019-2020	200051	Journalism 1	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Newspaper study; newspaper production; news information gathering; proofreading; journalistic writing	07	12
2019-2020	200052	Journalism 2	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Advanced newspaper work; laboratory course; layout, in-depth editing, publishing, finance	08	12
2019-2020	200053	Journalism 3	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. School newspaper management; advanced journalism	09	12
2019-2020	200054	Other Journalism Electives	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Local Journalism elective course developed at local level in addition to Journalism 1, 2, and 3 or not adequately described by course descriptions above	07	12
2019-2020	200055	ALSDE approved English Electives, 9-12	This course MAY BE USED as one of the four required English credits for graduation upon approval by ALSDE.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	200056	The Essentials of College English	This six unit literacy and composition course utilizes a disciplinary literacy approach that teaches students strategies for reading and understanding complex texts in various subject areas. The emphasis is on collaborative learning strategies and interactive classroom activities to help students' foster independent goal- setting and strong study habits. Reading texts at or above grade level, students discover the connection between comprehending text and expressing their knowledge through writing, ultimately producing authentic and rigorous communication products utilized in college and the workplace.	12	12
2019-2020	200061	Reading Intervention, Grades 7-12	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Reading difficulties; skill acquisition; reading techniques remediation; word attack	07	12
2019-2020	200062	Reading, Grade 7	Skill acquisition; reading techniques, developmental literature study	07	07
2019-2020	200063	Reading, Grade 8	Skill acquisition; reading techniques, developmental literature study	08	08
2019-2020	200064	Speed Reading	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Reading rate improvement; scanning; critical reading; research strategies; skill development	07	12
2019-2020	200065	Language A: Language and Literature, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the critical study and interpretation of written and spoken texts from a wide range of literary and non-literary genres; skills of literary criticism; strong written and oral skills.	11	12
2019-2020	200066	Language A: Language and Literature, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the critical study and interpretation of written and spoken texts from a wide range of literary and non-literary genres; skills of literary criticism; strong written and oral skills.	11	12
2019-2020	200067	Literature and Performance, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on an exploration of the relationship between literature and theatre; focuses on the interaction between the literary skills of close reading, critical writing and discussion, and the practical, aesthetic, and symbolic elements of performance.	11	12
2019-2020	200068	College Board Approved Pre-AP English 1	COURSE MAY ONLY BE OFFERED WITH APPROVAL FROM COLLEGE BOARD AND ALSDE. This course focuses on the close reading, analytical writing, and language skills that have immediate relevance for students across their current courses and that are most essential for their future work in high school, college, and careers. Emphasis is on close reading of complex texts, with a stress on valuing evidence, and focus on attention to language. Students read closely and analyze a range of complex literary and informational texts; value textual evidence and incorporate it effectively in writing and speaking; and understand how writers and speakers use specific words and sentences to move the thoughts, emotions, and actions of readers and listeners.	09	09

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	210001	Mathematics, Grade 7	Students will analyze proportional relationships and use them to solve real-world and mathematical problems; apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers; use properties of operations to generate equivalent expressions; solve real-life and mathematical problems using numerical and algebraic expressions and equations; draw, construct, and describe geometrical figures and describe the relationship between them; solve real-life and mathematical problems involving angle measure, area, surface area, and volume; use random sampling to draw inferences about a population; draw informal comparative inferences about two populations; and investigate chance processes and develop, use, and evaluate probability models.	07	07
2019-2020	210002	Mathematics, Grade 7, Honors/Advanced Level	Advanced work in computational fluency of integers; problem-solving skills; basic geometric shapes and figures; basic algebra concepts and skills, including algebraic expressions and linear equations; properties of rational numbers; basic probability and statistics; and proportional reasoning.	07	07
2019-2020	210003	Mathematics, Grade 8	Students will know that there are numbers that are not rational, and approximate them by rational numbers; work with radicals and integer exponents; understand the connections among proportional relationships, lines, and linear equations; analyze and solve linear equations and pairs of simultaneous linear equations; define, evaluate, and compare functions; use functions to model relationships between quantities; understand congruence and similarity using physical models, transparencies, or geometry software; understand and apply the Pythagorean Theorem; solve real-world and mathematical problems involving volume of cylinders, cones, and spheres; and investigate patterns of association in bivariate data.	08	08
2019-2020	210004	Mathematics, Grade 8, Honors/Advanced Level	Advanced work in problem-solving skills; expanded pre-geometry skills, including angles; characteristics of shapes and figures, and perimeter and area of shapes; expanded pre-algebra concepts, including equations, inequalities, and properties of rational numbers; functions; graphs; theoretical probability and statistics; and the Pythagorean Theorem.	08	08
2019-2020	210005	Algebra I	NOTE: ALGEBRA I IS ONE OF THE COURSES REQUIRED FOR ALL STUDENTS. SYSTEMS OFFERING ALGEBRA I IN GRADE 8 HAVE THE RESPONSIBILITY OF ENSURING THAT ALL OF ALGEBRA I COURSE CONTENT STANDARDS AND GRADE 8 COURSE CONTENT STANDARDS BE INCLUDED IN INSTRUCTION. SYSTEMS OFFERING ALGEBRA I IN GRADE 7 HAVE THE RESPONSIBILITY OF ENSURING THAT ALL OF ALGEBRA I COURSE CONTENT STANDARDS, GRADE 8 COURSE CONTENT STANDARDS, AND GRADE 7 COURSE CONTENT STANDARDS BE INCLUDED IN INSTRUCTION. This course builds on foundational mathematics content learned by students in Grades K-8 by expanding mathematics understanding to provide students with a strong mathematics education. Content is designed to engage students in a variety of mathematical experiences that include the use of reasoning and problem-solving skills, which may be applied to life situations beyond the classroom setting. This course serves as the cornerstone for all high school mathematics courses; therefore, all subsequent mathematics courses require student mastery of the Algebra I content standards.	07	12
2019-2020	210006	Algebra I, Honors	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Advanced study of algebraic concepts contained in the Algebra I course.	07	12
2019-2020	210007	Algebra I, Advanced Level	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Advanced study of algebraic concepts contained in the Algebra I course.	07	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	210008	Algebra IA	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. First part of a formal study of algebraic concepts and the real number system and is approximately one-half of the content of Algebra I. Content standards 3, 4, 5, 6, 7, 7a, 7b, 8, 12, 13, 14, 15, 16, 17, 19, 20, 22, 23, 24, 25, 26, 28, 29, 30, 31, 31a, 32, 33, 34, 34a, 34b, 35, 36, 37a, 37b, 38, 40, 45, 45a, 45b, 45c, and 46 must be taught in this course.	07	12
2019-2020	210009	Algebra IB	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Second part of a formal study of algebraic concepts and the real number and is approximately one-half of the content of Algebra I. Content standards 1, 2, 3, 7, 7a, 7b, 8, 9, 9a, 9b, 9c, 9d, 10, 11, 12, 13, 16, 18, 18a, 18b, 21, 23, 27, 28, 29, 30, 31, 31a, 31b, 32, 32a, 32b, 33, 34, 34a, 34b, 35, 36, 37, 37a, 37c, 38, 39, 40, 41, 42, 43, 44, 45, 45a, 45b, and 47 must be taught in this course.	07	12
2019-2020	210010	Geometry	NOTE: GEOMETRY IS ONE OF THE COURSES REQUIRED FOR ALL STUDENTS. The Geometry course builds on Algebra I concepts and increases students' knowledge of shapes and their properties through geometry-based application, many of which are observable in aspects of everyday life. This knowledge helps develop visual and spatial sense and strong reasoning skills. The Geometry course requires students to make conjectures and to use reasoning to validate or negate these conjectures. The use of proofs and constructions is a valuable tool that enhances reasoning skills and enables students to better understand more complex mathematical concepts. Technology should be used to enhance students' mathematical experience, not replace their reasoning abilities.	08	12
2019-2020	210011	Geometry, Honors	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Advanced study of geometric concepts contained in the Geometry course.	08	12
2019-2020	210012	Geometry, Advanced Level	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Advanced study of geometric concepts contained in the Geometry course.	08	12
2019-2020	210013	Geometry A	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. First part of a study of Euclidean geometry and is approximately one-half of the content of Geometry. Content standards 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 26, 30, 31, 32, 33, and 34 must be taught in this course.	08	12
2019-2020	210014	Geometry B	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Second part of a study of Euclidean geometry and is approximately one-half of the content of Geometry. Content standards 2, 12, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 35, 36, 37, 38, 39, 40, 41, 42, and 43 must be taught in this course.	08	12
2019-2020	210015	Algebraic Connections	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. THE PREREQUISITES FOR ALGEBRAIC CONNECTIONS ARE ALGEBRA I AND GEOMETRY. Algebraic Connections is a course designed for students who wish to increase their mathematical knowledge and skills prior to enrollment in the Algebra II course or the Algebra II with Trigonometry course. Algebraic Connections expands upon the concepts of Algebra I and Geometry, with an emphasis on applying functions to make predictions and to calculate outcomes.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	210016	Algebra II	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. THE PREREQUISITES FOR ALGEBRA II ARE ALGEBRA I AND GEOMETRY. Algebra II is a 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 is required to complete the graduation requirements for the Alabama High School Diploma. Algebra II does not provide sufficient background to prepare students to pursue higher-level mathematics courses such as Pre-Calculus, Analytical Mathematics and Discrete Mathematics.	09	12
2019-2020	210017	Algebra II with Trigonometry	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. IF A STUDENT CHOOSES TO TAKE THE ALGEBRAIC CONNECTIONS COURSE, IT MUST BE TAKEN PRIOR TO THE ALGEBRA II WITH TRIGONOMETRY COURSE. THE PREQUISITES FOR THIS COURSE ARE ALGEBRA I AND GEOMETRY. 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 mathematic. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension.	09	12
2019-2020	210018	Discrete Mathematics	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. THE PREREQUISITES FOR THIS COURSE ARE ALGEBRA I, GEOMETRY, AND ALGEBRA II WITH TRIGONOMETRY. 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 Precalculus 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.	09	12
2019-2020	210019	Mathematical Investigations	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. THE PREREQUISITES FOR THIS COURSE ARE ALGEBRA I, GEOMETRY, AND ALGEBRA II OR ALGEBRA II WITH TRIGONOMETRY. Mathematical Investigations is a course designed for students who have successfully completed the Algebra II or Algebra II with Trigonometry course and who choose not to continue mathematics study in the Precalculus or Analytical Mathematics courses. This course may be offered as an elective for students who have completed the four mathematics requirements for graduation. Mathematical Investigations is intended to extend students' knowledge of mathematical development. Beginning with ancient numeration systems, students explore relationships between mathematics and nature, music, art, and architecture as well as the contributions of well-known mathematicians. It extends the scope of prerequisite courses, integrating topics with an emphasis on application-based problem solving. The wide range of topics and applied problems may lend itself to organizing the content into thematic units.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	210020	Precalculus	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Precalculus is a course designed for students who have successfully completed the Algebra II with Trigonometry course. This course is considered to be a prerequisite for success in calculus and college mathematics. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Precalculus 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.	09	12
2019-2020	210023	Calculus	NOTE: THIS COURSE MAY BE USED FOR ONE OF THE FOUR REQUIRED MATHEMATICS CREDITS ONLY IF THE LOCAL SYSTEM HAS SUBMITTED AND RECEIVED APPROVAL FOR COURSE STANDARDS. Advanced math course; differential and integral calculus; analytic geometry topics; and functions.	09	12
2019-2020	210025	Calculus AB, AP	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. College-level advanced math course approved by the College Board Advanced Placement (AP) program for calculus; functions, graphs, and limits; derivatives; integrals; polynomial approximations and series.	11	12
2019-2020	210026	Calculus BC, AP	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. College-level course approved by the College Board Advanced Placement (AP) Program for calculus; this course is an extension of AP Calculus AB rather than an enhancement; common topics require a similar depth of understanding.	11	12
2019-2020	210027	Statistics, AP	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. College-level advanced course approved by the College Board Advanced Placement (AP) Program for statistics; introductory, non-calculus based course to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusion from data.	11	12
2019-2020	210028	Mathematical Studies, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. THIS COURSE MAY ONLY BE OFFERED FOLLOWING ALGEBRA I, GEOMETRY, AND ALGEBRA II WITH TRIGONOMETRY. Emphasis on mathematics that can be applied to contexts related as far as possible to other subjects being studied, to common real-world occurrences, and to topics that relate to home, work, and leisure situations.	11	12
2019-2020	210029	Mathematics, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. THIS COURSE MAY ONLY BE OFFERED FOLLOWING ALGEBRA I, GEOMETRY, AND ALGEBRA II WITH TRIGONOMETRY. NOTE THAT THE MATHEMATICS METHODS COURSE IS AVAILABLE ONLY AT STANDARD LEVEL (SL). Emphasis on introducing important mathematical concepts through the development of mathematical techniques; the majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology, and business administration.	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	210030	Mathematics, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAREATE (IB) DIPLOMA PROGRAMME. THIS COURSE MAY ONLY BE OFFERED FOLLOWING ALGEBRA I, GEOMETRY, AND ALGEBRA II WITH TRIGONOMETRY. Emphasis on developing important mathematical concepts in a comprehensible, coherent, and rigorous way; the majority of these students will be expecting to include mathematics as a major component of their university studies, either as a subject in its own right or within courses such as physics, engineering, and technology.	11	12
2019-2020	210031	Further Mathematics, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAREATE (IB) DIPLOMA PROGRAMME. This course may only be offered following algebra I, geometry, and algebra ii with trigonometry. NOTE THAT THE FURTHER MATHEMATICS STUDIES COURSE IS AVAILABLE ONLY AT STANDARD LEVEL (SL). Emphasis on different branches of mathematics to encourage the student to appreciate the diversity of the subject; this course is for students with a good background in mathematics who have attained a high degree of competence in a range of analytical and technical skills.	11	12
2019-2020	210032	Mathematics Electives, Grades 9-12	This course may not be used for one of the four required mathematics credits for graduation. Additional or specialized mathematical concepts	09	12
2019-2020	210033	Mathematics Intervention, Grades 7-12	NOTE: THIS COURSE IS A MATHEMATICS ELECTIVE AND DOES NOT FULFILL ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Remedial work in mathematics.	07	12
2019-2020	210034	Analytical Mathematics	NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. 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. While this course may be taken either prior to or after Precalculus, it is recommended that students who are interested in postsecondary studies in engineering successfully complete the Precalculus course as well as, where available, an Advanced Placement or International Baccalaureate calculus course. This course provides a structured introduction to important areas of emphasis in most postsecondary studies that pursue a concentration in mathematics. Linear algebra, logic, vectors, and matrices are topics that are given more in-depth coverage than in previous courses. Application-based problem solving is an integral part of this course. To assist students with numerical and graphical analysis, the use of advanced technological tools is highly recommended.	09	12
2019-2020	210035	Mathematics Elective, Grades 7-8	NOTE: THIS COURSE MAY NOT SUBSTITUTE FOR THE REQUIRED MATHEMATICS FOR THESE GRADES. Additional or specialized mathematical concepts.	07	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	210036	Algebra with Finance	<p>Algebra with Finance is a college and career preparatory course that integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level.</p> <p>Students are encouraged to use a variety of problem-solving skills and strategies in real-world contexts, and to question outcomes using mathematical analysis and data to support their findings. The course offers students multiple opportunities to use, construct, question, model, and interpret financial situations through symbolic algebraic representations, graphical representations, geometric representations, and verbal representations.</p> <p>Math concepts and skills are applied through study and problem-solving activities in workforce situations in the following areas: banking, investing, employment and income taxes, automobile ownership and operation, mathematical operations, consumer credit, independent living, and retirement planning and budgeting. This course may be used as the fourth math credit, a substitute for Algebra II, or an elective.</p>	10	12
2019-2020	210037	ALSDE approved Mathematics Electives, Grades 9-12	Mathematics course developed locally and submitted to ALSDE for approval as ONE OF THE FOUR REQUIRED courses for graduation.	09	12
2019-2020	210039	The Essentials of College Mathematics	This algebra, functions, and statistics course emphasizes understanding of math concepts rather than procedural memorization. Students' conceptual understanding of mathematics is strengthened by engaging them in solving real-world applications. The course is built with rigor, innovative instructional strategies, and a concentration on contextual learning which develops critical-thinking skills that students will utilize through-out their high school studies and beyond. The course consists of eight units, culminating in a capstone project.	12	12
2019-2020	210040	College Board Approved Pre-AP Algebra 1	COURSE MAY ONLY BE OFFERED WITH APPROVAL FROM COLLEGE BOARD AND ALSDE. Emphasis is on linear equations and linear functions with focus on authentic applications and concentration on creating mathematical arguments. Students develop deep and robust understanding of linear relationships in procedural, conceptual, and applied settings; employ mathematics to model and explain authentic scenarios; and use evidence to craft mathematical conjectures and prove or disprove them.	07	12
2019-2020	210041	Mathematics: Analysis and approaches, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. SL Level. Construction, communication, and justification of mathematical arguments and development of strong skills in mathematical thinking; exploration of real and abstract applications of ideas; mathematical problem solving, patterns and generalization.	11	12
2019-2020	210042	Mathematics: Analysis and approaches, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. HL Level. Construction, communication, and justification of correct mathematical arguments, development of strong skills in mathematical thinking; exploration of real and abstract applications of ideas; mathematical problem solving and generalization; strong algebraic skills and ability to understand simple proof; challenging problem solving.	11	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	210043	Mathematics: Applications and interpretations, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. SL Level. Development of mathematics for describing the world and solving practical problems, using technology to justify conjectures; harnessing the power of technology alongside exploring mathematical models; focus on topics used as applications or in mathematical modeling; extensive use of technology to explore and construct mathematical models.	11	12
2019-2020	210044	Mathematics: Applications and interpretations, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. HL Level. Development of mathematics for describing the world and solving practical problems, using technology to justify conjectures; harnessing the power of technology alongside exploring mathematical models; focus on topics used as applications or in mathematical modeling; extensive use of technology to explore and construct mathematical models, exploring challenging problems through use of technology; will require good algebraic skills and experience solving real-world problems.	11	12
2019-2020	220001	Life Science, Grade 7	Life Science concentration on the structure and function of cells and their connections to organs and organ systems; the interactions between living organisms and between biotic and abiotic factors; explanations of genetic variations, results of genetic mutations, and impacts of genetic technologies; and the patterns of change in populations of organisms over a long period of time and the relationship between natural selection and the reproduction and survival of a population with integration of science and engineering practices.	07	07
2019-2020	220002	Life Science, Grade 7, Honors/Advanced Level	Advanced Life Science concentration on the structure and function of cells and their connections to organs and organ systems; the interactions between living organisms and between biotic and abiotic factors; explanations of genetic variations, results of genetic mutations, and impacts of genetic technologies; and the patterns of change in populations of organisms over a long period of time and the relationship between natural selection and the reproduction and survival of a population with integration of science and engineering practices.	07	07
2019-2020	220003	Physical Science, Grade 8	Physical Science concentration on the composition and properties of matter; examining forces and predicting and developing explanations for changes in motion; the conservation of energy, energy transformations, and applications of energy to everyday life; and types and properties of waves and the use of waves in communication devices with integration of science and engineering practices.	08	08
2019-2020	220004	Physical Science, Grade 8, Honors/Advanced Level	Advanced Physical Science concentration on the composition and properties of matter; examining forces and predicting and developing explanations for changes in motion; the conservation of energy, energy transformations, and applications of energy to everyday life; and types and properties of waves and the use of waves in communication devices with integration of science and engineering practices.	08	08
2019-2020	220005	Science Elective, Grades 7-8	NOTE: THIS COURSE MAY NOT SUBSTITUTE FOR THE REQUIRED SCIENCE STANDARDS FOR THESE GRADES. Specialized science and engineering practices integrated into the disciplinary core ideas of life, physical, and earth sciences.	07	08
2019-2020	220011	Biology	NOTE: BIOLOGY COURSES 220011, 220012, AND 220013 ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT. MAY NOT BE DIVIDED INTO BIOLOGY 1 AND 2. Inquiry-based course with engineering design integration; focused on patterns, processes, and interactions among living organisms including structures and processes, ecosystems, heredity, and unity and diversity.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	220012	Biology, Honors	NOTE: BIOLOGY COURSES 220011, 220012, AND 220013 ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT. MAY NOT BE DIVIDED INTO BIOLOGY 1 AND 2. Advanced inquiry-based course with engineering design integration; focused on patterns, processes, and interactions among living organisms including structures and processes, ecosystems, heredity, and unity and diversity.	09	12
2019-2020	220013	Biology, Advanced Level	NOTE: BIOLOGY COURSES 220011, 220012, AND 220013 ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT. MAY NOT BE DIVIDED INTO BIOLOGY 1 AND 2. Advanced inquiry-based course with engineering design integration; focused on patterns, processes, and interactions among living organisms including structures and processes, ecosystems, heredity, and unity and diversity.	09	12
2019-2020	220014	Biology, AP	NOTE: BIOLOGY COURSES 220011, 220012, AND 220013 ARE ALL DEVELOPED FROM THE BIOLOGY CORE. THESE THREE COURSES ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT. PREREQUISITE: IT IS RECOMMENDED THAT THE AP BIOLOGY COURSE IS DESIGNED TO BE TAKEN AFTER THE SUCCESSFUL COMPLETION OF A FIRST COURSE IN HIGH SCHOOL BIOLOGY AND ONE IN HIGH SCHOOL CHEMISTRY AS WELL. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for biology; scientific process and application skills; molecules; cells; heredity; evolution; organisms; populations.	11	12
2019-2020	220015	Biology, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on biology content including an application of scientific methods by which students develop an ability to analyze, evaluate, and synthesize scientific information.	11	12
2019-2020	220016	Biology, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on biology content including an application of scientific methods by which students develop an ability to analyze, evaluate, and synthesize scientific information	11	12
2019-2020	220026	Human Anatomy and Physiology	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Study of structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in an organisms; how personal choices, environmental factors, and genetic factors affect the human body.	09	12
2019-2020	220027	Human Anatomy and Physiology, Honors	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Advanced study of structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in an organisms; how personal choices, environmental factors, and genetic factors affect the human body.	09	12
2019-2020	220028	Human Anatomy and Physiology, Advanced Level	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Advanced study of structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in an organisms; how personal choices, environmental factors, and genetic factors affect the human body.	09	12
2019-2020	220029	Environmental Science	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Study of natural resources, natural hazards, human impacts on Earth systems and global climate change; design engineering solutions to solve various problems affecting Earth and its environment.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	220030	Environmental Science, Honors	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Advanced study of natural resources, natural hazards, human impacts on Earth systems and global climate change; design engineering solutions to solve various problems affecting Earth and its environment.	09	12
2019-2020	220031	Environmental Science, Advanced Level	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Advanced study of natural resources, natural hazards, human impacts on Earth systems and global climate change; design engineering solutions to solve various problems affecting Earth and its environment.	09	12
2019-2020	220032	Environmental Science, AP	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for environmental science; scientific process and application skills; earth systems and resources; the living world; population; land and water; energy resources and consumption; pollution; global change.	11	12
2019-2020	220033	Environmental Systems & Societies, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT THE ENVIRONMENTAL SYSTEMS COURSE IS AVAILABLE ONLY AT STANDARD LEVEL (SL). DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Emphasis on studying environmental systems and societies to provide a coherent perspective of the interrelationships between environmental systems and societies to evaluate the scientific, ethical, and socio-political aspects of issues that they will inevitably come to face.	11	12
2019-2020	220040	Marine Science (SDE approval required)	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". SDE approval required to offer course. Comprehensive study of the Earth's ocean, including its physics, chemistry, geology, biology, and environmental issues; integration of scientific and engineering practices and crosscutting concepts into the disciplinary core ideas found in the seven Essential Principles of Ocean Sciences.	09	12
2019-2020	220043	Research and Design in Biology	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY, A "PHYSICAL SCIENCE", OR THE 2 ADDITIONAL SCIENCE REQUIREMENTS. Scientific process and application skills; independent study; safety issues and research protocols; controlling/manipulating variables; statistical analysis and display of data; design and completion of inquiry project; scientific paper; competition in fairs and paper symposia; computer application; laboratory-based; technology	09	12
2019-2020	220044	Other SDE Approved Life Science Elective	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR A "PHYSICAL SCIENCE". Courses developed locally and submitted to SDE for approval; a life science elective not described in this listing of life science elective courses	09	12
2019-2020	220045	Life Science Elective, Grades 9-12	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY, "A PHYSICAL SCIENCE", OR THE TWO ADDITIONAL SCIENCE REQUIREMENTS. Specialized topics, processes, skills, applications, principles, and experimentation in life science.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	220046	College Board Approved Pre-AP Biology	COURSE MAY ONLY BE OFFERED WITH APPROVAL FROM COLLEGE BOARD AND ALSDE. This course concentrates on the core areas of ecological systems, cellular systems, evolution, and genetics. Emphasis is on analytical reading and writing, with focus on applying mathematics, and attention to modeling. Students engage in analytical reading and writing to gain, retain, and apply scientific knowledge; use mathematics to understand and express the quantitative aspects of biology, to record and interpret experimental data, and to solve problems as they arise and go beyond just labeling diagrams to modeling biological processes to demonstrate and revise understanding of key patterns, interactions, and relationships.	09	12
2019-2020	220051	Physical Science	NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. 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.	09	12
2019-2020	220052	Physical Science, Honors	NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Advanced 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.	09	12
2019-2020	220053	Physical Science, Advanced Level	NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Advanced 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.	09	12
2019-2020	220054	Physical Science Elective, Grades 9-12	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY, "A PHYSICAL SCIENCE", OR THE TWO ADDITIONAL SCIENCE REQUIREMENTS. Specialized science topics, processes, skills, applications, principles, and experimentation.	09	12
2019-2020	220057	AP Physics 1: Algebra-Based	College-level, algebra-based, introductory physics course following the curriculum established by the College Board Advanced Placement (AP) Program; 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	11	12
2019-2020	220058	AP Physics 2: Algebra-Based	College-level, algebra-based, introductory physics course following the curriculum established by the College Board Advanced Placement (AP) Program; provides a foundation future course work in physics; explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; quantum, atomic and nuclear physics; facilitates inquiry-based learning designed to develop scientific critical thinking and reasoning skills	11	12
2019-2020	220061	Chemistry	NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	220062	Chemistry, Honors	NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Advanced investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life.	09	12
2019-2020	220063	Chemistry, Advanced Level	NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Advanced investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life.	09	12
2019-2020	220064	Chemistry, AP	PREREQUISITE: THE COLLEGE BOARD RECOMMENDS THAT THE AP CHEMISTRY COURSE IS DESIGNED TO BE TAKEN AFTER THE SUCCESSFUL COMPLETION OF A FIRST COURSE IN HIGH SCHOOL CHEMISTRY AND A SECOND-YEAR ALGEBRA COURSE. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for chemistry; atomic theory and structure; chemical bonding; nuclear chemistry; gases; liquids and solids; solutions; reaction types; stoichiometry; equilibrium; kinetics; thermodynamics	11	12
2019-2020	220065	Chemistry, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on chemistry content including an application of scientific methods by which students develop an ability to analyze, evaluate, and synthesize scientific information.	11	12
2019-2020	220066	Chemistry, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on chemistry content including an application of scientific methods by which students develop an ability to analyze, evaluate, and synthesize scientific information.	11	12
2019-2020	220067	Research and Design in Chemistry	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY, "A PHYSICAL SCIENCE", OR THE 2 ADDITIONAL SCIENCE REQUIREMENTS. Scientific process and application skills; independent study; safety issues and research protocols; controlling/manipulating variables; statistical analysis and display of data; design and completion of inquiry project; scientific paper; competition in fairs and paper symposia; computer application; laboratory-based; technology	09	12
2019-2020	220068	Other SDE Approved Chemistry Elective	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Courses developed locally and submitted to SDE for approval; a chemistry elective not described in this listing of chemistry elective courses	09	12
2019-2020	220069	Physics C: Mechanics, AP	PREREQUISITE: THE COLLEGE BOARD RECOMMENDS THAT THIS IS A ONE-SEMESTER COURSE AND RECOMMENDS TEACHING AP PHYSICS C: MECHANICS THE FIRST SEMESTER AND AP PHYSICS C: ELECTRICITY AND MAGNETISM THE SECOND SEMESTER. College-level advanced physics course following the curriculum established by the College Board Advanced Placement (AP) Program for physics; this course should provide instruction in Newton's laws of motion; work, energy and power, systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	220071	Physics	NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Detailed exploration of properties of physical matter, physical quantities, motion and stability, energy, and waves and their applications for information transfer through authentic investigations and engineering design processes.	09	12
2019-2020	220072	Physics, Honors	NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Advanced detailed exploration of properties of physical matter, physical quantities, motion and stability, energy, and waves and their applications for information transfer through authentic investigations and engineering design processes.	09	12
2019-2020	220073	Physics, Advanced Level	NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Advanced detailed exploration of properties of physical matter, physical quantities, motion and stability, energy, and waves and their applications for information transfer through authentic investigations and engineering design processes.	09	12
2019-2020	220075	Physics C: Electricity and Magnetism, AP	PREREQUISITE: THE COLLEGE BOARD RECOMMENDS THAT THIS IS A ONE-SEMESTER COURSE AND RECOMMENDS TEACHING AP PHYSICS C: MECHANICS THE FIRST SEMESTER AND AP PHYSICS C: ELECTRICITY AND MAGNETISM THE SECOND SEMESTER. College-level advanced physics course following the curriculum established by the College Board Advanced Placement (AP) Program for physics; this course should provide instruction in electrostatics; conductors; capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism	11	12
2019-2020	220076	Physics, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on physics content including an application of scientific methods by which students develop an ability to analyze, evaluate and synthesize scientific information.	11	12
2019-2020	220077	Physics, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on physics content including an application of scientific methods by which students develop an ability to analyze, evaluate, and synthesize scientific information.	11	12
2019-2020	220078	Research and Design in Physics	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY," A PHYSICAL SCIENCE", OR THE 2 ADDITIONAL SCIENCE REQUIREMENTS Scientific process and application skills; independent study; safety issues and research protocols; controlling/manipulating variables; statistical analysis and display of data; design and completion of inquiry project; scientific paper; competition in fairs and paper symposia; computer application; laboratory-based; technology.	09	12
2019-2020	220079	Other SDE Approved Physics Elective	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Courses developed locally and submitted to SDE for approval; a physics elective not described in this listing of physics elective courses	09	12
2019-2020	220081	Earth and Space Science	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Comprehensive application of all science disciplines with focus on concepts of the universe and its Stars, Earth and the solar system, history of planet Earth, Earth's materials and systems, plate tectonics, large-scale system interactions, the roles of water in Earth's surface processes, weather and climate, and biogeology; includes integration of engineering, technology and application of science core ideas.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	220082	Earth and Space Science, Honors	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Advanced comprehensive application of all science disciplines with focus on concepts of the universe and its Stars, Earth and the solar system, history of planet Earth, Earth's materials and systems, plate tectonics, large-scale system interactions, the roles of water in Earth's surface processes, weather and climate, and biogeology; includes integration of engineering, technology and application of science core ideas.	09	12
2019-2020	220083	Earth and Space Science, Advanced Level	REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Advanced comprehensive application of all science disciplines with focus on concepts of the universe and its Stars, Earth and the solar system, history of planet Earth, Earth's materials and systems, plate tectonics, large-scale system interactions, the roles of water in Earth's surface processes, weather and climate, and biogeology; includes integration of engineering, technology and application of science core ideas.	09	12
2019-2020	220087	Other SDE Approved Earth and Space Science Elective	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Courses developed locally and submitted to SDE for approval; an earth and space science elective not described in this listing of earth and space science elective courses.	09	12
2019-2020	220088	ALSDE approved Life Science Electives, Grades 9-12	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR A "PHYSICAL SCIENCE". FULFILLS ONE OF THE TWO ADDITIONAL SCIENCE REQUIREMENTS. Life Science courses developed locally and submitted to SDE for approval as ONE OF THE FOUR REQUIRED courses for graduation.	09	12
2019-2020	220089	ALSDE approved Physical Science Electives, Grades 9-12	NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR A "PHYSICAL SCIENCE". FULFILLS ONE OF THE TWO ADDITIONAL SCIENCE REQUIREMENTS. Physical Science courses developed locally and submitted to SDE for approval as ONE OF THE FOUR REQUIRED courses for graduation.	09	12
2019-2020	220090	Science Intervention, Grades 7-12	NOTE: DOES NOT FULFILL ANY OF THE FOUR REQUIRED SCIENCE CREDITS FOR GRADUATION. Remediation in the disciplinary core ideas of life, physical, and earth sciences including integration of science and engineering practices and crosscutting concepts.	07	12
2019-2020	220095	Design, MYP, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. MYP Level. Apply practical and creative-thinking skills to solve design problems; explore the role of design in historical and contemporary contexts; and raise awareness of responsibilities when making design decisions and taking action; inquiry and problem-solving using the design cycle as a tool.	06	10
2019-2020	220096	Design Technology, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Emphasis on the content of design technology including an application of scientific methods by which students develop an ability to analyze, evaluate, and synthesize scientific information.	11	12
2019-2020	220097	Design Technology, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE". Emphasis on the content of design technology including an application of scientific methods by which students develop an ability to analyze, evaluate, and synthesize scientific information.	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	220098	Computer Science, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on computational thinking which lies at the heart of the course and is integrated with other topics; designated by the IB program as an experimental science alongside biology, chemistry, etc.; topics are supported by practical activities including programming.	11	12
2019-2020	220099	Computer Science, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on computational thinking which lies at the heart of the course and is integrated with other topics; designated by the IB program as an experimental science alongside biology, chemistry, etc.; topics are supported by practical activities including programming.	11	12
2019-2020	220100	Sports, Exercise, and Health Science, SL, IB	NOTE: THIS COURSE IS APPLICABLE ONLY WHEN ADMINISTERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content that explores the concepts, theories, models, and techniques that underpin the subject areas of sports, exercise, and health in the framework of the scientific method.	11	12
2019-2020	230001	Geography (Grade 7, Semester Course)	Cultural geography emphasizing Eastern Hemisphere; places and regions; physical systems; human systems; relationships between people and their environment	07	07
2019-2020	230002	Geography, Honors/Advanced Level (Grade 7, Semester Course)	Advanced work in cultural geography emphasizing Eastern Hemisphere; places and regions; physical systems; human systems; relationships between people and their environment	07	07
2019-2020	230003	Civics (Grade 7, Semester Course)	U.S. founding documents; representative democracy; law; personal finance; U.S. political system; civic participation and responsibility	07	07
2019-2020	230004	Civics , Honors/Advanced Level (Grade 7, Semester Course)	Advanced work in the U.S. founding documents; representative democracy; law; personal finance; U.S. political system; civic participation and responsibility	07	07
2019-2020	230011	World History to 1500 (Grade 8 Course)	Chronological history of the world: survey of early and classical civilizations; world expansion of agrarian and commercial civilizations from beginnings to 1500	08	08
2019-2020	230012	World History to 1500, Honors/Advanced Level (Grade 8 Course)	Advanced work in the chronological history of the world: survey of early and classical civilizations; world expansion of agrarian and commercial civilizations from the beginnings to 1500	08	08
2019-2020	230013	World History: 1500 to Present (Grade 9 Course)	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	09	12
2019-2020	230014	World History: 1500 to Present, Honors (Grade 9 Course)	Advanced work in the chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present	09	12
2019-2020	230015	World History: 1500 to Present, Advanced Level (Grade 9 Course)	Advanced work in the chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present	09	12
2019-2020	230016	United States History I: Beginnings to the Industrial Revolution (Grade 10 Course)	Chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events	09	12
2019-2020	230017	United States History I: Beginnings to the Industrial Revolution, Honors (Grade 10 Course)	Advanced work in the chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	230018	United States History I: Beginnings to the Industrial Revolution, Advanced Level (Grade 10 Course)	Advanced work in the chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events	09	12
2019-2020	230019	United States History II: The Industrial Revolution to the Present (Grade 11 Course)	Chronological survey of major events and issues: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States; Alabama's history and geographic changes that have influenced aspects of life during and after events	09	12
2019-2020	230020	United States History II: The Industrial Revolution to the Present, Honors (Grade 11 Course)	Advanced work in the chronological survey of major events and issues: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States; Alabama's history and geographic changes that have influenced aspects of life during and after events	09	12
2019-2020	230021	United States History II: The Industrial Revolution to the Present, Advanced Level (Grade 11 Course)	Advanced work in the chronological survey of major events and issues: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States; Alabama's history and geographic changes that have influenced aspects of life during and after events	09	12
2019-2020	230022	United States History, AP	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for United States history	11	12
2019-2020	230027	World History, AP	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for world history	11	12
2019-2020	230029	European History, AP	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for European history	11	12
2019-2020	230032	History Elective, Grades 9-12	NOTE: DOES NOT FULFILL ANY OF THE SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Courses developed locally; a history elective not described in this listing of history elective courses.	09	12
2019-2020	230033	History, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on an understanding of history as a discipline, including the nature and diversity of its sources, methods, and interpretations; enables students to think critically in their reflection of the past.	11	12
2019-2020	230034	History, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on an understanding of history as a discipline, including the nature and diversity of its sources, methods, and interpretations; enables students to think critically in their reflection of the past.	11	12
2019-2020	230035	College Board Approved Pre-AP World History and Geography	COURSE MAY ONLY BE OFFERED WITH APPROVAL FROM COLLEGE BOARD AND ALSDE. The course is built around three enduring ideas to create an engaging and relevant social studies course: History is an interrelated story of the world; history and geography are inherently dynamic; and historians and geographers are investigators. Emphasis is on evaluating evidence with focus on incorporating evidence, through regular practice with explaining historical relationships. Students acquire knowledge by evaluating evidence from a wide range of primary and secondary sources; demonstrate command of quantitative, qualitative, and spatial data by effectively incorporating them into written and oral arguments; and explain relationships among events and people by marshalling evidence for causality, correlation, continuity, and change over time.	08	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	230041	United States Government (Semester Course)	Origins, functions, and branches of U. S. government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; foreign policy	09	12
2019-2020	230042	United States Government, Honors (Semester Course)	Advanced work in the government's origins, functions, and branches of U. S. government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; foreign policy	09	12
2019-2020	230043	United States Government, Advanced Level (Semester Course)	Advanced work in the government's origins, functions, and branches of U. S. government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; foreign policy	09	12
2019-2020	230044	Comparative Government and Politics, AP	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for comparative government and politics	11	12
2019-2020	230047	United States Government and Politics, AP	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for U. S. government and politics	11	12
2019-2020	230048	Government Elective, Grades 9-12	NOTE: DOES NOT FULFILL ANY OF THE SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Courses developed locally; a government elective not described in this listing of government elective courses.	09	12
2019-2020	230051	Economics (Semester Course)	Basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank	09	12
2019-2020	230052	Economics, Honors (Semester Course)	Basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank	09	12
2019-2020	230053	Economics, Advanced Level (Semester Course)	Basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank	09	12
2019-2020	230054	Macroeconomics, AP	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for macroeconomics; basic economic concepts; measurement of economic performance; national income and price determination; financial sector; inflation, unemployment, and stabilization policies; economic growth and productivity; open economy; international trade and finance	11	12
2019-2020	230055	Microeconomics, AP	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for microeconomics; basic economic concepts; the nature and functions of product markets; factor markets; market failure and the role of government	11	12
2019-2020	230056	Economics, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the content of economics including students' development of a critical appreciation of human experience and behavior; varieties of physical, economic, and social environments that people inhabit; and, the history of social and cultural institutions	11	12
2019-2020	230057	Economics, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the content of economics including students' development of a critical appreciation of human experience and behavior; varieties of physical, economic, and social environments that people inhabit; and, the history of social and cultural institutions	11	12
2019-2020	230058	Economics Elective, Grades 9-12	Courses developed locally and submitted to SDE for approval; an economics elective not described in this listing of economic elective courses; does not fulfill any of the social studies credits required for graduation	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	230059	Business and Management, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on how business decision-making processes impact on and are affected by internal and external environments; designed to develop an understanding of business theory, as well as an ability to apply business principles, practices, and skills.	11	12
2019-2020	230060	Business and Management, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on how business decision-making processes impact on and are affected by internal and external environments; designed to develop an understanding of business theory, as well as an ability to apply business principles, practices, and skills.	11	12
2019-2020	230061	World Geography	Major world geographic areas; interrelationships between people and habitat; political, social, cultural, and economic geography	09	12
2019-2020	230062	Human Geography, AP	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for human geography	09	12
2019-2020	230063	Geography, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on an integration of both physical and human geography and ensures, that students acquire elements of both scientific and socio-economic methodologies; promotes an appreciation of, and a respect for, alternative approaches, viewpoints, and ideas.	11	12
2019-2020	230064	Geography, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on an integration of both physical and human geography and ensures that students acquire elements of both scientific and socio-economic methodologies; promotes an appreciation of, and aa respect for, alternative approaches, viewpoints, and ideas.	11	12
2019-2020	230065	Geography Elective, Grades 9-12	NOTE: DOES NOT FULFILL ANY OF THE SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Courses developed locally; a geography elective not described in this listing of geography elective courses.	09	12
2019-2020	230066	Human Geography	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Survey of the nature of human geography through population studies, characteristics and distribution of cultural mosaics, spatial patterns of economic interactions, human settlement, and division of Earth's surface through forces of cooperation and conflict	09	12
2019-2020	230071	Psychology	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. 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	09	12
2019-2020	230072	Psychology, AP	DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for psychology	11	12
2019-2020	230073	Psychology, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the content psychology including students' development of a critical appreciation of human experience and behavior; the varieties of physical, economic, and social environments that people inhabit; and, the history of social and cultural institutions	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	230074	Psychology, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the content of psychology including students' development of a critical appreciation of human experience and behavior; the varieties of physical, economic, and social environments that people inhabit; and, the history of social and cultural institutions	11	12
2019-2020	230081	Sociology	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Culture and society; social inequalities; social institutions; social change	09	12
2019-2020	230082	Anthropology	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Cultural origins; cultural behaviors; race, religion, sex roles, institutions, and economic status; ethnology and linguistics	09	12
2019-2020	230083	Social and Cultural Anthropology, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content relating to social and cultural anthropology including students' development of a critical appreciation of human experience and behavior; the varieties of physical, economic, and social environments that people inhabit; and, the history of social and cultural institutions	11	12
2019-2020	230084	Social and Cultural Anthropology, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content relating to social and cultural anthropology including students' development of a critical appreciation of human experience and behavior; the varieties of physical, economic, and social environments that people inhabit; and, the history of social and cultural institutions	11	12
2019-2020	230088	AP Research	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED AP CAPSTONE PROGRAM. College-level foundational course following the curriculum established by the College Board Advanced Placement (AP) Program; students explore an academic topic, problem, or issue of individual interest and design, plan, and conduct a yearlong mentored, research-based investigation to address a research question. Course culminates in an academic thesis paper and a presentation, performance, or exhibition with an oral defense. Prerequisite: AP Seminar	12	12
2019-2020	230089	AP Seminar	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED AP CAPSTONE PROGRAM. College-level foundational course following the curriculum established by the College Board Advanced Placement (AP) Program; provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media; facilitates the exploration of real-world issues through cross-curricular lens; considers multiple points of view to develop deep understanding of complex issues and topics as connections are made between issues and students' own lives	11	12
2019-2020	230091	Comparative Religion	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. History and comparison of major world religions	09	12
2019-2020	230092	Philosophy	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Elementary logic; study of famous philosophers; Plato; Aristotle; Descartes	09	12
2019-2020	230093	Ethics	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Study of what is right or good conduct	09	12
2019-2020	230094	Logic	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Principles of argumentation and logical reasoning; analysis and interpretation of data	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	230095	Theory of Knowledge, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT THERE IS NO STANDARD LEVEL (SL) OR HIGHER LEVEL (HL) DESIGNATION FOR THIS COURSE. An interdisciplinary IB course requirement that includes philosophical content intended to stimulate critical and analytical reflection on knowledge across all disciplines and to encourage an appreciation of other cultural perspectives	11	12
2019-2020	230096	Philosophy, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content developing students' ability to formulate arguments in a sound and purposeful way, encouraging students to develop intellectually independent and creative ways of thinking; concerned with clarity of understanding achieved through critical and systematic thinking, careful analysis of arguments, the study of philosophical texts, and a close reading of philosophical texts.	11	12
2019-2020	230097	Philosophy, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content developing students' ability to formulate arguments in a sound and purposeful way, encouraging students to develop intellectually independent and creative ways of thinking; concerned with clarity of understanding achieved through critical and systematic thinking, careful analysis of arguments, the study of philosophical texts, and a close reading of philosophical texts.	11	12
2019-2020	230098	World Religions, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content which seeks to promote an awareness of religious issues in the contemporary world by requiring the study of a diverse range of religions; offers a systematic, analytical yet empathetic study of the variety of beliefs and practices encountered in the nine main religions of the world.	11	12
2019-2020	230105	IBCC Core, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) CAREER-RELATED PROGRAMME. Emphasis on developing a student's critical thinking, intercultural understanding, communication, and personal development; consists of community and service projects, a reflective project, and language development (other than a student's native language).	11	12
2019-2020	230201	Contemporary World Issues and Civic Engagement	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Current issues from historical and geographical perspectives; knowledge of key contemporary personalities and events that impact lives	09	12
2019-2020	230204	Information Technology in a Global Society, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content based on three interconnected strands: social and ethical significance, application to specified scenarios, and information technology (IT) systems; uses an integrated approach, encouraging students to make informed judgments and decisions about the role of information and communication technologies in contemporary society.	11	12
2019-2020	230205	Information Technology in a Global Society, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content based on three interconnected strands: social and ethical significance, application to specified scenarios, and information technology (IT) systems; uses an integrated approach, encouraging students to make informed judgments and decisions about the role of information and communication technologies in contemporary society.	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	230211	Social Studies Intervention, Grades 7-12	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Remedial work in social studies	07	12
2019-2020	230212	Other Social Studies Electives	NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION. Courses developed locally; a social studies elective not described in this listing of social studies elective courses.	07	12
2019-2020	230213	History of Europe and the Islamic World, 500-1570, I, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the history of Europe and the Islamic World, 500-1570	11	12
2019-2020	230214	History of Europe and the Islamic World, 500-1570, I, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the history of Europe and the Islamic World, 500-1570	11	12
2019-2020	230215	History of Europe and the Islamic World, 500-1570, II, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the history of Europe and the Islamic World, 500-1570	11	12
2019-2020	230216	History of Europe and the Islamic World, 500-1570, II, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on the history of Europe and the Islamic World, 500-1570	11	12
2019-2020	230217	20th Century World History I, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on 20th Century international relations	11	12
2019-2020	230218	20th Century World History I, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on 20th Century international relations	11	12
2019-2020	230219	20th Century World History II, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on 20th Century international relations	11	12
2019-2020	230220	20th Century World History II, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on 20th Century international relations	11	11
2019-2020	240001	Physical Education, (Grades 7-8)	Skill execution as opposed to the acquisition of skills which are integrated into games, sports, rhythms, and gymnastics	07	08
2019-2020	240002	Lifelong Individualized Fitness Education (LIFE), Grades 9-12	NOTE: THIS IS THE ONLY COURSE THAT FULFILLS THE GRADUATION REQUIREMENT FOR PHYSICAL EDUCATION. Individualized fitness plan for lifetime fitness	09	12
2019-2020	240011	Sports Officiating Certification	This course is an elective course that focuses on the professional philosophy, and professional requirements for officiating sports for athletic contests. This course will cover officiating football, basketball, wrestling, volleyball, soccer, baseball, track and field, and softball. Upon completion of the course students will be afforded the option to take certification exams for any of the sport components to become a restricted certified official with the Alabama High School Athletic Association at the middle/junior high school level. The prerequisite for this course is Lifelong Individualized Fitness Education (LIFE) or its equivalent. The student must be age 16 or older, or turn age 16 during the academic school year. The teacher of this course must hold current registration as an Alabama High School Athletic Association official (any sport).	10	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	240012	Adventure and Cooperative Activities	Elective class that will allow students to progress through an experience-based program that emphasizes interpersonal relationships and individual growth. This course encourages students to develop greater self-confidence while acquiring a sense of commitment to and trust in their classmates. It is designed to expose students to a variety of outdoor skills. Prerequisite: Beginning Kinesiology	09	12
2019-2020	240014	Strength and Conditioning	Elective course that will give students the tools and resources needed to be physically fit and healthy for a lifetime. This course is a stand-alone course open to all students. It is not part of, nor may it be combined with, varsity athletics. Prerequisite: Beginning Kinesiology.	09	12
2019-2020	240016	Life Sports: Individual, Dual, and Team	Elective course that gives students basic knowledge of individual, dual, and team sports. Students will progressively learn skills and game strategies for each sport, as well as historical background and terminology. Prerequisite: Beginning Kinesiology	09	12
2019-2020	240017	Varsity Baseball I	This course covers freshman level baseball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240018	Varsity Baseball II	This course covers sophomore level baseball techniques. Emphasis is placed on developing more advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240019	Varsity Baseball III	This course covers junior level baseball techniques. Emphasis is placed on developing higher levels advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240020	Varsity Baseball IV	This course covers senior level baseball techniques. Emphasis is placed on the highest skills and developing more advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240021	Varsity Basketball I	This course covers freshman fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive basketball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240022	Varsity Basketball II	This course covers sophomore level fundamentals of basketball. Emphasis is placed on the refinement of skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive basketball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240023	Varsity Basketball III	This course covers junior level fundamentals of basketball. Emphasis is placed on developing higher levels advanced strategies and techniques. Upon completion, students should be able to participate in competitive basketball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	240024	Varsity Basketball IV	This course covers senior level advanced fundamentals of basketball. Emphasis is placed on the highest skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive basketball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240025	Varsity Cheerleading I	This course covers freshman level cheerleading techniques. Emphasis is placed on developing skills, strategies, and techniques. Upon completion, students should be able to participate on a cheerleading squad. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240026	Varsity Cheerleading II	This course covers sophomore cheerleading techniques. Emphasis is placed on refining skills and developing more strategies and techniques on a cheerleading squad. Upon completion, students should be able to participate in competitive cheerleading. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240027	Varsity Cheerleading III	This course covers more advanced cheerleading techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate on a cheerleading squad. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240028	Varsity Cheerleading IV	This course covers senior level cheerleading techniques. Emphasis is placed on high level skills and the highest level of advanced strategies and techniques. Upon completion, students should be able to participate on a cheerleading squad. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240029	Varsity Cross Country I	This course covers freshman cross country techniques. Emphasis is placed on developing skills and strategies and techniques. Upon completion, students should be able to participate in competitive cross country. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240030	Varsity Cross Country II	This course covers sophomore cross country techniques. Emphasis is placed on refining skills and developing strategies and techniques. Upon completion, students should be able to participate in competitive cross country. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240031	Varsity Cross Country III	This course covers junior level cross country techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive cross country. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240032	Varsity Cross Country IV	This course covers senior advanced cross country techniques. Emphasis is placed on the highest level of skills, advanced strategies, and techniques. Upon completion, students should be able to participate in competitive cross country. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	240033	Varsity Football I	This course covers freshman level fundamentals of football. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive football. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240034	Varsity Football II	This course covers sophomore level fundamentals of football. Emphasis is placed on refining skills and developing strategies and techniques. Upon completion, students should be able to participate in competitive football. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240035	Varsity Football III	This course covers junior level fundamentals of football. Emphasis is placed on advanced skill development, knowledge of the rules, and game strategy. Upon completion, students should be able to participate in competitive football. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240036	Varsity Football IV	This course covers senior level advanced fundamentals of football. Emphasis is placed on advanced skills, through understanding of the rules, and game strategy. Upon completion, students should be able to participate in competitive football. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240037	Varsity Golf I	This course covers freshman level phases of golf. Emphasis is placed on refining the fundamental skills and learning more phases of the game such as club selection, trouble shots, and course management. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240038	Varsity Golf II	This course covers sophomore level of golf. Emphasis is placed on refining the fundamental skills and learning more phases of the game. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240039	Varsity Golf III	This course covers the junior levels of golf. Emphasis is placed on fundamental skills and learning more advanced phases of the game. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240040	Varsity Golf IV	This course covers senior level advanced golf. Emphasis is placed on advanced skills and learning more advanced phases of the games. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240041	Varsity Soccer I	This course covers freshman fundamentals of soccer. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive soccer. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	240042	Varsity Soccer II	This course covers sophomore fundamentals of soccer. Emphasis is placed on continuing skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive soccer. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240043	Varsity Soccer III	This course covers junior level fundamentals of soccer. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive soccer. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240044	Varsity Soccer IV	This course covers senior level advanced fundamentals of soccer. Emphasis is placed on advanced skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive soccer. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240045	Varsity Softball I	This course covers freshman fundamentals of softball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive softball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240046	Varsity Softball II	This course covers sophomore fundamentals of softball. Emphasis is placed on continuing skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive softball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240047	Varsity Softball III	This course covers junior level fundamentals of softball. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive softball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240048	Varsity Softball IV	This course introduces the fundamental skills and rules of softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, students should be able to play competitive softball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240049	Varsity Swimming I	This course covers freshman fundamentals of swimming. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive swimming. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240050	Varsity Swimming II	This course covers sophomore fundamentals of swimming. Emphasis is placed on continuing skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive swimming. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	240051	Varsity Swimming III	This course covers junior level fundamentals of swimming. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive swimming. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240052	Varsity Swimming IV	This course introduces the advanced senior level skills and rules of swimming. Emphasis is placed on proper techniques and strategies for playing swimming. Upon completion, students should be able to play competitive swimming. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240053	Varsity Tennis I	This course covers freshman fundamentals of tennis. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive tennis. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240054	Varsity Tennis II	This course covers sophomore fundamentals of tennis. Emphasis is placed on continuing skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive tennis. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240055	Varsity Tennis III	This course covers junior level fundamentals of tennis. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive tennis. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240056	Varsity Tennis IV	This course introduces the advanced senior level skills and rules of tennis. Emphasis is placed on proper techniques and strategies for playing tennis. Upon completion, students should be able to play competitive tennis. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240057	Varsity Track and Field I	This course covers freshman fundamentals of track and field. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive track and field. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240058	Varsity Track and Field II	This course covers more advanced track and field techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive track and field events. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240059	Varsity Track and Field III	This course covers junior level fundamentals of track and field. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive track and field. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	240060	Varsity Track and Field IV	This course introduces the advanced senior level skills and rules of track and field. Emphasis is placed on proper techniques and strategies for playing tennis. Upon completion, students should be able to play competitive track and field. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240061	Varsity Volleyball I	This course covers freshman fundamentals of volleyball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive volleyball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240062	Varsity Volleyball II	This course covers more advanced volleyball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive volleyball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240063	Varsity Volleyball III	This course covers junior level fundamentals of volleyball. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive volleyball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240064	Varsity Volleyball IV	This course introduces the advanced senior level skills and rules of volleyball. Emphasis is placed on proper techniques and strategies for playing volleyball. Upon completion, students should be able to play competitive field. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240065	Varsity Wrestling I	This course covers freshman fundamentals of wrestling. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive wrestling. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240066	Varsity Wrestling II	This course covers more advanced wrestling techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive wrestling. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240067	Varsity Wrestling III	This course covers junior level fundamentals of wrestling. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive wrestling. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240068	Varsity Wrestling IV	This course introduces the advanced senior level skills and rules of wrestling. Emphasis is placed on proper techniques and strategies for playing wrestling Upon completion, students should be able to play competitive field. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	240069	ALSDE Approved Physical Education Elective, Grades 10-12	NOTE: ELECTIVE COURSES DO NOT FULFILL OR SUBSTITUTE FOR THE REQUIRED PHYSICAL EDUCATION CREDIT. Appropriate after the completion of the required LIFE course standards from the 2009 Alabama Physical Education Course of Study. LEA electives using this code must have course prior approval from the ALSDE.	10	12
2019-2020	240070	Varsity Gymnastics I	This course covers novice gymnastics techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Gymnastics. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240071	Varsity Gymnastics II	This course covers intermediate gymnastics techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Gymnastics. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240072	Varsity Gymnastics III	This course covers more advanced gymnastics techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Gymnastics. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240073	Varsity Gymnastics IV	This course covers expert gymnastics techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Gymnastics. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240074	Varsity Bowling I	This course covers novice advanced bowling techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Bowling. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240075	Varsity Bowling II	This course covers intermediate bowling techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Bowling. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240076	Varsity Bowling III	This course covers advanced bowling techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Bowling. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240077	Varsity Bowling IV	This course covers advanced bowling techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Bowling. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	240078	Varsity Casting, Angling, Fishing I	This course covers novice casting, angling, and fishing techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Casting, Angling, Fishing. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240079	Varsity Casting, Angling, Fishing II	This course covers intermediate casting, angling, and fishing techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Casting, Angling, Fishing. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240080	Varsity Casting, Angling, Fishing III	This course covers more advanced casting, angling, and fishing gymnastics techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Casting, Angling, Fishing. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240081	Varsity Casting, Angling, Fishing IV	This course covers expert casting, angling, and fishing techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive Casting, Angling, Fishing. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2019-2020	240090	Beginning Kinesiology	NOTE: THIS IS THE ONLY COURSE THAT FULFILLS THE GRADUATION REQUIREMENT FOR PHYSICAL EDUCATION. Stand-alone course which encompasses the basic concepts of athletics and fitness, and introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. Highly recommended that students take Beginning Kinesiology in Grade 9. Prerequisite for all physical education elective courses.	09	12
2019-2020	240091	Advanced Kinesiology	Elective course that covers the knowledge base of kinesiology, the importance of physical activity in daily life, and the different career paths associated with a degree in kinesiology. This class is for students who wish to pursue a career as a physical education teacher, athletic, trainer, physical therapist, personal trainer, movement-related research specialist, or other careers related to health, fitness, and sports. Prerequisite: Beginning Kinesiology	10	12
2019-2020	250001	Health, Grades 7-8	Develops an understanding of health issues and personal responsibilities related to adolescent growth and development	07	08
2019-2020	250002	Health, Grades 9-12	Develops skill for accessing personal health information	09	12
2019-2020	250003	Health Elective, Grades 10-12	Courses developed locally and submitted to SDE for approval; a health elective not described in this listing of health elective courses; does not fulfill the ½ health credit required for graduation	10	12
2019-2020	250010	Leaders in Health Advocacy	Provides an opportunity for students in Grades 10-12 to become advocates for themselves, their peers, and society as a whole by engaging in activities that promote personal and community health. The class assists the school in meeting the state mandates of character education, Erin's Law, HIV/AIDS requirements, and the Jason Flatt Act through peer helping and student-led planning of schoolwide awareness, education, and prevention activities. Prerequisite: Health Education	11	12
2019-2020	250011	World Health	Introduction to the important health challenges facing the world of global health: the burden of disease, health care cost-effectiveness, and health-care systems. Prerequisite: Health Education	10	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	260001	Technology Education, Grades 7-8	Basic troubleshooting strategies; basic features of word processing, spreadsheets, databases; keyboarding techniques; safe uses of social networking; digital file transfer	07	08
2019-2020	260003	Computer Science Elective, Grades 7-12	Elective course developed locally	07	12
2019-2020	260005	Web Design I	Web Design I enables the student to become a Web Design Intern for a virtual company called Education Designs. The student will use the same computer each day and will have access to storage space on that computer. The student will learn Internet basics, HTML, and the file structure of a well-organized Web site. Visually interesting Web pages will be developed using clear text, complimentary colors, visual assets, and appealing designs. The student will learn how to navigate the Internet to build a Web site with useful and well-researched information. The Web pages developed can be used as information sources for other Internet users.	10	12
2019-2020	260006	Web Design II	This course takes the student through the entire Web site construction process from planning, through creating the structure, to adding the final graphics to enhance the completed design. The student will use the same computer each day and will have access to storage space on that computer. The students will learn how to create a storyboard or blueprint for a Web site; learn about Web site navigation, style sheets, graphic creation, digital image optimization, security, and server hosting; and learn how to work in teams, with specific tasks assigned to individual team members. Freeware products are used for Web site creation and management.	11	12
2019-2020	270001	Chinese Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Chinese-speaking cultures	07	07
2019-2020	270002	Chinese Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Chinese-speaking cultures	08	08
2019-2020	270003	Chinese 1	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Chinese-speaking cultures	08	12
2019-2020	270004	Chinese 2	Listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of Chinese-speaking cultures	08	12
2019-2020	270005	Chinese 3	Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of Chinese-speaking cultures	08	12
2019-2020	270006	Chinese 4	Communication skills including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating compositions through the use of poetry or prose; extensive understanding of Chinese-speaking cultures	08	12
2019-2020	270007	Chinese, Language & Culture, AP	College-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for Chinese; performance in listening, speaking, reading, and writing for a variety of situations with emphasis on vocabulary, structure, fluency, and accuracy; extensive writing of compositions; extensive understanding of the Chinese-speaking culture	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270008	Chinese, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT AB INITIO COURSES ARE AVAILABLE ONLY AT STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E., STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on language content that introduces and initiates IB students into the rigors and scope of the Chinese language and culture program; study of Chinese grammar including selections of Chinese literature.	11	12
2019-2020	270009	Chinese, B, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Chinese grammar, selections of literature, and culture for students for whom Chinese is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270010	Chinese, B, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Chinese grammar, selections of literature, and culture for students for whom Chinese is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270013	Chinese Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Chinese-speaking cultures	08	12
2019-2020	270021	French Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures	07	07
2019-2020	270022	French Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures	08	08
2019-2020	270023	French 1	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of French-speaking cultures	08	12
2019-2020	270024	French 2	Listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of French-speaking cultures	08	12
2019-2020	270025	French 3	Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of French-speaking cultures	08	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270026	French 4	Listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating literary compositions; extensive understanding of French-speaking cultures	08	12
2019-2020	270027	French Language and Culture, AP	College-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for French; performance in listening, speaking, reading, and writing for a variety of situations with emphasis on vocabulary, structure, fluency, and accuracy; extensive writing of compositions	11	12
2019-2020	270028	French, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT AB INITIO COURSES ARE AVAILABLE ONLY AT STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E., STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on language content that introduces and initiates IB students into the rigors and scope of the French language and culture program; study of French grammar including selections of French literature.	11	12
2019-2020	270029	French, B, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on French grammar, selections of literature, and culture for students for whom French is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270030	French, B, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on French grammar, selections of literature, and culture for students for whom French is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270033	French Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of French-speaking cultures	08	12
2019-2020	270041	German Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures	07	07
2019-2020	270042	German Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures	08	08
2019-2020	270043	German 1	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of German-speaking cultures	08	12
2019-2020	270044	German 2	Listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of German-speaking cultures	08	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270045	German 3	Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of German-speaking cultures	08	12
2019-2020	270046	German 4	Listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating compositions using poetry or prose; extensive understanding of German-speaking cultures	08	12
2019-2020	270047	German Language and Culture, AP	College-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for German; performance in listening, speaking, reading, and writing for a variety of situations with emphasis on vocabulary, structure, fluency, and accuracy; extensive writing of compositions	11	12
2019-2020	270048	German, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT AB INITIO COURSES ARE AVAILABLE ONLY AT STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E., STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on language content that introduces and initiates IB students into the rigors and scope of the German language and culture program; study of German grammar including selections of German literature.	11	12
2019-2020	270049	German, B, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on German grammar, selections of literature, and culture for students whom German is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270050	German, B, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL 2016. Emphasis on German grammar, selections of literature, and culture for students for whom German is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270053	German Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of German-speaking cultures	08	12
2019-2020	270054	Classical Greek, ab initio, SL, IB	NOTE: THIS COURSE IS APPLICABLE ONLY WHEN ADMINISTERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content that explores the language, literature, and culture of ancient Greece.	11	12
2019-2020	270055	Classical Greek, B, SL, IB	NOTE: THIS COURSE IS APPLICABLE ONLY WHEN ADMINISTERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content that explores the language, literature, and culture of ancient Greece.	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270056	Classical Greek, B, HL, IB	NOTE: THIS COURSE IS APPLICABLE ONLY WHEN ADMINISTERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on content that explores the language, literature, and culture of ancient Greece.	11	12
2019-2020	270059	Modern Greek Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Greek-speaking cultures	07	07
2019-2020	270060	Modern Greek Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and respond to simple expressions; writing using learned vocabulary; introduction to Greek-speaking cultures	08	08
2019-2020	270061	Modern Greek 1	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of the Greek-speaking culture	08	12
2019-2020	270062	Modern Greek 2	Listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of the Greek-speaking culture	08	12
2019-2020	270063	Modern Greek, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT AB INITIO COURSES ARE AVAILABLE ONLY AT STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E., STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on language content that introduces and initiates IB students into the rigors and scope of the Modern Greek language and culture program; study of Modern Greek grammar including selections of Modern Greek literature.	11	12
2019-2020	270064	Modern Greek, B, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Modern Greek grammar, selections of literature, and culture for students for whom Modern Greek is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270065	Modern Greek, B, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Modern Greek grammar, selections of literature, and culture for students for whom Modern Greek is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270068	Modern Greek Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Modern Greek-speaking cultures	08	12
2019-2020	270069	Italian Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Italian-speaking cultures	07	07

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270070	Italian Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Italian-speaking cultures	08	08
2019-2020	270071	Italian 1	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of the Italian-speaking culture	08	12
2019-2020	270072	Italian 2	Listening and speaking skills including understanding and responding to directions, commands, and questions; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of the Italian-speaking culture	08	12
2019-2020	270073	Italian, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT AB INITIO COURSES ARE AVAILABLE ONLY AT STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E., STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on language content that introduces and initiates IB students into the rigors and scope of the Italian language and culture program; study of Italian grammar including selections of Italian literature.	11	12
2019-2020	270074	Italian, B, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Italian grammar, selections of literature, and culture for students for whom Italian is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270075	Italian, B, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL 2016. Emphasis on Italian grammar, selections of literature, and culture for students for whom Italian is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270078	Italian Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Italian-speaking cultures	08	12
2019-2020	270079	Italian Language and Culture, AP	College-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for Italian; performance in listening, speaking, reading, and writing for a variety of situations with emphasis on vocabulary, structure, fluency, and accuracy; extensive writing of compositions; engages students in an exploration of culture in both contemporary and historical contexts	11	12
2019-2020	270081	Japanese Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to the Japanese-speaking culture	07	07
2019-2020	270082	Japanese Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to the Japanese-speaking culture	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270083	Japanese 1	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of the Japanese-speaking culture	08	12
2019-2020	270084	Japanese 2	Listening and speaking skills including understanding and responding to directions, commands, and questions; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of the Japanese-speaking culture	08	12
2019-2020	270085	Japanese 3	Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of the Japanese-speaking culture	08	12
2019-2020	270086	Japanese 4	Listening and speaking skills including understanding and responding to factual and interpretive questions involving proposing and supporting solutions to issues and problems; interpreting authentic literary selections; creating literary compositions; extensive understanding of the Japanese-speaking culture	08	12
2019-2020	270087	Japanese Language and Culture, AP	College-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for Japanese; performance in listening, speaking, reading, and writing for a variety of situations with emphasis on vocabulary, structure, fluency, and accuracy; extensive writing of compositions; extensive understanding of the Japanese-speaking culture	11	12
2019-2020	270088	Japanese, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT AB INITIO COURSES ARE AVAILABLE ONLY AT STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E., STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on language content that introduces and initiates IB students into the rigors and scope of the Japanese language and culture program; study of Japanese grammar including selections of Japanese literature.	11	12
2019-2020	270089	Japanese, B, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Japanese grammar, selections of literature, and culture for students for whom Japanese is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270090	Japanese, B, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Japanese grammar, selections of literature, and culture for students for whom Japanese is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270093	Japanese Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Japanese-speaking cultures	08	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270110	Latin, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. NOTE THAT AB INITIO COURSES ARE AVAILABLE ONLY AT STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E., STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY. Emphasis on language content that introduces and initiates IB students into the rigors and scope of the Latin language and culture program; study of Latin grammar including selections of Latin literature.	11	12
2019-2020	270111	Latin 1	Introduction to the Latin language and Roman world including influence on cultures of the Western world; basic vocabulary including pronunciation and spelling; translation with emphasis on reading, grammar, and the Roman culture	08	12
2019-2020	270112	Latin 2	Intermediate grammar and vocabulary study; translation of works of authentic Roman authors; study of Roman culture including important persons, places, and events	08	12
2019-2020	270113	Latin 3	Advanced grammar and vocabulary study; reading and analyzing primary prose sources including the history and culture of Rome during the Golden Age of Latin literature, the death of the Republic, and the formation of the Roman Empire; writing original Latin prose	08	12
2019-2020	270114	Latin 4	Extensive grammar and vocabulary study; reading and analyzing primary and secondary prose and poetry sources including the history and culture of Rome during the Golden Age of Latin literature, the death of the Republic, and the formation of the Roman Empire; writing original Latin prose and poetry	08	12
2019-2020	270115	Latin, AP	College-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for Latin; performance in reading, translating, analyzing, and interpreting Vergil's Aeneid; grammar and vocabulary study; literary techniques; poetic meter; cultural, social, and political context of literature studied; sight reading; writing of analytical and interpretive essays based on reading selections	11	12
2019-2020	270116	Latin Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Latin-speaking cultures	08	12
2019-2020	270117	Latin, B, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Latin grammar, selections of literature, and culture for students for whom Latin is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270118	Latin, B, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Latin grammar, selections of literature, and culture for students for whom Latin is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270121	Russian Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Russian-speaking cultures	07	07
2019-2020	270122	Russian Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Russian-speaking cultures	08	08
2019-2020	270123	Russian 1	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Russian-speaking cultures	08	12
2019-2020	270124	Russian 2	Listening and speaking skills including understanding and responding to directions, commands, and questions; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of Russian-speaking cultures	08	12
2019-2020	270125	Russian, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT ABINITIO COURSES ARE AVAILABLE ONLY AT STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E.E, STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on language content that introduces and initiates IB students into the rigors and scope of the Russian language and culture program; study of Russian grammar including selections of Russian literature.	11	12
2019-2020	270126	Russian, B, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Russian grammar, selections of literature, and culture for students for whom Russian is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270127	Russian, B, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Russian grammar, selections of literature, and culture for students for whom Russian is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270130	Russian Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Russian-speaking cultures	08	12
2019-2020	270139	American Sign Language Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to the American Sign Language movement	07	07
2019-2020	270140	American Sign Language Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to the American Sign Language movement	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270141	American Sign Language 1	Syntax and grammar study including basic physical and linguistic features; understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; identifying main ideas from signed narratives; creating short presentations on familiar topics; beginning understanding of deaf cultures. The teacher of this course must hold a valid Provisional Certificate issued by the American Sign Language Teachers Association.	08	12
2019-2020	270142	American Sign Language 2	Syntax and grammar study including understanding and responding to a variety of directions, commands, and questions related to personal preferences; interpreting culturally authentic narratives about new and familiar topics; creating short presentations on familiar topics; further understanding of deaf cultures. The teacher of this course must hold a valid Provisional Certificate issued by the American Sign Language Teachers Association.	08	12
2019-2020	270143	American Sign Language 3	Syntax and grammar study including understanding and responding through paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations on a variety of topics; increased understanding of deaf cultures. The teacher of this course must hold a valid Provisional Certificate issued by the American Sign Language Teachers Association.	08	12
2019-2020	270144	American Sign Language 4	Syntax and grammar study including understanding and responding to factual and interpretive questions in complex social situations; proposing and supporting solutions to issues and problems; interpreting complex prose and poetry selections; creating original prose and poetry; extensive understanding of deaf cultures. The teacher of this course must hold a valid Provisional Certificate issued by the American Sign Language Teachers Association.	08	12
2019-2020	270145	American Sign Language Elective, Grades 8-12	Syntax and grammar study including basic physical and linguistic features; understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; identifying main ideas from signed narratives; creating short presentations on familiar topics; beginning understanding of deaf cultures. The teacher of this course must hold a valid Provisional Certificate issued by the American Sign Language Teachers Association.	08	12
2019-2020	270151	Spanish Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Spanish-speaking cultures	07	07
2019-2020	270152	Spanish Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Spanish-speaking cultures	08	08
2019-2020	270153	Spanish 1	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Spanish-speaking cultures	08	12
2019-2020	270154	Spanish 2	Listening and speaking skills including understanding and responding to directions, commands, and questions; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of Spanish-speaking cultures	08	12
2019-2020	270155	Spanish 3	Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of Spanish-speaking cultures	08	12
2019-2020	270156	Spanish 4	Listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating compositions; extensive understanding of Spanish-speaking cultures	08	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270157	Spanish Language, AP	College-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for Spanish; performance in listening, speaking, reading, and writing for a variety of situations with emphasis on vocabulary, structure, fluency, and accuracy; extensive writing of compositions	11	12
2019-2020	270158	Spanish Literature and Culture, AP	College-level advanced language course following the curriculum established the College Board Advanced Placement (AP) Program for Spanish; performance in understanding, analyzing, and interpreting a variety of moderately difficult selections from Spanish literature	11	12
2019-2020	270159	Spanish, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT AB INITIO COURSES ARE AVAILABLE ONLY AT THE STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E., STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on language content that introduces and initiates IB students into the rigors and scope of the Spanish language and culture program; study of Spanish grammar including selections of Spanish literature.	11	12
2019-2020	270160	Spanish, B, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Spanish grammar, selections of literature, and culture for students for whom Spanish is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270161	Spanish, B, HL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016. Emphasis on Spanish grammar, selections of literature, and culture for students for whom Spanish is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent.	11	12
2019-2020	270164	Spanish Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Spanish-speaking cultures	08	12
2019-2020	270170	Other Language 1	NOTE: ONLY COUNTS FOR LANGUAGE OTHER THAN ENGLISH IF TEACHER IS CERTIFIED IN SPECIFIC LANGUAGE. LANGUAGES OTHER THAN ENGLISH, INCLUDING CHINESE, FRENCH, GERMAN, ITALIAN, MODERN GREEK, JAPANESE LATIN RUSSIAN, AND SPANISH ARE ALL LISTED AS SIX-DIGIT COURSES IN THE SUBJECT AND PERSONNEL CODE. Listening and speaking skills, including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of the culture.	08	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270171	Other Language 2	NOTE: ONLY COUNTS FOR LANGUAGE OTHER THAN ENGLISH IF TEACHER IS CERTIFIED IN SPECIFIC LANGUAGE. LANGUAGES OTHER THAN ENGLISH, INCLUDING CHINESE, FRENCH, GERMAN, ITALIAN, MODERN GREEK, JAPANESE, LATIN, RUSSIAN, AND SPANISH ARE ALL LISTED AS SIX-DIGIT COURSES IN THE SUBJECT AND PERSONNEL CODE. Listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of the culture	08	12
2019-2020	270172	Other Language 3	NOTE: ONLY COUNTS FOR LANGUAGE OTHER THAN ENGLISH IF TEACHER IS CERTIFIED IN SPECIFIC LANGUAGE. LANGUAGES OTHER THAN ENGLISH, INCLUDING CHINESE, FRENCH, GERMAN, ITALIAN, MODERN GREEK, JAPANESE, LATIN, RUSSIAN, AND SPANISH ARE ALL LISTED AS SIX-DIGIT COURSES IN THE SUBJECT AND PERSONNEL CODE. Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations, increased understanding of the culture	08	12
2019-2020	270173	Other Language 4	NOTE: ONLY COUNTS FOR LANGUAGE OTHER THAN ENGLISH IF TEACHER IS CERTIFIED IN SPECIFIC LANGUAGE. LANGUAGES OTHER THAN ENGLISH, INCLUDING CHINESE, FRENCH, GERMAN, ITALIAN, MODERN GREEK, JAPANESE, LATIN, RUSSIAN, AND SPANISH ARE ALL LISTED AS SIX-DIGIT COURSES IN THE SUBJECT AND PERSONNEL CODE. Listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating compositions using poetry or prose; extensive understanding of the culture	08	12
2019-2020	270174	Other Language Elective	NOTE: ONLY COUNTS FOR LANGUAGE OTHER THAN ENGLISH IF TEACHER IS CERTIFIED IN SPECIFIC LANGUAGE. LANGUAGES OTHER THAN ENGLISH, INCLUDING CHINESE, FRENCH, GERMAN, ITALIAN, MODERN GREEK, JAPANESE, LATIN, RUSSIAN, AND SPANISH ARE ALL LISTED AS SIX-DIGIT COURSES IN THE SUBJECT AND PERSONNEL CODE. Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of the culture	08	12
2019-2020	270175	Arabic Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Arabic-speaking cultures	07	07
2019-2020	270176	Arabic Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Arabic-speaking cultures	08	08
2019-2020	270177	Arabic 1	Listening and speaking skills including understanding and responding to simple directions, expression of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational context; beginning understanding of Arabic-speaking cultures	08	12
2019-2020	270178	Arabic 2	Listening and speaking skills including understanding and responding to directions, commands, and questions; reading with comprehension main ideas from simple texts; writing with comprehension; short presentations; further understanding of Arabic-speaking cultures	08	12
2019-2020	270179	Arabic 3	Listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and support solutions to issues and problems; interpreting authentic prose and poetry selections; creating compositions; extensive understanding of Arabic-speaking cultures	08	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270180	Arabic 4	Listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and support solutions to issues and problems; interpreting authentic prose and poetry selections; creating compositions; extensive understanding of Arabic-speaking cultures	08	12
2019-2020	270181	Arabic, ab initio, SL IB	NOTE: THIS COURSE IS APPLICABLE ONLY WHEN ADMINISTERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT AB INITIATION COURSES ARE AVAILABLE ONLY AT STANDARD LEVEL (SL) AND ARE FOR BEGINNERS, I.E., STUDENTS WHO HAVE NO PREVIOUS EXPERIENCE OF LEARNING THE LANGUAGE THAT THEY HAVE CHOSEN TO STUDY.) Emphasis on language content that introduces and initiates IB students into the rigors and scope of the Arabic language and culture program; study of Arabic grammar including selections of Arabic literature	11	12
2019-2020	270182	Arabic, B, SL, IB	NOTE: THIS COURSE IS APPLICABLE ONLY WHEN ADMINISTERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Emphasis on Arabic grammar, selections of literature, and culture for students for whom Arabic is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent	11	12
2019-2020	270183	Arabic, B, HL, IB	NOTE: THIS COURSE IS APPLICABLE ONLY WHEN ADMINISTERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA. Emphasis on Arabic grammar, selections of literature, and culture for students for whom Arabic is not their native language (referred to as IB A1), but is the third language (referred to as IB B) in which they are also fluent; note that A2 is the second language in which they are fluent	11	12
2019-2020	270186	Arabic Elective, Grades 8-12	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational context; beginning understanding of Arabic-speaking cultures	08	12
2019-2020	270190	Latin Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to cultures based on Latin influences	07	07
2019-2020	270191	Latin Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to cultures based on Latin influences	08	08
2019-2020	270192	Korean Exploratory, Grade 7	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Korean-speaking cultures	07	07
2019-2020	270193	Korean Exploratory, Grade 8	Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Korean-speaking cultures	08	08
2019-2020	270194	Korean 1	Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Korean-speaking cultures	08	12
2019-2020	270195	Korean 2	Listening and speaking skills including understanding and responding to directions, commands, and questions; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of Korean-speaking cultures	08	12
2019-2020	270196	Korean 3	Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of Korean-speaking cultures	08	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	270197	Korean 4	Listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating compositions; extensive understanding of Korean-speaking cultures	08	12
2019-2020	280018	Dance, SL, IB	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit and may only be offered through an approved International Baccalaureate (IB) Diploma Programme. Emphasis on content which focuses on the composition, performance, and analysis of dance, or "expressive movement," which is practiced among peoples of various backgrounds, and for a variety of purposes, throughout the planet.	11	12
2019-2020	280019	Dance, HL, IB	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit and may only be offered through an approved International Baccalaureate (IB) Diploma Programme. Emphasis on content which focuses on the composition, performance, and analysis of dance, or "expressive movement," which is practiced among peoples of various backgrounds, and for a variety of purposes, throughout the planet.	11	12
2019-2020	280024	Music Theory, AP	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit. College-level advanced course approved by the College Board Advanced Placement (AP) Program for music; musical structure; analysis of composition; notational systems; arrangement for instruments and/or voices; improvisational accompaniment on piano or other instruments	11	12
2019-2020	280025	Music, SL, IB	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit and may only be offered through an approved International Baccalaureate (IB) Diploma Programme. Content relating to music including musical structure, analysis of composition, notational systems, and arrangement for instruments and/or voices	11	12
2019-2020	280026	Music, HL, IB	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit and may only be offered through an approved International Baccalaureate (IB) Diploma Programme. Content relating to music including musical structure, analysis of composition, notational systems, and arrangement for instruments and/or voices	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	280081	Theatre, SL, IB	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit and may only be offered through an approved International Baccalaureate (IB) Diploma Programme. Content relating to theatre including an emphasis on creativity in the context of disciplined, practical research into the relevant genres and reflect an eclectic attempt to combine contrasting aesthetics and forms of assessment from around the world	11	12
2019-2020	280082	Theatre, HL, IB	NOTE: ARTS COURSES MUST CONTAIN THE FOUR ARTISTIC PROCESSES -- CREATE, PERFORM, RESPOND AND CONNECT AS FOUND IN THE ALABAMA COURSE OF STUDY: ARTS EDUCATION. THESE COURSES MAY SERVE TO FULFILL THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY. ARTS COURSES LACKING THESE FOUR ARTISTIC PROCESSES MAY SERVE ONLY AS ELECTIVE CREDIT AND MAY ONLY BE OFFERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. Content relating to theatre including an emphasis on creativity in the context of disciplined, practical research into the relevant genres and reflect an eclectic attempt to combine contrasting aesthetics and forms of assessment from around the world. Content relating to theatre including an emphasis on creativity in the context of disciplined, practical research into the relevant genres and reflect an eclectic attempt to combine contrasting aesthetics and forms of assessment from around the world.	11	12
2019-2020	280083	Film, SL, IB	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit and may only be offered through an approved International Baccalaureate (IB) Diploma Programme. Content relating to film including an emphasis on creativity in the context of disciplined, practical research into the relevant genres and reflect an eclectic attempt to combine contrasting aesthetics and forms of assessment from around the world	11	12
2019-2020	280084	Film, HL, IB	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit and may only be offered through an approved International Baccalaureate (IB) Diploma Programme. Content relating to film including an emphasis on creativity in the context of disciplined, practical research into the relevant genres and reflect an eclectic attempt to combine contrasting aesthetics and forms of assessment from around the world	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	280101	Art History, AP	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit. College-level advanced course approved by the College Board Advanced Placement (AP) Program for art; art history; western and non-western art; cultural influences in art; prehistoric through contemporary art; discovery and preservation of art; aesthetics; criticism; analysis and interpretation	11	12
2019-2020	280102	Studio Art Drawing, AP	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit. College-level advanced course approved by the College Board Advanced Placement (AP) Program for art; portfolio production; demonstrate mastery of drawing in concept, composition, and execution; develop a body of work investigating a visual idea in drawing; variety of concepts and approaches in drawing; documentation	11	12
2019-2020	280103	Studio Art Two-Dimensional Design, AP	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit. College-level advanced course approved by the College Board Advanced Placement (AP) Program for art; portfolio production; demonstrate mastery of design in concept, composition, and execution; develop a body of work investigating a visual idea in 2-D design; variety of concepts and approach in 2-D design; documentation	11	12
2019-2020	280104	Studio Art Three-Dimensional Design, AP	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit. College-level advanced course approved by the College Board Advanced Placement (AP) Program for art; portfolio production; demonstrate mastery of design in concept, composition, and execution; develop a body of work investigating a visual idea in 3-D design; variety of concepts and approach in 3-D design; documentation	11	12
2019-2020	280105	Visual Arts, SL, IB	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit and may only be offered through an approved International Baccalaureate (IB) Diploma Programme. Content relating to visual art including an emphasis on creativity in the context of disciplined, practical research into the relevant genres and reflect an eclectic attempt to combine contrasting aesthetics and forms of assessment from around the world.	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	280106	Visual Arts, HL, IB	NOTE: Arts Courses must contain the four artistic processes -- Create, Perform, Respond, and Connect as found in the Alabama Course of Study: Arts Education. These course may serve to fulfill the CTE and/or Foreign Language and/or Arts Education area of study. Arts courses lacking these four artistic processes may serve only as elective credit and may only be offered through an approved International Baccalaureate (IB) Diploma Programme. Content relating to visual art including an emphasis on creativity in the context of disciplined, practical research into the relevant genres and reflect an eclectic attempt to combine contrasting aesthetics and forms of assessment from around the world	11	12
2019-2020	281007	Dance, Grade 7	Students develop choreography using a variety of prompts and source material. They are expected to use codified movement vocabularies to express artistic intent, while explaining movement choices using genre-specific dance terminology. Students interpret knowledge of human anatomy, healthful practices, and sound nutrition to understand physical development stages and technical skills. Documenting, reviewing and revising choreography are used as tools for refining work. Increasing exposure to master works as well as exposure to a variety of genres and cultural dance forms increases ability to respond and connect.	07	07
2019-2020	281008	Dance, Grade 8	Students develop collaboration skills through working with peers to choreograph original dances. They explore various methods of documentation, evaluate work, and apply feedback in order to develop self-reflection and evaluation tools. Personal movement choices and personal perspective are emphasized during responding and connecting. Musicality and phrasing, the ability to replicate, recall, and execute choreography, and a clarity of alignment, coordination, balance, and core support refines technique.	08	08
2019-2020	281009	Dance, Elements of Arts Literacy	Students explore the art of dance through improvisation and exposure to master works and diverse cultural dance forms. They will use critical analysis and appropriate dance terminology to identify the elements of dance and determine the impact these elements have on the communication of ideas, style and meaning. Students will develop an understanding of dance as a performing art by creating and performing dance, and by demonstrating proper audience and performance etiquette, while viewing professional dance and/or performances by peers. Students will also explore how production technologies may impact dance performance, both live and recorded.	09	12
2019-2020	281100	Dance, Introduction to Dance I	This is a one credit course at the proficient dance level. Novice students progress to a proficient level through a rigorous understanding of the elements of dance. Students create and perform while exploring movement through improvisation and choreographic devices, and develop technical dance skills through correct alignment, nutrition and injury prevention. They obtain an introductory ability to analyze movement for artistic intent, using a knowledge of dance and production elements, genres and style, cultural context and evaluative criteria.	09	12
2019-2020	281101	Dance, Introduction to Ballet I	This is a one credit course at the proficient dance level. Novice students progress to a proficient level through a rigorous understanding of the elements of dance within the codified technique of classical ballet. Students create and perform while exploring movement through improvisation and choreographic devices, and develop technical skills in classical ballet. There is a focus on style, correct alignment, nutrition and injury prevention. Students obtain an introductory ability to analyze choreography from an historical and contemporary perspective in context with the development of classical ballet and the societies in which the dance form originated.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	281102	Dance, Introduction to Tap Dance I	This is a one credit course at the proficient dance level. Novice students progress to a proficient level through a rigorous understanding of the elements of dance within the codified technique of tap. Students create and perform while exploring movement through improvisation and choreographic devices, and develop technical skills including the ability to create and perform clear tap sounds within basic rhythm structures. There is a focus on style, correct alignment, nutrition and injury prevention. Students obtain an introductory ability to analyze choreography from an historical and contemporary perspective in context with the development of tap dance and the societies in which the dance form originated.	09	12
2019-2020	281103	Dance, Introduction to Modern Dance I	This is a one credit course at the proficient dance level. Novice students progress to a proficient level through a rigorous understanding of the elements of dance within the codified technique of modern dance. Students create and perform while exploring movement through improvisation and choreographic devices, and develop technical skills in modern dance. There is a focus on style, correct alignment, nutrition and injury prevention. Students obtain an introductory ability to analyze choreography from an historical and contemporary perspective in context with the development of modern dance and the societies in which the dance form originated.	09	12
2019-2020	281104	Dance, Introduction to Jazz Dance I	This is a one credit course at the proficient dance level. Novice students progress to a proficient level through a rigorous understanding of the elements of dance within the codified technique of jazz dance. Students create and perform while exploring movement through improvisation and choreographic devices, and develop technical skills in jazz dance. There is a focus on style, correct alignment, nutrition and injury prevention. Students obtain an introductory ability to analyze choreography from an historical and contemporary perspective in context with the development of jazz dance and the societies in which the dance form originated.	09	12
2019-2020	281105	Dance, Introduction to Folk Dance I	This is a one credit course at the proficient dance level. Novice students progress to a proficient level through skill development in the performance of international folk dance forms. There is a focus on social interactions and the role dance plays in various countries and cultures. Students develop movement skills that include patterns, individual, partner and group coordination, and cultural style. Students obtain an introductory ability to compare and contrast diverse folk dances with an historic and contemporary perspective and in context with the society in which each dance originated.	09	12
2019-2020	281106	Dance, Introduction to Ballroom Dance I	This is a one credit course at the proficient dance level. Novice students progress to a proficient level through skill development in the performance of European, American and Latin ballroom dance forms. There is a focus on style, musicality, partnering skills, step patterns, correct alignment, coordination, nutrition and injury prevention. Students obtain an introductory ability to analyze and evaluate ballroom dance from an historical and contemporary perspective in context with the development of each style, and the societies in which each of the ballroom dances originated.	09	12
2019-2020	281107	Introduction to Cultural/World Dance I	This is a one credit course at the proficient dance level. Novice students progress to a proficient level through a rigorous understanding of the elements of dance as they relate to global cultural dance forms. Students create and perform cultural dances, and develop technical dance skills, cultural style, correct alignment, nutrition and injury prevention. They obtain an introductory ability to analyze movement for cultural context and purpose, using a knowledge habits, ideas, and perspectives of societies and historical periods in diverse cultures.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	281108	Dance, Introduction to Choreography/Dance Composition I	This is a one credit course at the proficient dance level. Students gain a comprehensive understanding of the elements of dance and how those elements communicate ideas, emotions and intent. Students explore and develop the ability to use choreographic devices through improvisation, solving movement problems, and creating movement studies. They obtain an introductory ability to analyze movement for artistic intent, using a knowledge of dance and production elements, genres and style, cultural context and evaluative criteria.	09	12
2019-2020	281109	Dance, Introduction to Dance Production I	This is a one credit course at the proficient dance level. Students focus on elements of dance production such as lighting, music, and costuming. They receive practical experience in creating actual lighting plots, sound scores, and/or costumes specifically for dance. Students compare and contrast the needs of dance production as it relates to other performing arts. Students explore examples of production in various venues with a variety of production elements and acquire basic skills of design for dance.	09	12
2019-2020	281110	Dance, Introduction to Dance Ensemble I	This is a one credit course at the proficient dance level. The Dance Ensemble I is a performing company which develops professional approaches to rehearsals and performances, and is for students from a novice to proficient level in their dance training. Whether working in groups or as a soloist, students are exposed to a variety of styles, choreographers, repertoire and music. The company offers experience in live performances before audiences, and requires an enhanced consideration of dance as a performing art.	09	12
2019-2020	281111	Dance, Introduction to African Dance I	This is a one credit course at the proficient dance level. Students explore African dance forms through an exploration of music, drumming, rhythms, community, social roles and purpose. Students perform traditional dances as a group and individually, and develop technical skills that require articulated torso, high energy, and some improvisation. Students analyze dances from an historical and contemporary perspective in context with social patterns and values of the diverse societies of Africa in which the dance forms originated.	09	12
2019-2020	281119	Dance Elective I, Proficient	Dance course developed locally, proficient level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	281200	Dance, Dance II	PREREQUISITE: INTRODUCTION TO DANCE OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Proficient students progress to an accomplished level as they explore and analyze choreographic devices through improvisation and solving movement problems. They develop strategies to document, gain feedback, review and revise choreography to obtain a specific artistic intent. Students develop kinesthetic awareness of the elements of dance and relationships to other dancers, and increase technical skills providing fluency of movement. In responding to dance, students use codified technique and genre specific terminology and are able to evaluate choreography that is related to content learned in other subjects.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	281201	Dance, Ballet II	PREREQUISITE: INTRODUCTION TO BALLET OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Proficient students progress to an accomplished level of skill within the codified technique of classical ballet, increasing fluency. They obtain kinesthetic awareness of the elements of dance as they relate to classical ballet and develop strategies to document, gain feedback, review and revise classical ballet choreography and performance to obtain a specific artistic intent. Pointe work is added for dancers who are physically and technically ready. Students explore and analyze choreographic devices specific to classical ballet through improvisation, solving movement problems, and viewing master works. Students use classical ballet terminology to respond to and evaluate choreography and performance within traditional and contemporary contexts.	09	12
2019-2020	281202	Dance, Tap Dance II	PREREQUISITE: INTRODUCTION TO TAP DANCE OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Proficient students progress to an accomplished level of skill within the codified technique of tap dance increasing fluency. They obtain kinesthetic awareness of the elements of dance as they relate to tap dance and develop strategies to document, gain feedback, review and revise tap dance choreography and performance to obtain a specific artistic intent. Students explore and analyze choreographic devices specific to tap dance through improvisation, solving movement problems, and viewing master works. Students use tap dance terminology to respond to and evaluate choreography and performance within traditional and contemporary contexts.	09	12
2019-2020	281203	Dance, Modern Dance II	PREREQUISITE: INTRODUCTION TO MODERN DANCE OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Proficient students progress to an accomplished level of skill within the codified technique of modern dance increasing fluency. They obtain kinesthetic awareness of the elements of dance as they relate to modern dance and develop strategies to document, gain feedback, review and revise modern dance choreography and performance to obtain a specific artistic intent. Students explore and analyze choreographic devices specific to modern dance through improvisation, solving movement problems, and viewing master works. Students use modern dance terminology to respond to and evaluate choreography and performance within traditional and contemporary contexts.	09	12
2019-2020	281204	Dance, Jazz Dance II	PREREQUISITE: INTRODUCTION TO JAZZ DANCE OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Proficient students progress to an accomplished level of skill within the codified technique of jazz dance increasing fluency. They obtain kinesthetic awareness of the elements of dance as they relate to jazz dance and develop strategies to document, gain feedback, review and revise Jazz dance choreography and performance to obtain a specific artistic intent. Students explore and analyze choreographic devices specific to jazz dance through improvisation, solving movement problems, and viewing master works. Students use jazz dance terminology to respond to and evaluate choreography and performance within traditional and contemporary contexts.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	281205	Dance, Folk Dance II	PREREQUISITE: INTRODUCTION TO FOLK DANCE OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Proficient students progress to an accomplished level through skill development in the performance of international folk dance forms. They advance in their ability to project social interactions and an understanding of the role dance plays in various countries and cultures. Students increase movement skills that include patterns, individual, partner and group coordination, and cultural style while analyzing diverse folk dances with an historic and contemporary perspective and in context with the society in which each dance originated.	09	12
2019-2020	281206	Dance, Ballroom Dance II	PREREQUISITE: INTRODUCTION TO BALLROOM DANCE OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Proficient students progress to an accomplished level through skill development in the performance of European, American and Latin ballroom dance forms. They increase performance skills in style, musicality, partnering, step patterns, alignment, coordination, and fluency of movement. Students explore, perform, and analyze ballroom dances from multiple and diverse societies, using knowledge of habits, purpose of the dance, and culture of the societies to develop an understanding of the dances within traditional and contemporary contexts.	09	12
2019-2020	281207	Dance, Cultural/World Dance II	PREREQUISITE: INTRODUCTION TO CULTURAL/WORLD DANCE OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Proficient students progress to an accomplished level through the acquisition of movement skills required for global cultural dance forms. Students create and perform cultural dances, increasing technical dance skills, while refining cultural style, alignment, nutrition and injury prevention. They analyze movement for cultural context and purpose, using a knowledge habits, ideas, and perspectives of societies and historical periods in diverse cultures.	09	12
2019-2020	281208	Dance, Choreography/Dance Composition II	PREREQUISITE: INTRODUCTION TO CHOREOGRAPHY/DANCE COMPOSITION OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Students increase their capacity to create dance using multiple coded techniques and a developing personal voice. They are able to manipulate movement choices and choreographic devises to obtain a specific artistic intent. They develop strategies including research to gain source material, document, gain feedback, review and revise choreography in order to refine dance composition. They use critical thinking to evaluate their own choreography as well as that of master choreographers, professional performances and peers.	09	12
2019-2020	281209	Dance, Dance Production II	PREREQUISITE: INTRODUCTION TO DANCE PRODUCTION OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. Students design and execute production elements such as lighting, music, and/or costuming specifically for dance. They collaborate with others, exploring multiple elements and designs to determine the most appropriate for the venue and the choreographer's intent. Students document work in a portfolio, and include analysis and evaluation of the impact on aesthetics that each design created.	09	12
2019-2020	281210	Dance, Dance Ensemble II	PREREQUISITE: INTRODUCTION TO DANCE ENSEMBLE OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the accomplished dance level. The Dance Ensemble II is a performing company which develops professional approaches to rehearsals and performances, and is for students from a proficient to an accomplished level in their dance training. Whether working in groups or as a soloist, students are exposed to a variety of styles, choreographers, repertoire and music. The company offers experience in live performances before audiences, and requires an enhanced consideration of dance as a performing art.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	281211	Dance, African Dance II	This is a one credit course at the accomplished dance level. Students explore African dance forms through an exploration of music, drumming, rhythms, community, social roles and purpose. Students perform traditional dances as a group and individually, and develop technical skills that require articulated torso, high energy, and some improvisation. Students analyze dances from an historical and contemporary perspective in context with social patterns and values of the diverse societies of Africa in which the dance forms originated.	09	12
2019-2020	281219	Dance Elective II, Accomplished	Dance course developed locally, accomplished level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	281300	Dance, Dance III-Advanced	PREREQUISITE: DANCE II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Students progress to an advanced capacity for dance literacy that includes creating dance, performing dance, responding to dance and connecting dance with skills across the arts disciplines and other academic areas. Students create a portfolio and capstone project which will include all aspects of dance composition, dance production and dance critique, and illustrates a unique personal voice. The capstone project, influenced by research, will show evidence of excellence in leadership qualities and advanced performance, including production elements that clarify intent.	09	12
2019-2020	281301	Dance, Ballet III	PREREQUISITE: BALLET II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Students progress to an advanced capacity for classical ballet literacy that includes creating ballets, performing ballets, responding to ballets and connecting ballet to skills across the arts disciplines and other academic areas. Women gain the ability to perform in pointe. Men and women develop technique for pas de deux. Women and men obtain skills in pas de deux. Students create a portfolio that contains comprehensive documentation of personal classical ballet performance and choreography including audition requirements for college and career in dance (i.e. head shot and required still photos, video, resume & references).	09	12
2019-2020	281302	Dance, Tap Dance III	PREREQUISITE: TAP DANCE II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Students progress to an advanced capacity for tap dance literacy that includes creating, performing, responding to tap choreography and connecting tap to skills across the arts disciplines and other academic areas. Students create a portfolio that contains comprehensive documentation of personal tap performance and choreography including audition requirements for college and career in dance (i.e. head shot and required still photos, video, resume & references).	09	12
2019-2020	281303	Dance, Modern Dance III	PREREQUISITE: MODERN DANCE II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Students progress to an advanced capacity for modern dance literacy that includes creating, performing, responding to modern dance choreography and connecting modern dance to skills across the arts disciplines and other academic areas. Students create a portfolio that contains comprehensive documentation of personal modern dance performance and choreography including audition requirements for college and career in dance (i.e. head shot and required still photos, video, resume & references).	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	281304	Dance, Jazz Dance III	PREREQUISITE: JAZZ DANCE II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Students progress to an advanced capacity for jazz dance literacy that includes creating , performing , responding to jazz choreography and connecting jazz dance to skills across the arts disciplines and other academic areas. Students create a portfolio that contains comprehensive documentation of personal jazz dance performance and choreography including audition requirements for college and career in dance (i.e. head shot and required still photos, video, resume & references).	09	12
2019-2020	281305	Dance, Folk Dance III	PREREQUISITE: FOLK DANCE II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Accomplished students progress to an advanced level through skill development in the performance of international folk dance forms. They excel in their ability to project social interactions and an understanding of the role dance plays in various countries and cultures. Students exhibit advanced movement skills that include patterns, individual, partner and group coordination, and cultural style. They analyze and evaluate diverse folk dances performed live and documented on video with an historic and contemporary perspective and in context with the society in which each dance originated.	09	12
2019-2020	281306	Dance, Ballroom Dance III	PREREQUISITE: BALLROOM DANCE II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Accomplished students progress to an advanced level through skill development in the performance of European, American and Latin ballroom dance forms. They exhibit high quality and competitive performance skills in style, musicality, partnering, step patterns, alignment, coordination, and fluency of movement. Students analyze and evaluate ballroom dances and performances of master artists and peers within traditional and contemporary contexts.	09	12
2019-2020	281307	Dance, Cultural/World Dance III	PREREQUISITE: CULTURAL/WORLD DANCE II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Accomplished students progress to an advanced level through the refinement of movement skills required for global cultural dance forms. Students create and perform cultural dances with technical skill and accurate cultural style. They analyze and evaluate movement for cultural context and purpose, using a knowledge habits, ideas, and perspectives of societies and historical periods in diverse cultures.	09	12
2019-2020	281308	Dance, Choreography/Dance Composition III	PREREQUISITE: CHOREOGRAPHY/DANCE COMPOSITION II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Students experiment beyond personal movement preferences and strengths to expand movement vocabulary and choreographic devices to establish a unique personal voice. They determine a personal preference for a complete original work of choreography by reviewing, evaluating, revising and refining after self-reflection and feedback from others. Students gather a collection of documented work that illustrates a progression of quality using technologies for recording accompanied by written and/or oral evaluations. Students create a capstone project by directing a production of original work, determining production elements, scheduling, programming, publicizing, and collaborating peers and production crews.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	281309	Dance, Dance Production III	PREREQUISITE: DANCE PRODUCTION II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. Student serves as production manager for a specific dance production, and is responsible for the coordination of all the technical and logistical aspects of the production. The production manager enables the artistic ideas of the choreographers, within budget, and within the technical boundaries of the performance space. Working with technical designers and crews, the production manager is responsible for maintaining efficient and effective coordination of the technical elements of the production including but not limited to lighting, costumes, scenery, sound, video projection and stage management.	09	12
2019-2020	281310	Dance, Dance Ensemble III	PREREQUISITE: DANCE ENSEMBLE II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course at the advanced dance level. The Dance Ensemble III is a performing company which develops professional approaches to rehearsals and performances, and is for students from an accomplished to an advanced level in their dance training. Whether working in groups or as a soloist, students are exposed to a variety of styles, choreographers, repertoire and music. The company offers experience in live performances before audiences, and requires an enhanced consideration of dance as a performing art.	09	12
2019-2020	281311	Dance, African Dance III	This is a one credit course at the advanced dance level. Students explore African dance forms through an exploration of music, drumming, rhythms, community, social roles and purpose. Students perform traditional dances as a group and individually, and develop technical skills that require articulated torso, high energy, and some improvisation. Students analyze dances from an historical and contemporary perspective in context with social patterns and values of the diverse societies of Africa in which the dance forms originated.	09	12
2019-2020	281312	Dance, Independent Study	PREREQUISITE: DANCE II OR APPROVAL OF THE INSTRUCTOR. Independent Study courses at the advanced dance arts level are courses designed to refine and demonstrate concepts focused on a specific area of emphasis within dance. These courses are often conducted with instructors or professional artists as mentors. They enable students to collaboratively and independently refine specific work of their choice from the range of forms within dance. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.	09	12
2019-2020	281319	Dance Elective III, Advanced	Dance course developed locally, advanced level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	282007	Media Arts, Grade 7	This course, through available and digital media technology, allows students to engage in the creative process to produce meaningful media art products. Use of prior skills demonstrates analytical and introspective self-reflection and expression as an outlet for developing media arts productions. Assessment and revision are applied to complex, abstract and independent thoughts of media arts productions. Students will make informed judgments about quality and improvement of media artworks to make informed conclusions on how people relate to and interpret these works. Creating, producing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.	07	07

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	282008	Media Arts, Grade 8	This course, through available and digital media technology, allows students to engage in the creative process to produce meaningful media art products. Use of prior skills demonstrates analytical and introspective self-reflection and expression as an outlet for developing media arts productions. Assessment and revision are made to complex, abstract and independent thoughts of media arts productions and then applied to communicate independent thoughts through productions, orally and in writing. Students will assess and connect judgments about the quality of media artworks productions to how people relate to and experience these works. Creating, producing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.	08	08
2019-2020	282009	Media Arts, Elements of Arts Literacy	This half credit course will provide instruction on the basic elements of media arts. Students will explore how to create and produce media arts products, responding and connecting them to historical, current and personal events. Students will have an introduction to history of media arts, and the ethical and appropriate use of the media arts medium.	09	12
2019-2020	282100	Media Arts, Introduction to Media Arts I	This is a one credit course, proficient level, introduction to the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined mediums and forms, including moving image, sound, interactive, spatial and/or interactive design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; their transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282101	Media Arts, Introduction to Digital Imaging I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing digital imagery, graphics and photography, including techniques, genres and styles from fine arts and commercial advertising, internet and multimedia, web design, industrial and virtual design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution and marketing; as well as contextual, cultural and historical aspects and considerations.	09	12
2019-2020	282102	Media Arts, Introduction to Interactive Design I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing interactive media arts experiences, products and services, including reactive (sensory-based [touch, proximity, movement, etc.] devices) and interactive technologies, interface design, mobile device applications, web multimedia, social media based, augmented, and/or virtual reality. Typical course topics include: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of interactive experiences; their transmission, distribution and marketing, as well as contextual, cultural and historical aspects and considerations.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	282103	Media Arts, Introduction to Interactive Game Design I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing 2-D and 3-D interactive game experiences and products, including reactive (sensory-based [touch, proximity, movement, etc.]) devices and interactive technologies, interface design, mobile device applications, web multimedia and/or virtual reality games. Typical course topics include: aesthetic meaning, appreciation and analysis; story design (or storytelling), game construction and development; game theory and dynamics; processing, modeling, simulation and programming of interactive experiences; their transmission, distribution, marketing, as well as contextual, cultural and historical aspects and considerations.	09	12
2019-2020	282104	Media Arts, Introduction to Web Design I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing interactive, multimedia web sites and experiences, products and services, including information architecture, graphic and interface design and web-based multimedia. Typical course topics include: aesthetic meaning, appreciation and analysis; development, construction, and programming of virtual, multimedia and interactive experiences; their applications in Internet communications; as well as contextual, cultural and historical aspects and considerations.	09	12
2019-2020	282105	Media Arts, Introduction to Sequential Images I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing moving and sequential images for the variety of cinematic, film/video, static sequential, and multimedia presentations including: fictional dramas, documentaries, music videos, artistic and experimental presentations and/or installations, interactive, immersive and performance media, traditional and digital comics, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of moving imagery; all processes of development including: storytelling, pre-production planning and organization, production and post-production methods, tools and processes; moving image presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations. (LEA adds content specific information for courses).	09	12
2019-2020	282106	Media Arts, Introduction to Moving Image Animation I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing animated images for the variety of storytelling and multimedia presentations including: dramatic narratives, artistic and experimental presentations and/or installations, ambient, interactive, immersive and performance media, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of animation; all processes of development including: composition and rendering, animation physics and expressions; techniques, forms and technologies; modeling and programming; pre-production planning and organization; production and post-production methods, tools and processes; animation presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282107	Media Arts, Introduction to Digital Sound Design I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing sound for the variety of multimedia and popular musical forms, including: artistic and experimental presentations and/or installations; soundtracks for moving image; interactive, immersive and performance media, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of sound and music; processes of development including: composition, sound physics, programming and synthesis; techniques, forms and technologies; production and postproduction methods, tools and processes; sound performance and presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	282108	Media Arts, Introduction to Virtual Design I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing simulative, virtual, 3D media arts experiences, products and services, including: environments, structures, objects, architecture and ecologies, virtual and augmented reality. Typical course topics include: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of experiences, structures, architecture and/or environments; their presentation, transmission, distribution and marketing, as well as contextual, cultural, and historical aspects and considerations. (LEA adds content specific information for courses).	09	12
2019-2020	282109	Media Arts, Introduction to Multimedia Design I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing media arts experiences, products and services that combine imagery, text, sound, motion, interactivity and/or virtually into a unified presentation. Typical course topics include: aesthetic meaning, appreciation and analysis; composition, development, processing and programming of combined physical, interactive and virtual experiences and environments; their presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282110	Media Arts, Introduction to Intermedia Design I	This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing inter-disciplinary media arts, intermedia and/or transmedia, that merges mediums in diverse combinations and emerging hybrids. Typical course topics include: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of blended physical, interactive, multimedia and virtual experiences and/or environments across arts forms, platforms, mediums and technologies; their presentation, transmission, distribution & marketing; as well as contextual, cultural, and historical aspects/considerations.	09	12
2019-2020	282111	Media Arts, Introduction to Media Arts Theory I	This one credit course, proficient level, covers the conceptual, social and philosophical aspects of the variety, purposes and nature of media arts. Typical course topics include: aesthetic meaning; appreciation and analysis of the range of media art experiences, styles, genres and forms; limited experience in its production tools, methods and processes; the role of media technologies in society and their co-evolution, and contemporary multi-literacies of information, media and digital environments.	09	12
2019-2020	282112	Media Arts, Media Arts Independent Study I	Independent Study at the proficient media arts level are courses focus on a specific area of emphasis within Media Arts. These courses are often conducted with instructors or professional artists as mentors, and enable students to independently explore specific work of their choice, from the range of forms such as moving image, animation, digital sound, virtual design, intermedia, creating a demo reel, etc. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.	09	12
2019-2020	282119	Media Arts, Elective I - Proficient	Media Arts Elective I course developed locally at the high school Proficiency Level and submitted to ALSDE for approval. Once approved it may serves as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	282200	Media Arts, Media Arts II	PREREQUISITE: INTRODUCTION TO MEDIA ARTS OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined mediums and forms, including moving image, sound, interactive, spatial and/or interactive design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; their transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282201	Media Arts, Digital Imaging II	PREREQUISITE: INTRODUCTION TO DIGITAL IMAGING OR APPROVAL OF THE INSTRUCTOR This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing digital imagery, graphics and photography, including techniques, genres and styles from fine arts and commercial advertising, internet and multimedia, web design, industrial and virtual design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution and marketing; as well as contextual, cultural and historical aspects and considerations.	09	12
2019-2020	282202	Media Arts, Interactive Design II	PREREQUISITE: INTRODUCTION TO INTERACTIVE DESIGN OR APPROVAL OF THE INSTRUCTOR This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing interactive media arts experiences, products and services, including reactive (sensory-based [touch, proximity, movement, etc.] devices) and interactive technologies, interface design, mobile device applications, web multimedia, social media based, augmented, and/or virtual reality. Typical course topics include: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of interactive experiences; their transmission, distribution and marketing, as well as contextual, cultural and historical aspects and considerations. (LEA adds content specific information for courses).	09	12
2019-2020	282203	Media Arts, Interactive Game Design II	PREREQUISITE: INTRODUCTION TO INTERACTIVE GAME DESIGN OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing 2-D and 3-D interactive game experiences and products, including reactive (sensory-based [touch, proximity, movement, etc.] devices) and interactive technologies, interface design, mobile device applications, web multimedia and/or virtual reality games. Typical course topics include: aesthetic meaning, appreciation and analysis; story design (or storytelling), game construction and development; game theory and dynamics; processing, modeling, simulation and programming of interactive experiences; their transmission, distribution, marketing, as well as contextual, cultural and historical aspects and considerations.	09	12
2019-2020	282204	Media Arts, Web Design II	PREREQUISITE: INTRODUCTION TO WEB DESIGN OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing interactive, multimedia web sites and experiences, products and services, including information architecture, graphic and interface design and web-based multimedia. Typical course topics include: aesthetic meaning, appreciation and analysis; development, construction, and programming of virtual, multimedia and interactive experiences; their applications in Internet communications; as well as contextual, cultural and historical aspects and considerations.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	282205	Media Arts, Sequential Images II	PREREQUISITE: INTRODUCTION TO SEQUENTIAL IMAGES OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing moving and sequential images for the variety of cinematic, film/video, static sequential, and multimedia presentations including: fictional dramas, documentaries, music videos, artistic and experimental presentations and/or installations, interactive, immersive and performance media, traditional and digital comics, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of moving imagery; all processes of development including: storytelling, pre-production planning and organization, production and post-production methods, tools and processes; moving image presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282206	Media Arts, Moving Image Animation II	PREREQUISITE: INTRODUCTION TO MOVING IMAGE ANIMATION OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing animated images for the variety of storytelling and multimedia presentations including: dramatic narratives, artistic and experimental presentations and/or installations, ambient, interactive, immersive and performance media, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of animation; all processes of development including: composition and rendering, animation physics and expressions; techniques, forms and technologies; modeling and programming; pre-production planning and organization; production and post-production methods, tools and processes; animation presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282207	Media Arts, Digital Sound Design II	PREREQUISITE: INTRODUCTION TO DIGITAL SOUND DESIGN OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing sound for the variety of multimedia and popular musical forms, including: artistic and experimental presentations and/or installations; soundtracks for moving image; interactive, immersive and performance media, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of sound and music; processes of development including: composition, sound physics, programming and synthesis; techniques, forms and technologies; production and postproduction methods, tools and processes; sound performance and presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282208	Media Arts, Virtual Design II	PREREQUISITE: INTRODUCTION TO VIRTUAL DESIGN OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing simulative, virtual, 3D media arts experiences, products and services, including: environments, structures, objects, architecture and ecologies, virtual and augmented reality. Typical course topics include: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of experiences, structures, architecture and/or environments; their presentation, transmission, distribution and marketing, as well as contextual, cultural, and historical aspects and considerations. (LEA adds content specific information for courses).	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	282209	Media Arts, Multimedia Design II	PREREQUISITE: INTRODUCTION TO MULTIMEDIA DESIGN OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing media arts experiences, products and services that combine imagery, text, sound, motion, interactivity and/or virtually into a unified presentation. Typical course topics include: aesthetic meaning, appreciation and analysis; composition, development, processing and programming of combined physical, interactive and virtual experiences and environments; their presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations. (LEA adds content specific information for courses).	09	12
2019-2020	282210	Media Arts, Intermedia Design II	PREREQUISITE: INTRODUCTION TO INTERMEDIA DESIGN OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the creative and conceptual aspects of designing and producing inter-disciplinary media arts, intermedia and/or transmedia, that merges mediums in diverse combinations and emerging hybrids. Typical course topics include: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of blended physical, interactive, multimedia and virtual experiences and/or environments across arts forms, platforms, mediums and technologies; their presentation, transmission, distribution & marketing; as well as contextual, cultural, and historical aspects/considerations. (LEA adds content specific information for courses).	09	12
2019-2020	282211	Media Arts, Media Arts Theory II	PREREQUISITE: INTRODUCTION TO MEDIA ARTS THEORY OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues to cover the conceptual, social and philosophical aspects of the variety, purposes and nature of media arts. Typical course topics include: aesthetic meaning; appreciation and analysis of the range of media art experiences, styles, genres and forms; limited experience in its production tools, methods and processes; the role of media technologies in society and their co-evolution, and contemporary multi-literacies of information, media and digital environments. (LEA adds content specific information for courses).	09	12
2019-2020	282212	Media Arts, Media Arts Independent Study II	PREREQUISITE: INTRODUCTION TO MEDIA ARTS INDEPENDENT STUDY OR APPROVAL OF THE INSTRUCTOR. Independent Study at the accomplished media arts level are courses focused on a specific area of emphasis within Media Arts. These courses are often conducted with instructors or professional artists as mentors, and enable students to independently explore specific work of their choice, from the range of forms such as moving image, animation, digital sound, virtual design, intermedia, creating a demo reel, etc. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.	09	12
2019-2020	282219	Media Arts, Elective II - Accomplished	Media Arts Elective II course developed locally at the high school accomplished level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation	09	12
2019-2020	282300	Media Arts, Media Arts III	PREREQUISITE: MEDIA ARTS II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined mediums and forms, including moving image, sound, interactive, spatial and/or interactive design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; their transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	282301	Media Arts, Digital Imaging III	PREREQUISITE: DIGITAL IMAGEING II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing digital imagery, graphics and photography, including techniques, genres and styles from fine arts and commercial advertising, internet and multimedia, web design, industrial and virtual design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution and marketing; as well as contextual, cultural and historical aspects and considerations.	09	12
2019-2020	282302	Media Arts, Interactive Design III	PREREQUISITE: INTERACTIVE DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing interactive media arts experiences, products and services, including reactive (sensory-based [touch, proximity, movement, etc.] devices) and interactive technologies, interface design, mobile device applications, web multimedia, social media based, augmented, and/or virtual reality. Typical course topics include: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of interactive experiences; their transmission, distribution and marketing, as well as contextual, cultural and historical aspects and considerations.	09	12
2019-2020	282303	Media Arts, Interactive Game Design III	PREREQUISITE: INTERACTIVE GAME DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing 2-D and 3-D interactive game experiences and products, including reactive (sensory-based [touch, proximity, movement, etc.]) devices and interactive technologies, interface design, mobile device applications, web multimedia and/or virtual reality games. Typical course topics include: aesthetic meaning, appreciation and analysis; story design (or storytelling), game construction and development; game theory and dynamics; processing, modeling, simulation and programming of interactive experiences; their transmission, distribution, marketing, as well as contextual, cultural and historical aspects and considerations.	09	12
2019-2020	282304	Media Arts, Web Design III	PREREQUISITE: WEB DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing interactive, multimedia web sites and experiences, products and services, including information architecture, graphic and interface design and web-based multimedia. Typical course topics include: aesthetic meaning, appreciation and analysis; development, construction, and programming of virtual, multimedia and interactive experiences; their applications in Internet communications; as well as contextual, cultural and historical aspects and considerations.	09	12
2019-2020	282305	Media Arts, Sequential Images III	PREREQUISITE: SEQUENTIAL IMAGES II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing moving and sequential images for the variety of cinematic, film/video, static sequential, and multimedia presentations including: fictional dramas, documentaries, music videos, artistic and experimental presentations and/or installations, interactive, immersive and performance media, traditional and digital comics, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of moving imagery; all processes of development including: storytelling, pre-production planning and organization, production and post-production methods, tools and processes; moving image presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	282306	Media Arts, Moving Image Animation III	PREREQUISITE: MOVING IMAGE ANIMATION II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing animated images for the variety of storytelling and multimedia presentations including: dramatic narratives, artistic and experimental presentations and/or installations, ambient, interactive, immersive and performance media, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of animation; all processes of development including: composition and rendering, animation physics and expressions; techniques, forms and technologies; modeling and programming; pre-production planning and organization; production and post-production methods, tools and processes; animation presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282307	Media Arts, Digital Sound Design III	PREREQUISITE: DIGITAL SOUND DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing sound for the variety of multimedia and popular musical forms, including: artistic and experimental presentations and/or installations; soundtracks for moving image; interactive, immersive and performance media, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of sound and music; processes of development including: composition, sound physics, programming and synthesis; techniques, forms and technologies; production and postproduction methods, tools and processes; sound performance and presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282308	Media Arts, Virtual Design III	PREREQUISITE: VIRTUAL DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing simulative, virtual, 3D media arts experiences, products and services, including: environments, structures, objects, architecture and ecologies, virtual and augmented reality. Typical course topics include: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of experiences, structures, architecture and/or environments; their presentation, transmission, distribution and marketing, as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282309	Media Arts, Multimedia Design III	PREREQUISITE: MULTIMEDIA DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing media arts experiences, products and services that combine imagery, text, sound, motion, interactivity and/or virtually into a unified presentation. Typical course topics include: aesthetic meaning, appreciation and analysis; composition, development, processing and programming of combined physical, interactive and virtual experiences and environments; their presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.	09	12
2019-2020	282310	Media Arts, Intermedia Design III	PREREQUISITE: INTERMEDIA DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the creative and conceptual aspects of designing and producing inter-disciplinary media arts, intermedia and/or transmedia, that merges mediums in diverse combinations and emerging hybrids. Typical course topics include: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of blended physical, interactive, multimedia and virtual experiences and/or environments across arts forms, platforms, mediums and technologies; their presentation, transmission, distribution & marketing; as well as contextual, cultural, and historical aspects/considerations.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	282311	Media Arts, Media Arts Theory III	PREREQUISITE: MEDIA ARTS THEORY II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines the conceptual, social and philosophical aspects of the variety, purposes and nature of media arts. Typical course topics include: aesthetic meaning; appreciation and analysis of the range of media art experiences, styles, genres and forms; limited experience in its production tools, methods and processes; the role of media technologies in society and their co-evolution, and contemporary multi-literacies of information, media and digital environments. (LEA adds content specific information for courses).	09	12
2019-2020	282312	Media Arts, Media Arts Independent Study III	PREREQUISITE: MEDIA ARTS INDEPENDENT STUDY II OR APPROVAL OF THE INSTRUCTOR. Independent Study at the advanced media arts level are courses focused on a specific area of emphasis within Media Arts. These courses are often conducted with instructors or professional artists as mentors, and enable students to independently explore specific work of their choice, from the range of forms such as moving image, animation, digital sound, virtual design, intermedia, creating a demo reel, etc. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.	09	12
2019-2020	282319	Media Arts Elective III - Advanced	Media Arts Elective III course developed locally at the high school advanced level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	283007	Music, Grade 7	Students will engage, through criteria set in collaboration with the teacher, in meaningful and purposeful music-making within the four Artistic Processes; creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts. In doing so, students will experience the following concepts of music: rhythm, melody, form, timbre, texture and harmony, style, and expression; taught by a certified music teacher.	07	07
2019-2020	283008	Music, Grade 8	Students will engage, through self-informed, personally-developed criteria, in meaningful and purposeful music-making within the four Artistic Processes; creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures and disciplines within and outside of the arts. In doing so, students will experience the following concepts of music: rhythm, melody, form, timbre, texture and harmony, style, unity and variety, tension and release, balance, and expression; taught by a certified music teacher.	08	08
2019-2020	283009	Music, Elements of Arts Literacy	This half credit course will provide basic instruction in music. Students will explore how to create and produce music, responding and connecting them to historical, current and personal events. Students will have an introduction to history of music, and the ethical and appropriate use of the medium.	09	12
2019-2020	283100	Traditional and Emerging Ensembles: Introduction to Concert Band I (one credit)	This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283101	Traditional and Emerging Ensembles: Introduction to Concert Band I (one-half credit)	This is a one-half credit course, novice level, designed for beginning music students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283102	Traditional and Emerging Ensembles: Introduction to Marching Band I (one credit)	This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a marching band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283103	Traditional and Emerging Ensembles: Introduction to Marching Band I (one-half credit)	This is a one-half credit course, novice level, designed for beginning music students to experience instrumental music in a marching band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. NOTE: Students granted a waiver substitution from the State Superintendent of Education for the required Lifelong Individualized Fitness Education (LIFE 240002) must take two half credits of marching band to fulfill the one LIFE PE credit	05	12
2019-2020	283104	Traditional and Emerging Ensembles: Introduction to Jazz Ensemble I (one credit)	This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a jazz band or jazz ensemble setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283105	Traditional and Emerging Ensembles: Introduction to Jazz Ensemble I (one-half credit)	This is a one-half credit course, novice level, designed for beginning music students to experience instrumental music in a jazz band or jazz ensemble setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283106	Traditional and Emerging Ensembles: Introduction to Instrumental Chamber Ensemble I (one credit)	This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a chamber setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283107	Traditional and Emerging Ensembles: Introduction to Instrumental Chamber Ensemble I(one-half credit)	This is a one-half credit course, novice level, designed for beginning music students to experience instrumental music in a chamber setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283108	Traditional and Emerging Ensembles: Introduction to Woodwinds I (one credit)	This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a setting of only woodwind instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283109	Traditional and Emerging Ensembles: Introduction to Woodwinds I (one-half credit)	This is a one-half credit course, novice level, designed for beginning music students to experience instrumental music in a setting of only woodwind instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283110	Traditional and Emerging Ensembles: Introduction to Brass I (one credit)	This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a setting of only brass instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283111	Traditional and Emerging Ensembles: Introduction to Brass (one -half credit)	This is a one-half credit course, novice level, designed for beginning music students to experience instrumental music in a setting of only brass instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283112	Traditional and Emerging Ensembles: Introduction to Percussion I (one credit)	This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283113	Traditional and Emerging Ensembles: Introduction to Percussion (one-half credit)	This is a one-half credit course, novice level, designed for beginning music students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283114	Traditional and Emerging Ensembles: Introduction to Orchestra I (one credit)	This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a setting of only orchestra instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283115	Traditional and Emerging Ensembles: Introduction to Orchestra I (one -half credit)	This is a one-half credit course, novice level, designed for beginning music students to experience instrumental music in a setting of only orchestra instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283116	Traditional and Emerging Ensembles Instrumental: Introduction to Orchestra Chamber Ensemble I (one credit)	This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a setting of a small orchestra ensemble. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283117	Traditional and Emerging Ensembles: Introduction to Orchestra Chamber Ensemble I (one-half credit)	This is a one-half credit course, novice level, designed for beginning music students to experience instrumental music in a setting of a small orchestra ensemble. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	05	12
2019-2020	283119	Traditional and Emerging Ensembles: Instrumental Elective I - Novice	Instrumental Ensemble course developed locally, novice level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	05	12
2019-2020	283200	Traditional and Emerging Ensembles: Concert Band II (one credit)	PREREQUISITE: INTRODUCTION TO CONCERT BAND OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a concert band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283201	Traditional and Emerging Ensembles: Concert Band II (one-half credit)	PREREQUISITE: INTRODUCTION TO CONCERT BAND OR APPROVAL OF THE INSTRUCTOR. This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a concert band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283202	Traditional and Emerging Ensembles: Marching Band II (one credit)	PREREQUISITE: INTRODUCTION TO MARCHING BAND OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, is designed for students with at least one year of experience to experience instrumental music in a marching band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283203	Traditional and Emerging Ensembles: Marching Band II (one-half credit)	PREREQUISITE: INTRODUCTION TO MARCHING BAND OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a marching band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. NOTE: Students granted a waiver substitution from the State Superintendent of Education for the required Lifelong Individualized Fitness Education (LIFE 240002) must take two half credits of marching band to fulfill the one LIFE PE credit.	06	12
2019-2020	283204	Traditional and Emerging Ensembles: Jazz Ensemble II (one credit)	PREREQUISITE: INTRODUCTION TO JAZZ ENSEMBLE OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a jazz band or jazz ensemble setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283205	Traditional and Emerging Ensembles: Jazz Ensemble II (one-half credit)	PREREQUISITE: INTRODUCTION TO JAZZ ENSEMBLE OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a jazz band or jazz ensemble setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283206	Traditional and Emerging Ensembles: Instrumental Chamber Ensemble II (one credit)	PREREQUISITE: INTRODUCTION TO INSTRUMENTAL CHAMBER ENSEMBLE OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a chamber setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283207	Traditional and Emerging Ensembles: Instrumental Chamber Ensemble II (one-half credit)	PREREQUISITE: INTRODUCTION TO INSTRUMENTAL CHAMBER ENSEMBLE OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a chamber setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283208	Traditional and Emerging Ensembles: Woodwinds II (one credit)	PREREQUISITE: INTRODUCTION TO WOODWIND OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a setting of only woodwind instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283209	Traditional and Emerging Ensembles: Woodwinds II (one-half credit)	PREREQUISITE: INTRODUCTION TO WOODWIND OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a setting of only woodwind instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283210	Traditional and Emerging Ensembles: Brass II (one credit)	PREREQUISITE: INTRODUCTION TO WOODWIND OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a setting of only woodwind instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283211	Traditional and Emerging Ensembles: Brass II (one -half credit)	PREREQUISITE: INTRODUCTION TO BRASS OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a setting of only brass instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.		

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283212	Traditional and Emerging Ensembles: Percussion II (one credit)	PREREQUISITE: INTRODUCTION TO PRECUSSION OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a setting of only percussion instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283213	Traditional and Emerging Ensembles: Percussion II (one-half credit)	PREREQUISITE: INTRODUCTION TO PRECUSSION OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a setting of only percussion instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283214	Traditional and Emerging Ensembles: Orchestra II (one credit)	PREREQUISITE: INTRODUCTION TO ORCHESTRA OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students to experience instrumental music in a setting of only orchestra instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283215	Traditional and Emerging Ensembles: Orchestra II (one -half credit)	PREREQUISITE: INTRODUCTION TO ORCHESTRA OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a setting of only orchestra instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283216	Traditional and Emerging Ensembles: Orchestra Chamber Ensemble II (one credit)	PREREQUISITE: INTRODUCTION TO ORCHESTRA CHAMBER OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a setting of a small orchestra ensemble. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283217	Traditional and Emerging Ensembles: Orchestra Chamber Ensemble II (one-half credit)	PREREQUISITE: INTRODUCTION TO ORCESTRA CHAMBER OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music in a setting of a small orchestra ensemble. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283219	Traditional and Emerging Ensembles: Instrumental Elective 2 - Intermediate	Instrumental Ensemble course developed locally, intermediate level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	06	12
2019-2020	283300	Traditional and Emerging Ensembles: Concert Band III (one credit)	PREREQUISITE: CONCERT BAND II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music concert band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283301	Traditional and Emerging Ensembles: Concert Band III (one-half credit)	PREREQUISITE: CONCERT BAND II OR APPROVAL OF THE INSTRUCTOR. This is a one-half credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music concert band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283302	Traditional and Emerging Ensembles: Marching Band III (one credit)	PREREQUISITE: MARCHING BAND II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, is designed for students to increase artistry through reinforced experiences in an instrumental music marching band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283303	Traditional and Emerging Ensembles: Marching Band III (one-half credit)	PREREQUISITE: MARCHING BAND II OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music marching band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. NOTE: Students granted a waiver substitution from the State Superintendent of Education for the required Lifelong Individualized Fitness Education (LIFE 240002) must take two half credits of marching band to fulfill the one LIFE PE credit.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283304	Traditional and Emerging Ensembles: Jazz Ensemble III (one credit)	PREREQUISITE: JAZZ ENSEMBLE II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music jazz band or jazz ensemble setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283305	Traditional and Emerging Ensembles: Jazz Ensemble III (one-half credit)	PREREQUISITE: JAZZ ENSEMBLE II OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music in a jazz band or jazz ensemble setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283306	Traditional and Emerging Ensembles: Instrumental Chamber Ensemble III (one credit)	PREREQUISITE: INSTRUMENTAL CHAMBER ENSEMBLE II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music chamber setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283307	Traditional and Emerging Ensembles: Instrumental Chamber Ensemble III (one-half credit)	PREREQUISITE: INSTRUMENTAL CHAMBER ENSEMBLE II OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music chamber setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283308	Traditional and Emerging Ensembles: Woodwinds III (one credit)	PREREQUISITE: WOODWINDS II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of only woodwind instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283309	Traditional and Emerging Ensembles: Woodwinds III (one-half credit)	PREREQUISITE: WOODWINDS II OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of only woodwind instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283310	Traditional and Emerging Ensembles: Brass III (one credit)	PREREQUISITE: BRASS II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of only brass instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283311	Traditional and Emerging Ensembles: Brass III (one -half credit)	PREREQUISITE: BRASS II OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of only brass instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283312	Traditional and Emerging Ensembles: Percussion III (one credit)	PREREQUISITE: PERCUSSION II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of only percussion instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283313	Traditional and Emerging Ensembles: Percussion III (one-half credit)	PREREQUISITE: PERCUSSION II OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of only percussion instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283314	Traditional and Emerging Ensembles: Orchestra III (one credit)	PREREQUISITE: ORCHESTRA II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of only orchestra instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283315	Traditional and Emerging Ensembles: Orchestra III (one -half credit)	PREREQUISITE: ORCHESTRA II OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of only orchestra instruments. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283316	Traditional and Emerging Ensembles Instrumental: Orchestra Chamber Ensemble III (one credit)	PREREQUISITE: ORCHESTRA CHAMBER ENSEMBLE II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of a small orchestra ensemble. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283317	Traditional and Emerging Ensembles: Orchestra Chamber Ensemble III (one-half credit)	PREREQUISITE: ORCHESTRA CHAMBER ENSEMBLE II OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting of a small orchestra ensemble. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283319	Traditional and Emerging Ensembles: Instrumental Elective III - Proficient	Instrumental Ensemble course developed locally, proficient level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation. .	06	12
2019-2020	283400	Traditional and Emerging Ensembles: Concert Band IV (one credit)	PREREQUISITE: CONCERT BAND LEVEL III OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a concert band setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283401	Traditional and Emerging Ensembles: Concert Band IV (one-half credit)	PREREQUISITE: CONCERT BAND LEVEL III OR APPROVAL OF THE INSTRUCTOR. This is a one-half credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a concert band setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283402	Traditional and Emerging Ensembles: Marching Band IV (one credit)	PREREQUISITE: MARCHING BAND III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, is designed for students with multiple years of high school study to experience instrumental music in a marching band setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283403	Traditional and Emerging Ensembles: Marching Band IV (one-half credit)	PREREQUISITE: MARCHING BAND III OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a marching band setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. NOTE: Students granted a waiver substitution from the State Superintendent of Education for the required Lifelong Individualized Fitness Education (LIFE 240002) must take two half credits of marching band to fulfill the one LIFE PE credit.	06	12
2019-2020	283404	Traditional and Emerging Ensembles: Jazz Ensemble IV (one credit)	PREREQUISITE: JAZZ ENSEMBLE III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a jazz band or jazz ensemble setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283405	Traditional and Emerging Ensembles: Jazz Ensemble IV (one-half credit)	PREREQUISITE: JAZZ ENSEMBLE III OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a jazz band or jazz ensemble setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283406	Traditional and Emerging Ensembles: Instrumental Chamber Ensemble IV (one credit)	PREREQUISITE: INSTRUMENTAL CHAMBER ENSEMBLE III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a chamber setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283407	Traditional and Emerging Ensembles: Instrumental Chamber Ensemble IV (one-half credit)	PREREQUISITE: INSTRUMENTAL CHAMBER ENSEMBLE III OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a chamber setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283408	Traditional and Emerging Ensembles: Woodwinds IV (one credit)	PREREQUISITE: WOODWINDS III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of only woodwind instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283409	Traditional and Emerging Ensembles: Woodwinds IV (one-half credit)	PREREQUISITE: WOODWINDS III OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of only woodwind instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283410	Traditional and Emerging Ensembles: Brass IV (one credit)	PREREQUISITE: BRASS III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of only brass instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283411	Traditional and Emerging Ensembles: Brass IV (one -half credit)	PREREQUISITE: BRASS III OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of only brass instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283412	Traditional and Emerging Ensembles: Percussion IV (one credit)	PREREQUISITE: PRECUSSION III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of only percussion instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283413	Traditional and Emerging Ensembles: Percussion IV (one-half credit)	PREREQUISITE: PRECUSSION III OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of only percussion instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283414	Traditional and Emerging Ensembles: Orchestra IV (one credit)	PREREQUISITE: ORCHESTRA III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of only orchestra instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283415	Traditional and Emerging Ensembles: Orchestra IV (one -half credit)	PREREQUISITE: ORCHESTRA III OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of only orchestra instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283416	Traditional and Emerging Ensembles: Orchestra Chamber Ensemble IV (one credit)	PREREQUISITE: ORCHESTRA CHAMBER III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of a small orchestra ensemble. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283417	Traditional and Emerging Ensembles: Orchestra Chamber Ensemble IV (one-half credit)	PREREQUISITE: ORCESTRA CHAMBER III OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of a small orchestra ensemble. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283419	Traditional and Emerging Ensembles: Instrumental Elective IV - Accomplished	Instrumental Ensemble course developed locally, accomplished level and submitted to ALSDE for approval. Once approved it may serves as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283500	Traditional and Emerging Ensembles: Concert Band V (one credit)	PREREQUISITE: CONCERT BAND IV OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a concert band setting. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283501	Traditional and Emerging Ensembles: Concert Band Level V (one-half credit)	PREREQUISITE: CONCERT BAND IV OR APPROVAL OF THE INSTRUCTOR. This is a one-half credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a concert band setting. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283502	Traditional and Emerging Ensembles: Marching Band V (one credit)	PREREQUISITE: MARCHING BAND IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a marching band setting. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283503	Traditional and Emerging Ensembles: Marching Band V (one-half credit)	PREREQUISITE: MARCHING BAND IV OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, advanced level, is designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a marching band setting. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. NOTE: Students granted a waiver substitution from the State Superintendent of Education for the required Lifelong Individualized Fitness Education (LIFE 240002) must take two half credits of marching band to fulfill the one LIFE PE credit.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283504	Traditional and Emerging Ensembles: Jazz Ensemble V (one credit)	PREREQUISITE: JAZZ ENSEMBLE IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a jazz band or jazz ensemble setting. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283505	Traditional and Emerging Ensembles: Jazz Ensemble V (one-half credit)	PREREQUISITE: JAZZ ENSEMBLE IV OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a jazz band or jazz ensemble setting. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283506	Traditional and Emerging Ensembles: Instrumental Chamber Ensemble V (one credit)	PREREQUISITE: INSTRUMENTAL CHAMBER ENSEMBLE IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a chamber setting. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts	06	12
2019-2020	283507	Traditional and Emerging Ensembles: Instrumental Chamber Ensemble V (one-half credit)	PREREQUISITE: INSTRUMENTAL CHAMBER ENSEMBLE IV OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a chamber setting. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of advanced level music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283508	Traditional and Emerging Ensembles: Woodwinds V (one credit)	PREREQUISITE: WOODWINDS IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a setting of only woodwind instruments. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283509	Traditional and Emerging Ensembles: Woodwinds V (one-half credit)	PREREQUISITE: WOODWINDS IV OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a setting of only woodwind instruments. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283510	Traditional and Emerging Ensembles: Brass V (one credit)	PREREQUISITE: BRASS IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a setting of only brass instruments. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283511	Traditional and Emerging Ensembles: Brass V (one -half credit)	PREREQUISITE: BRASS IV OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, advanced level, designed for students to experience instrumental music in a setting of only brass instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283512	Traditional and Emerging Ensembles: Percussion V (one credit)	PREREQUISITE: PRECUSSION IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283513	Traditional and Emerging Ensembles: Percussion V (one-half credit)	PREREQUISITE: PRECUSSION IV OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a setting of only percussion instruments. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283514	Traditional and Emerging Ensembles: Orchestra V (one credit)	PREREQUISITE: ORCHESTRA IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a setting of only orchestra instruments. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283515	Traditional and Emerging Ensembles: Orchestra V (one -half credit)	PREREQUISITE: ORCHESTRA IV OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a setting of only orchestra instruments. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283516	Traditional and Emerging Ensembles: Orchestra Chamber Ensemble V (one credit)	PREREQUISITE: ORCHESTRA CHAMBER IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a setting of a small orchestra ensemble. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283517	Traditional and Emerging Ensembles: Orchestra Chamber Ensemble V (one-half credit)	PREREQUISITE: ORCESTRA CHAMBER IV OR APPROVAL OF THE INSTRUCTOR This is a one-half credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music in a setting of a small orchestra ensemble. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of orchestral music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.	06	12
2019-2020	283519	Traditional and Emerging Ensembles: Instrumental Elective V - Advanced	Instrumental Ensemble course developed locally, advanced level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	06	12
2019-2020	283600	Traditional and Emerging Ensembles: Introduction to Mixed Chorus I	This is a one credit course, novice level, designed for beginning music students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	283601	Traditional and Emerging Ensembles: Introduction to Women's Chorus I	This is a one credit course, novice level, designed for beginning music students to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	283602	Traditional and Emerging Ensembles: Introduction to Men's Chorus I	This is a one credit course, novice level, designed for beginning music students to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283603	Traditional and Emerging Ensembles: Introduction to A Capella Chorus I	This is a one credit course, novice level, designed for beginning music students to explore unaccompanied choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	283604	Traditional and Emerging Ensembles: Introduction to Chamber Chorus I	This is a one credit course, novice level, designed for beginning music students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.	05	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283605	Traditional and Emerging Ensembles: Introduction to Show Choir I	This is a one credit course, novice level, designed for beginning music students to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	283609	Traditional and Emerging Ensembles: Vocal Elective I - Novice	Vocal Ensemble course developed locally, novice level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	05	12
2019-2020	283700	Traditional and Emerging Ensembles: Mixed Chorus II	PREREQUISITE: INTRODUCTION TO MIXED CHORUS I OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to continue to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283701	Traditional and Emerging Ensembles: Women's Chorus II	PREREQUISITE: INTRODUCTION TO WOMEN'S CHORUS I OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for with at least one year of experience students to continue to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283702	Traditional and Emerging Ensembles: Men's Chorus II	PREREQUISITE: INTRODUCTION TO MEN'S CHORUS I OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to continue to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283703	Traditional and Emerging Ensembles: A Capella Chorus II	PREREQUISITE: INTRODUCTION TO A CAPELLA CHORUS I OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to continue to explore unaccompanied choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283704	Traditional and Emerging Ensembles: Chamber Chorus II	PREREQUISITE: INTRODUCTION TO CHAMBER CHORUS I OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to continue to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.	06	12
2019-2020	283705	Traditional and Emerging Ensembles: Show Choir II	PREREQUISITE: INTRODUCTION TO SHOW CHOIR I OR APPROVAL OF THE INSTRUCTOR This is a one credit course, intermediate level, designed for students with at least one year of experience to continue to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283709	Traditional and Emerging Ensembles: Vocal Elective 2 - Intermediate	Vocal Ensemble course developed locally, intermediate level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	06	12
2019-2020	283800	Traditional and Emerging Ensembles: Mixed Chorus III	PREREQUISITE: MIXED CHORUS II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry by exploring choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283801	Traditional and Emerging Ensembles: Women's Chorus III	PREREQUISITE: WOMEN'S CHORUS II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry by exploring treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283802	Traditional and Emerging Ensembles: Men's Chorus III	PREREQUISITE: MEN'S CHORUS II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry by exploring treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283803	Traditional and Emerging Ensembles: A Capella Chorus III	PREREQUISITE: A CAPELLA CHORUS II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry by exploring unaccompanied choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283804	Traditional and Emerging Ensembles: Chamber Chorus III	PREREQUISITE: CHAMBER CHORUS II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry by exploring choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.	06	12
2019-2020	283805	Traditional and Emerging Ensembles: Show Choir III	PREREQUISITE: SHOW CHOIR II OR APPROVAL OF THE INSTRUCTOR This is a one credit course, proficient level, designed for students to increase artistry by exploring popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283809	Traditional and Emerging Ensembles: Vocal Elective 3 - Proficient	Vocal Ensemble course developed locally, proficient level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	06	12
2019-2020	283900	Traditional and Emerging Ensembles: Mixed Chorus IV	PREREQUISITE: MIXED CHORUS III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. This level is designed to extend students' choral skills and artistry and to provide a deeper understanding and appreciation of the study of music. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283902	Traditional and Emerging Ensembles: Men's Chorus IV	PREREQUISITE: MEN'S CHORUS III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. This level is designed to extend students' choral skills and artistry and to provide a deeper understanding and appreciation of the study of music. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	283903	Traditional and Emerging Ensembles: A Capella Chorus IV	PREREQUISITE: A CAPELLA CHORUS III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to explore unaccompanied choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. This level is designed to extend students' choral skills and artistry and to provide a deeper understanding and appreciation of the study of music. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283904	Traditional and Emerging Ensembles: Chamber Chorus IV	PREREQUISITE: CHAMBER CHORUS III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. This level is designed to extend students' choral skills and artistry and to provide a deeper understanding and appreciation of the study of music. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.	06	12
2019-2020	283905	Traditional and Emerging Ensembles: Show Choir IV	PREREQUISITE: SHOW CHOIR III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students with multiple years of high school study to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills, choreography and movement and sight-reading techniques. This level is designed to extend students' choral skills and artistry and to provide a deeper understanding and appreciation of the study of music. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283906	Traditional and Emerging Ensembles: Women's Chorus IV	PREREQUISITE: WOMEN'S CHORUS III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level, designed for students to explore treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	283909	Traditional and Emerging Ensembles: Vocal Elective IV - Accomplished	Vocal Ensemble course developed locally, accomplished level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284000	Traditional and Emerging Ensembles: Mixed Chorus V	PREREQUISITE: MIXED CHORUS IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to apply concepts of choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	284001	Traditional and Emerging Ensembles: Women's Chorus V	PREREQUISITE: WOMEN'S CHORUS IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to apply concepts of treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	284002	Traditional and Emerging Ensembles: Men's Chorus V	PREREQUISITE: MEN'S CHORUS IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to apply concepts of treble choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	284003	Traditional and Emerging Ensembles: A Capella Chorus V	PREREQUISITE: A CAPELLA CHORUS IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to apply concepts of unaccompanied choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284004	Traditional and Emerging Ensembles: Chamber Chorus V	PREREQUISITE: CHAMBER CHORUS IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to apply concepts of choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.	06	12
2019-2020	284005	Traditional and Emerging Ensembles: Show Choir V	PREREQUISITE: SHOW CHOIR IV OR APPROVAL OF THE INSTRUCTOR This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to apply concepts of popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills, choreography and movement and sight-reading techniques. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issue, and self-reflection.	06	12
2019-2020	284009	Traditional and Emerging Ensembles: Vocal Elective V - Advanced	Vocal Ensemble course developed locally, advanced level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	06	12
2019-2020	284100	Harmonizing Instruments: Introduction to Guitar I	This is a one credit course, novice level designed for beginning music students to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284101	Harmonizing Instruments: Introduction to Bass Guitar I	This is a one credit course, novice level designed for beginning music students to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284102	Harmonizing Instruments: Introduction to Piano I	This is a one credit course, novice level designed for beginning music students to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284103	Harmonizing Instruments: Introduction to Ukulele I	This is a one credit course, novice level designed for beginning music students to experience instrumental music through instruments capable of producing both melody and harmony such as ukulele. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284109	Harmonizing Instruments: Elective I - Novice	Harmonizing Instrument course developed locally, novice level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	05	12
2019-2020	284200	Harmonizing Instruments: Guitar II	PREREQUISITE: INTRODUCTION TO GUITAR I OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284201	Harmonizing Instruments: Bass Guitar II	PREREQUISITE: INTRODUCTION TO BASS GUITAR I OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music through instruments capable of producing both melody and harmony such as string bass and electric base. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284202	Harmonizing Instruments: Piano II	PREREQUISITE: INTRODUCTION TO PIANO I OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284203	Harmonizing Instruments: Ukulele II	PREREQUISITE: INTRODUCTION TO UKELELE I OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music through instruments capable of producing both melody and harmony such as ukulele. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284209	Harmonizing Instruments: Elective II - Intermediate	Harmonizing Instrument II course developed locally, intermediate level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	05	12
2019-2020	284300	Harmonizing Instruments: Guitar III	PREREQUISITE: GUITAR II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284301	Harmonizing Instruments: Bass Guitar III	PREREQUISITE: BASS GUITAR II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting through instruments capable of producing both melody and harmony such as string bass and electric base. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284302	Harmonizing Instruments: Piano III	PREREQUISITE: PIANO II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284303	Harmonizing Instruments: Ukulele III	PREREQUISITE: INTRODUCTION TO UKELELE II OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting through instruments capable of producing both melody and harmony such as ukulele. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284309	Harmonizing Instruments: Elective III - Proficient	Harmonizing Instrument III course developed locally, proficient level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	05	12
2019-2020	284400	Harmonizing Instruments: Guitar IV	PREREQUISITE: GUITAR III OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284401	Harmonizing Instruments: Bass Guitar IV	PREREQUISITE: INTRODUCTION TO BASS GUITAR III OR APPROVAL OF THE INSTRUCTOR This is a one credit course, accomplished level designed for students with multiple years of high school study to experience instrumental music through instruments capable of producing both melody and harmony such as string bass and electric base. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284402	Harmonizing Instruments: Piano IV	PREREQUISITE: PIANO III OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284403	Harmonizing Instruments: Ukulele IV	PREREQUISITE: UKELELE III OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music through instruments capable of producing both melody and harmony such as ukulele. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284409	Harmonizing Instruments: Elective IV - Accomplished	Harmonizing Instrument Elective IV course developed locally, accomplished level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	05	12
2019-2020	284500	Harmonizing Instruments: Guitar V	PREREQUISITE: GUITAR IV OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284501	Harmonizing Instruments: Bass Guitar V	PREREQUISITE: BASS GUITAR IV OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music through instruments capable of producing both melody and harmony such as string bass and electric base. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284502	Harmonizing Instruments: Piano V	PREREQUISITE: PIANO IV OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, advanced level, designed for students with experience equivalent to college-preparatory or honors to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284503	Harmonizing Instruments: Ukulele V	PREREQUISITE: UKELELE IV OR APPROVAL OF THE INSTRUCTOR. This is a one credit course, advanced level designed for students with experience equivalent to college-preparatory or honors to experience instrumental music through instruments capable of producing both melody and harmony such as ukulele. Students at this level demonstrate concepts and skills to continue the enjoyment of music in community or professional settings. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	05	12
2019-2020	284509	Harmonizing Instruments: Elective V - Advanced	Harmonizing Instrument V course developed locally, advanced level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	05	12
2019-2020	284600	Music Technology, Music Production and Engineering I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF NOVICE OR APPROVAL OF THE INSTRUCTOR. This one credit course, proficient level, is designed as an overview of audio production techniques in a recording studio environment, including industry-standard process and procedures.	09	12
2019-2020	284601	Music Technology, Audio Technology I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF NOVICE OR APPROVAL OF THE INSTRUCTOR. This one credit course, proficient level, designed for examination and exploration of audio technologies. Listening skills will be emphasized through audio editing, recording, and basic sound design for film/video.	09	12
2019-2020	284602	Music Technology, Mix Techniques I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF NOVICE OR APPROVAL OF THE INSTRUCTOR. This one credit course, proficient level, is an exploration and application of audio mixing and mastering techniques used in contemporary audio production.	09	12
2019-2020	284603	Music Technology, Production Techniques I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF NOVICE OR APPROVAL OF THE INSTRUCTOR. This one credit course, proficient level, is an exploration and application of recording studio techniques including digital audio workstations, multi-track recording, editing and sound processing. In addition, the production ensemble roles of producer, engineer, assistant engineer and musician will be explored and experienced.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284604	Music Technology, Sound Engineering I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF NOVICE OR APPROVAL OF THE INSTRUCTOR. This one credit course, proficient level, is an examination and application in the art of studio recording. The mixing console, microphones, signal processing and digital recording systems will be studied and experienced.	09	12
2019-2020	284609	Music Technology Elective I - Proficient	Music Technology I course developed locally, proficient level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	284650	Music Technology, Music Production and Engineering II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF INTERMEDIATE OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is designed to extend students technical skills and artistry of audio production techniques in a recording studio environment, including industry-standard process and procedures to provide a deeper understanding and appreciation of the study of music.	09	12
2019-2020	284651	Music Technology, Audio Technology II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF INTERMEDIATE OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, designed to extend students technical skills and artistry for examination and exploration of audio technologies. Listening skills will be emphasized through audio editing, recording, and basic sound design for film/video to provide a deeper understanding and appreciation of the study of music.	09	12
2019-2020	284652	Music Technology, Mix Techniques II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF INTERMEDIATE OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is designed to extend students technical skills and artistry through exploration and application of audio mixing and mastering techniques used in contemporary audio production. This course also provides a deeper understanding and appreciation of the study of music.	09	12
2019-2020	284653	Music Technology, Production Techniques II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF INTERMEDIATE OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is designed to extend students technical skills and artistry through an exploration and application of recording studio techniques including digital audio workstations, multi-track recording, editing and sound processing. In addition, the production ensemble roles of producer, engineer, assistant engineer and musician will be explored and experienced to provide a deeper understanding and appreciation of the study of music.	09	12
2019-2020	284654	Music Technology, Sound Engineering II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF INTERMEDIATE OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is designed to extend students technical skills and artistry through an examination and application in the art of studio recording. The mixing console, microphones, signal processing and digital recording systems will be studied and experienced to provide a deeper understanding and appreciation of the study of music.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284659	Music Technology Elective II - Accomplished	Music Technology Elective II course developed locally, accomplished level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	284700	Music Technology, Music Production and Engineering III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF ACCOMPLISHED OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, is designed for students to demonstrate concepts and skills of audio production techniques in a recording studio environment, including industry-standard process and procedures equivalent to college-preparatory or honors to reinforce a continued enjoyment of music in community or professional setting.	09	12
2019-2020	284701	Music Technology, Audio Technology III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF ACCOMPLISHED OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, designed for students to demonstrate concepts and skills of audio technologies. Equivalent to college-preparatory or honors study, listening skills will be emphasized through audio editing, recording, and sound design for film/video to reinforce a continued enjoyment of music in community or a professional setting.	09	12
2019-2020	284702	Music Technology, Mix Techniques III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF ACCOMPLISHED OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, is designed for students to demonstrate concepts and skills through exploration and application of audio mixing and mastering techniques used in contemporary audio production equivalent to college-preparatory or honors to reinforce a continued enjoyment of music in community or professional setting.	09	12
2019-2020	284703	Music Technology, Production Techniques III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF ACCOMPLISHED OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, is designed for students to demonstrate concepts and skills through exploration and application of recording studio techniques including digital audio workstations, multi-track recording, editing and sound processing. In addition, the production ensemble roles of producer, engineer, assistant engineer and musician will be explored and experienced equivalent to college-preparatory or honors to reinforce a continued enjoyment of music in community or professional setting.	09	12
2019-2020	284704	Music Technology, Sound Engineering III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF ACCOMPLISHED OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, is designed for students to demonstrate concepts and skills through an examination and application in the art of studio recording. The mixing console, microphones, signal processing and digital recording systems will be studied and experienced equivalent to college-preparatory or honors to reinforce a continued enjoyment of music in community or professional setting.	09	12
2019-2020	284709	Music Technology Elective III - Advanced	Music Technology course developed locally, advanced level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284750	Composition and Theory: Music Theory I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF NOVICE OR APPROVAL OF THE INSTRUCTOR. This one credit, proficient level course explores music theory through academic and hands-on study, and production. The curriculum builds practical understanding of the musical elements including rhythm, melody, harmony, form, and expression through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	09	12
2019-2020	284751	Composition and Theory: Music Composition I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF NOVICE OR APPROVAL OF THE INSTRUCTOR. This one credit, proficient level course explores music composition through academic and hands-on study, and production. The curriculum synthesizes music theory and the process of music composition including the musical elements of rhythm, melody, harmony, form, timbre, and expression, through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	09	12
2019-2020	284752	Composition and Theory: Songwriting I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF NOVICE OR APPROVAL OF THE INSTRUCTOR. This one credit, proficient level course explores songwriting through academic and hands-on study, and production. The curriculum synthesizes music theory and the process of songwriting including the musical elements of rhythm, melody, harmony, form, timbre, and expression, through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.	09	12
2019-2020	284759	Composition and Theory: Elective I - Proficient	Composition and Theory course developed locally, proficient level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	284800	Composition and Theory: Music Theory II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF PROFICIENT OR APPROVAL OF THE INSTRUCTOR. This one credit, accomplished level is designed to extend students technical skills and artistry by continued exploration of music theory through academic and hands-on study, and production. The curriculum builds practical understanding of the musical elements including rhythm, melody, harmony, form, and expression through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection to provide a deeper understanding and appreciation of the study of music.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284801	Composition and Theory: Music Composition II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF PROFICIENT OR APPROVAL OF THE INSTRUCTOR. This one credit, accomplished level is designed to extend students technical skills and artistry by continued exploration of music composition through academic and hands-on study, and production. The curriculum synthesizes music theory and the process of music composition including the musical elements of rhythm, melody, harmony, form, timbre, and expression, through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection to provide a deeper understanding and appreciation of the study of music.	09	12
2019-2020	284802	Composition and Theory: Songwriting II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF PROFICIENT OR APPROVAL OF THE INSTRUCTOR. This one credit, accomplished level is designed to extend students technical skills and artistry by continued exploration of songwriting through academic and hands-on study, and production. The curriculum synthesizes music theory and the process of songwriting including the musical elements of rhythm, melody, harmony, form, timbre, and expression, through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection to provide a deeper understanding and appreciation of the study of music.	09	12
2019-2020	284809	Composition and Theory: Elective II - Accomplished	Composition and Theory II course developed locally, accomplished level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	284850	Composition and Theory: Music Theory III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF ACCOMPLISHED OR APPROVAL OF THE INSTRUCTOR. This one credit, advanced level is designed for students to demonstrate concepts and skills of music theory through academic and hands-on study, and production. The curriculum builds practical understanding of the musical elements including rhythm, melody, harmony, form, and expression through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection equivalent to college-preparatory or honors to reinforce a continued enjoyment of music in community or professional setting.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	284851	Composition and Theory: Music Composition III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF ACCOMPLISHED OR APPROVAL OF THE INSTRUCTOR. This one credit, advanced level is designed for students to demonstrate concepts and skills of music composition through academic and hands-on study, and production. The curriculum synthesizes music theory and the process of music composition including the musical elements of rhythm, melody, harmony, form, timbre, and expression, through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection equivalent to college-preparatory or honors to reinforce a continued enjoyment of music in community or professional setting.	09	12
2019-2020	284852	Composition and Theory: Songwriting III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF ACCOMPLISHED OR APPROVAL OF THE INSTRUCTOR. This one credit, advanced level is designed for students to demonstrate concepts and skills of course explores songwriting through academic and hands-on study, and production. The curriculum synthesizes music theory and the process of songwriting including the musical elements of rhythm, melody, harmony, form, timbre, and expression, through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection equivalent to college-preparatory or honors to reinforce a continued enjoyment of music in community or professional setting.	09	12
2019-2020	284859	Composition and Theory: Elective III - Accomplished	Composition and Theory III course developed locally, advanced level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	285007	Theatre, Grade 7	Academic theatre work will be explored more deeply. A strong emphasis is placed on creating, producing, responding and connecting to drive age appropriate critical thinking, meaning, reflection, production and assessment. Students develop techniques built upon foundations of vocal, kinesthetic, emotional, analytical, and intellectual elements of theatrical training through improvisation, dramatization, process-centered elements of dramatic performance, aesthetics, criticism, and history. Student will increase collaboration by exploring multiple perspectives and approaches and begin to connect the relevance of theatre to themselves and their community. Students continue to deepen understanding of dramatic structure, production, performance, concepts, artistic choices and cultural components of theatre.	07	07

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	285008	Theatre, Grade 8	Academic theatre work will be explored more deeply. A stronger emphasis is placed on creating, producing, responding and connecting to drive age appropriate critical thinking, meaning, reflection, production and assessment. Students develop techniques built upon foundations of vocal, kinesthetic, emotional, analytical, and intellectual elements of theatrical training through improvisation, dramatization, process-centered elements of dramatic performance, aesthetics, criticism, and history. Student will refine collaboration by exploring multiple perspectives and approaches and begin to connect the relevance of theatre to themselves and their community. Students refine an understanding of dramatic structure, production, performance, concepts, artistic choices and cultural components of theatre. Students begin to examine leadership, responsibility, critical analysis and research. Students focus on the implementation of original ideas through refined choices and consider more diverse social, cultural, and global perspectives and issues.	08	08
2019-2020	285009	Theatre, Elements of Arts Literacy	This half credit course will explore arts literacy through theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, performing and assessment to understand how theatre communicates ideas and allows for self-expression. Students will explore how to create and perform informal and formal theatrical works, relating and connecting them to historical, current and personal events. Students will have an introduction to play structure and analysis. Students will be introduced to the technical elements of theatre production. Students will have an introduction to history of theatre, and appropriate etiquette for theatre.	09	12
2019-2020	285100	Introduction to Theatre I	This one credit course, proficient level, explores beginning theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will also be introduced to basic history of theater and technical theatre.	09	12
2019-2020	285101	Introduction to Musical Theatre I	This one credit course, proficient level, explores beginning musical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how musical theatre communicates ideas and allows for self-expression. Students will use their beginning acting and musical talent to explore musical theatre technique. Students will study the history of musical theatre and perform solo, duo and group musical theatre works.	09	12
2019-2020	285102	Introduction to Technical Theatre Production	This one credit course, proficient level, explores beginning technical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand theater through a technical theatre experience. Students will learn beginning design principles, scenery, lighting, costuming and sound design for theatre productions. Students will study the history of theatre and an emphasis will be place on the safe practices and proper use of tools, equipment and materials.	09	12
2019-2020	285109	Theatre Elective I - Proficient	Theatre Elective I course developed locally at the high school Proficient level and submitted to ALSDE for approval. Once approved it may serves as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	285200	Theatre II	PREREQUISITE: INTRODUCTION TO THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will use their acting to refine their theatre and technical technique. Students will study the history of theatre and perform solo, duo and group theatre works.	09	12
2019-2020	285201	Musical Theatre II	PREREQUISITE: INTRODUCTION TO MUSICAL THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the study of musical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how musical theatre communicates ideas and allows for self-expression. Students will continue to use their acting and musical talent to refine their musical theatre technique. Students will study the history of musical theatre and perform solo, duo and group musical theatre works.	09	12
2019-2020	285202	Technical Theatre Production II	PREREQUISITE: INTRODUCTION TO TECHNICAL THEATRE OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, continues the study of technical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further technical skills and artistry through a technical theatre experience. Students will explore in more depth design principles, scenery, lighting, costuming and sound design for theatre productions. Students will study the history of theatre and an emphasis will be place on the safe practices and proper use of tools, equipment and materials.	09	12
2019-2020	285203	Acting Technique (II)	PREREQUISITE: INTRODUCTION TO THEATRE I, MUSICAL THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, focuses on specific acting techniques. Creating, performing, and connecting drive critical thinking, meaning, reflection, production and assessment through specific acting techniques. Self-expression and an understating of how methods of acting may be used to communicate artistic ideas. Students will study, write and/or perform scenes and monologues, use text analysis as well as character analysis to perform informal and formal productions.	09	12
2019-2020	285204	Acting for the Camera (II)	PREREQUISITE: INTRODUCTION TO THEATRE I, MUSICAL THEATRE I, TECHNICAL THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, focuses on specific acting techniques for the camera. Creating, performing, and connecting drive critical thinking, meaning, reflection, production and assessment by understanding framed shots, facial and physical gestures and performing to the camera. Students will study, write and/or perform scenes and monologues, act in student directed films in addition to producing their own films. Basic camera work and editing will also be emphasized.	09	12
2019-2020	285205	Costuming Design and Construction II	PREREQUISITE: INTRODUCTION TO THEATRE I , MUSICAL THEATRE I, TECHNICAL THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is an introduction to the principles, elements and practicalities of costume design and costume construction. Students will learn how to communicate design choices both visually and verbally through rendering techniques and research. An emphasis will be place on the safe practices and proper use of tools, equipment and materials.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	285206	Lighting and Sound Design and Construction II	PREREQUISITE: INTRODUCTION TO THEATRE I, MUSICAL THEATRE I, TECHNICAL THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is an introduction to the principles, elements, techniques, and methods used to realize lighting and sound design in a theatrical setting. Emphasis is placed on technical skills required to prepare, set, and run lighting and sound equipment in production. Students will learn to develop the conceptual, compositional, and technical skills of both lighting and sound design. Safe practices and proper use of tools, equipment and materials will be used.	09	12
2019-2020	285207	Scenic Design and Construction II	PREREQUISITE: INTRODUCTION TO THEATRE I, MUSICAL THEATRE I, TECHNICAL THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is an introduction to the principles, elements, and practicalities of methods, materials, concepts, and processes involved in the design and construction of scenery. Students will learn design functions, construction, painting, modeling, and theories of design. Students will study the history of theatre and an emphasis will be place on the safe practices and proper use of tools, equipment and materials.	09	12
2019-2020	285208	Theatre Management II	PREREQUISITE: INTRODUCTION TO THEATRE I, MUSICAL THEATRE I, TECHNICAL THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is an introduction to the principles, elements, and practicalities of theatre management. Student will learn strategic planning; marketing; audience development; grant writing, in addition to company and front-of-the-house management. Business management concepts and practices are explored related to the theatre.	09	12
2019-2020	285209	Makeup Design and Application II	PREREQUISITE: INTRODUCTION TO THEATRE I, MUSICAL THEATRE I, TECHNICAL THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is an introduction to the principles, elements, and practicalities of makeup design in a theatrical setting. Students will learn basic application, contouring, blending, and color selection, experimenting with special effects, and modifying appearance through the use of makeup. Students will research history of theatre emphasizing the practice and practical application of stage makeup. Safe practices and proper use of tools, equipment and materials will be used.	09	12
2019-2020	285210	Playwriting (II)	PREREQUISITE: INTRODUCTION TO THEATRE I, MUSICAL THEATRE I, TECHNICAL THEATRE I OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is an introduction to the principles, elements, and practicalities of writing plays in various lengths and structure, building of ideas into dramatic situations, use of dialogue and movement. The students will learn, understand, and explore the principles of plot structure, character motivation and development, and writing for the stage.	09	12
2019-2020	285219	Theatre Elective II - Accomplished	Theatre Elective II course developed locally at the high school Accomplished level and submitted to ALSDE for approval. Once approved it may serves as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	285300	Theatre III	PREREQUISITE: THEATRE II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment. Student will demonstrate concepts and skills on how theatre communicates ideas and allows for self-expression. Students will use their acting talent to refine theatre technique equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. Students will study, write and/or perform scenes and monologues. Students will further study the history of theater and technical theatre.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	285301	Musical Theatre III	PREREQUISITE: MUSICAL THEATRE II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, continues the study of musical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment. Student will demonstrate concepts and skills on how musical theatre communicates ideas and allows for self-expression. Students will use their acting and musical talent to refine their musical theatre technique equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. Students will study the history of musical theatre and perform solo, duo and group musical theatre works.	09	12
2019-2020	285302	Technical Theatre Production III	PREREQUISITE: TECHNICAL THEATRE PRODUCTION II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, continues the study of technical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to demonstrate concepts and skills through a technical theatre experience. Students will learn design principles, scenery, lighting, costuming and sound design for theatre productions. Students will study the history of theatre and an emphasis will be place on the safe practices and proper use of tools, equipment and materials equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre.	09	12
2019-2020	285303	Acting Technique (III)	PREREQUISITE: ACTING TECHNIQUE (II) OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, focuses on specific acting techniques. Creating, performing, and connecting drive critical thinking, meaning, reflection, production and assessment through specific acting techniques. Students will refine self-expression and demonstrate an understating of how methods of acting may be used to communicate artistic ideas. Students will continue to study, write and/or perform scenes and monologues, use text analysis as well as character analysis to perform informal and formal productions equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre.	09	12
2019-2020	285304	Acting for the Camera (III)	PREREQUISITE: ACTING FOR THE CAMERA (II) OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines specific acting techniques for the camera. Creating, performing, and connecting drive critical thinking, meaning, reflection, production and assessment by understanding framed shots, facial and physical gestures and performing to the camera. Students will continue to study, write and/or perform scenes and monologues, act in student directed films in addition to producing their own films equivalent to college-preparatory or honors study to reinforce a continued enjoyment of theatre and film production. Advanced camera work and editing will also be emphasized.	09	12
2019-2020	285305	Costuming Design and Construction (III)	PREREQUISITE: COSTUMING DESISGN AND CONSTRUCTION (II) OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines in-depth the principles, elements and practicalities of costume design and costume construction. Students will refine and demonstrate concepts and skills to communicate design choices both visually and verbally through rendering techniques and research equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. A continued emphasis will be place on the safe practices and proper use of tools, equipment and materials.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	285306	Lighting and Sound Design and Construction (III)	PREREQUISITE: LIGHTING AND SOUND DESIGN AND CONSTRUCTION (II) OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines in depth the principles, elements, techniques, and methods used to realize lighting and sound design in a theatrical setting. Emphasis is placed on demonstrating technical skills and concepts required to prepare, set, and run lighting and sound equipment in production. Students will refine how to develop the conceptual, compositional, and technical skills of both lighting and sound design equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. Safe practices and proper use of tools, equipment and materials will be used.	09	12
2019-2020	285307	Scenic Design and Construction (III)	PREREQUISITE: SCENIC DESIGN AND CONSTRUCTION (II) OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines in depth the principles, elements, and practicalities of methods, materials, concepts, and processes involved in the design and construction of scenery. Students will refine and demonstrate concepts and skills for design functions, construction, painting, modeling, and theories of design. Students will continue to study the history of theatre and an emphasis will be place on the safe practices and proper use of tools, equipment and materials equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre.	09	12
2019-2020	285308	Theatre Management (III)	PREREQUISITE: THEATRE MANAGEMENT (II) OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, explores in depth the principles, elements, and practicalities of theatre management. Student will refine and demonstrate concepts and skills for strategic planning; marketing; audience development; grant writing, in addition to company and front-of-the-house management. Advanced business management concepts and practices are emphasized relate to the theatre.	09	12
2019-2020	285309	Makeup Design and Application (III)	PREREQUISITE: MAKEUP DESIGN AND APPLICATION (II) OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, explores in depth the principles, elements, and practicalities of makeup design in a theatrical setting. Students will refine and demonstrate concepts and skills for application, contouring, blending, and color selection, experimenting with special effects, and modifying appearance through the use of makeup equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. Students will research history of theatre emphasizing the practice and practical application of stage makeup. Safe practices and proper use of tools, equipment and materials will be used.	09	12
2019-2020	285310	Playwriting (III)	PREREQUISITE: PLAYWRITING (II) OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, refines in depth the principles, elements, and practicalities of writing plays in various lengths and structure, building of ideas into dramatic situations, use of dialogue and movement. The students will learn, understand, and continue to explore the principles of plot structure, character motivation and development, and writing for the stage equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre.	09	12
2019-2020	285311	Theatre, Independent Study	PREREQUISITE: THEATRE II OR APPROVAL OF THE INSTRUCTOR. Independent Study courses at the advanced theatre arts level are courses designed to refine and demonstrate concepts focused on a specific area of emphasis within theatre arts. These courses are often conducted with instructors or professional artists as mentors. They enable students to collaboratively and independently refine specific work of their choice from the range of forms within theatre. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	285319	Theatre Elective III - Accomplished	Theatre Elective III course developed locally at the high school Advanced level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	286007	Visual Arts, Grade 7	Through creating, producing and responding students will compare and relate the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Emphasis will be placed on independent work and investigation through projects of personal interest. Students will explore techniques, styles, media, methods and procedures for creating works of visual arts. Students will demonstrate higher technical proficiency while still developing self-confidence and refining motor skills. With guidance students will develop and apply criteria to works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others. This course is taught by a certified visual arts teacher.	07	07
2019-2020	286008	Visual Arts, Grade 8	Through creating, producing and responding students, will assess and connect the elements of art and principles of design by utilizing a variety of traditional media, digital media and multimedia projects. Independent work and investigation through projects of personal interest will allow students to demonstrate original works that communicate complex interpretations. Students will explore techniques, styles, media, methods and procedures for creating works of visual arts. Students will demonstrate higher technical proficiency while still developing self-confidence and refining motor skills. Students will develop and apply criteria to works of art to make connections and understand historical relevance, contemporary issues, and self-reflection to their work and the work of others that relates to global interest and social commentary with personal voice. This course is taught by a certified visual arts teacher.	08	08
2019-2020	286009	Visual Arts, Elements of Arts Literacy	This half credit course will provide instruction on the basic elements of art and principles of design of visual arts. Students will explore how to create and produce visual arts products, relating and connecting them to historical, current and personal events. Students will have an introduction to history of visual arts, and appropriate use of the visual arts medium.	09	12
2019-2020	286100	Visual Arts, Introduction to Visual Arts I	This one credit course, novice level, it is the first of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.	09	12
2019-2020	286101	Visual Arts, Introduction to Crafts I	This one credit course, novice level, it is the first of a sequential high school course focusing on craft arts. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how craft arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation in functional art including the history of crafts, crafts of various cultures, studio practice in a variety of crafts media, safe studio practices, proper care and storage of supplies and equipment, aesthetics, criticism, and elements and principles of design.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286102	Visual Arts, Introduction to Photography I	This one credit course, novice level, it is the first of a sequential high school course focusing on photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how photography communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation of analog photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of analog photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of digital photography may be incorporated.	09	12
2019-2020	286103	Visual Arts, Introduction to Digital Photography I	This one credit course, novice level, it is the first of a sequential high school course focusing on digital photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how photography communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation of digital photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of digital photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of analog photography may be incorporated.	09	12
2019-2020	286104	Visual Arts, Introduction to Two-Dimensional Design I	This one credit course, novice level, it is the first of a sequential high school course focusing directly on two-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how two-dimensional design communicates ideas and allows for self-expression. Through exploration and experimentation, this course introduces core concepts of design and provides students with a foundation in the two-dimensional design processes, art criticism, aesthetics, and art history. Students will address design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286105	Visual Arts, Introduction to Three-Dimensional Design I	This one credit course, novice level, it is the first of a sequential high school course focusing directly on three-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how three-dimensional design communicates ideas and allows for self-expression. Through exploration and experimentation, this course introduces core concepts of spatial visual design and provides students with a foundation in the three-dimensional design processes, art criticism, aesthetics, and art history. Students will address spatial design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286106	Visual Arts, Introduction to Graphic Design I	This one credit course, novice level, it is the first of a sequential high school course focusing directly on graphic design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how graphic design communicates ideas and allows for self-expression. Through exploration and experimentation, this course introduces core concepts of visual communication principles and provides students with a foundation in the graphic design processes, art criticism, aesthetics, and art history. Students will address graphic design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286109	Visual Arts, Visual Arts Elective I - Novice	Visual Arts Elective I course developed locally at the high school Novice level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	286200	Visual Arts, Visual Arts II	PREREQUISITE: INTRODUCTION TO VISUAL ARTS OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, it is the second of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how visual arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more in depth study of foundations in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.	09	12
2019-2020	286201	Visual Arts, Crafts II	PREREQUISITE: INTRODUCTION TO VISUAL ARTS, INTRODUCTION TO CRAFTS OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, it is the second of a sequential high school course focusing on craft arts. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how craft arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more in depth study of foundations in functional art including the history of crafts, crafts of various cultures, studio practice in a variety of crafts media, safe studio practices, proper care and storage of supplies and equipment, aesthetics, criticism, and elements and principles of design.	09	12
2019-2020	286202	Visual Arts, Photography II	PREEREQUISITE: INTRODUCTION TO PHOGOTGRAHY OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, it is the second of a sequential high school course focusing on photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how photography communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more in depth study in foundations of analog photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of analog photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of digital photography may be incorporated.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286203	Visual Arts, Digital Photography II	PREREQUISITE: INTRODUCTION TO DIGITAL PHOTOGRAPHY OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, it is the second of a sequential high school course focusing on digital photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how photography communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more in depth study in foundations of digital photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of digital photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of analog photography may be incorporated.	09	12
2019-2020	286204	Visual Arts, Two-Dimensional Design II	PREREQUISITE: INTRODUCTION TO TWO-DIMENSIONAL DESIGN OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, it is the second of a sequential high school course focusing directly on two-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how two-dimensional design communicates ideas and allows for self-expression. Through exploration and experimentation, this course increases development of core concepts in design and provides students with a foundation in the two-dimensional design processes, art criticism, aesthetics, and art history. Students will address design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286205	Visual Arts, Three-Dimensional Design II	PREREQUISITE: INTRODUCTION TO THREE-DIMENSIONAL DESIGN OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, it is the second of a sequential high school course focusing directly on three-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how three-dimensional design communicates ideas and allows for self-expression. Through exploration and experimentation, this course increases development of core concepts in spatial visual design and provides students with a foundation in the three-dimensional design processes, art criticism, aesthetics, and art history. Students will address spatial design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286206	Visual Arts, Graphic Design II	PREREQUISITE: INTRODUCTION TO GRAPHIC DESIGN OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, it is the second of a sequential high school course focusing directly on graphic design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how graphic design communicates ideas and allows for self-expression. Through exploration and experimentation, this course increases development of core concepts in visual communication principles and provides students with a foundation in the graphic design processes, art criticism, aesthetics, and art history. Students will address graphic design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286207	Visual Arts, Ceramics (II)	PREREQUISITE: INTRODUCTION TO VISUAL ARTS OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, is first of a sequential high school course focusing on the medium of ceramics. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how ceramics communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more in depth foundation in the ceramic studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary ceramic process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286208	Visual Arts, Painting (II)	PREREQUISITE: INTRODUCTION TO VISUAL ARTS OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, is first of a sequential high school course focusing on the medium of painting. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how painting communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more formal foundation in the painting studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary painting process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment, and materials are emphasized.	09	12
2019-2020	286209	Visual Arts, Printmaking (II)	PREREQUISITE: INTRODUCTION TO VISUAL ARTS OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, is first of a sequential high school course focusing on the medium of printmaking. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how printmaking communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more formal foundation in the printmaking studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary printmaking process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment, and materials are emphasized.	09	12
2019-2020	286210	Visual Arts, Drawing (II)	PREREQUISITE: INTRODUCTION TO VISUAL ARTS OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, is first of a sequential high school course focusing on the medium of drawing. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how drawing communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more formal foundation in the drawing studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary drawing process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286211	Visual Arts, Sculpture (II)	PREREQUISITE: INTRODUCTION TO VISUAL ARTS OR APPROVAL OF THE INSTRUCTOR. This one credit course, intermediate level, is first of a sequential high school course focusing on the medium of sculpture. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how sculpture communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more formal foundation in the sculpture studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary sculpture process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286219	Visual Arts, Visual Arts Elective II - Intermediate	Visual Arts Elective II course developed locally at the high school Intermediate level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	286300	Visual Arts, Visual Arts III	PREREQUISITE: VISUAL ARTS II OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, it is the third of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in studio processes, art criticism, aesthetics, and art history to provide a deeper understanding and appreciation of visual arts. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.	09	12
2019-2020	286301	Visual Arts, Crafts III	PREREQUISITE: CRAFTS II OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, it is the third of a sequential high school course focusing on craft arts. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how craft arts communicate ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in functional art including the history of crafts, crafts of various cultures, studio practice in a variety of crafts media to provide a deeper understanding and appreciation of craft arts. Safe studio practices, proper care and storage of supplies and equipment, aesthetics, criticism, and elements and principles of design are emphasized.	09	12
2019-2020	286302	Visual Arts, Photography III	PREREQUISITE: PHOTOGRAPHY II OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, it is the third of a sequential high school course focusing on photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how photography communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study of analog photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of analog photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems to provide a deeper understanding and appreciation of photography. Minimal use of digital photography may be incorporated.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286303	Visual Arts, Digital Photography III	PREREQUISITE: DIGITAL PHOTOGRAPHY II OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, it is the third of a sequential high school course focusing on digital photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how photography communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study of digital photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of digital photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems to provide a deeper understanding and appreciation of photography. Minimal use of analog photography may be incorporated.	09	12
2019-2020	286304	Visual Arts, Two-Dimensional Design III	PREREQUISITE: TWO-DIMENSIONAL DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, it is the third of a sequential high school course focusing directly on two-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how two-dimensional design communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in the two-dimensional design studio processes, art criticism, aesthetics, and art history to provide a deeper understanding and appreciation of two-dimensional design. Students will address design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286305	Visual Arts, Three-Dimensional Design III	PREREQUISITE: THREE-DIMENSIONAL DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, it is the third of a sequential high school course focusing directly on three-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how three-dimensional design communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in the three-dimensional design studio processes, art criticism, aesthetics, and art history to provide a deeper understanding and appreciation of three-dimensional design. Students will address spatial design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286306	Visual Arts, Graphic Design III	PREREQUISITE: GRAPHIC DESIGN II OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, it is the third of a sequential high school course focusing directly on graphic design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how graphic design communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in the graphic design studio processes, art criticism, aesthetics, and art history. Students will address graphic design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design to provide a deeper understanding and appreciation of graphic design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286307	Visual Arts, Ceramics (III)	PREREQUISITE: CERAMICS (II) OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is second of a sequential high school course focusing on the medium of ceramics. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how ceramics communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in the ceramic studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary ceramic process, while effectively applying the elements of art and principles of design to provide a deeper understanding and appreciation of ceramics. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286308	Visual Arts, Painting (III)	PREREQUISITE: PAINTING OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is second of a sequential high school course focusing on the medium of painting. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how painting communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in the painting studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary painting process, while effectively applying the elements of art and principles of design to provide a deeper understanding and appreciation of painting. Safe practices and proper use of tools, equipment, and materials are emphasized.	09	12
2019-2020	286309	Visual Arts, Printmaking (III)	PREREQUISITE: PRINTMAKING OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is second of a sequential high school course focusing on the medium of printmaking. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how printmaking communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in the printmaking studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary printmaking process, while effectively applying the elements of art and principles of design to provide a deeper understanding and appreciation of printmaking. Safe practices and proper use of tools, equipment, and materials are emphasized.	09	12
2019-2020	286310	Visual Arts, Drawing (III)	PREREQUISITE: DRAWING OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is second of a sequential high school course focusing on the medium of drawing. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how drawing communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in the drawing studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary drawing process, while effectively applying the elements of art and principles of design to provide a deeper understanding and appreciation of drawing. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286311	Visual Arts, Sculpture (III)	PREREQUISITE: SCULPTURE OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level, is second of a sequential high school course focusing on the medium of sculpture. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production and assessment to understand how sculpture communicates ideas and allows for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in the sculpture studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary sculpture process, while effectively applying the elements of art and principles of design to provide a deeper understanding and appreciation of sculpture. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286319	Visual Arts, Visual Arts Elective III - Accomplished	Visual Arts Elective III course developed locally at the high school Accomplished level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	286400	Visual Arts, Visual Arts IV	PREREQUISITE: VISUAL ARTS III OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, it is the fourth of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allows for self-expression. Student will demonstrate concepts and skills through continued exploration and experimentation with an advanced study in studio processes, art criticism, aesthetics, and art history. Students will demonstrate critical problem solving techniques to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art equivalent to college-preparatory or honors to reinforce a continued enjoyment of visual arts. Safe practices and proper use of tools and materials are emphasized.	09	12
2019-2020	286401	Visual Arts, Crafts IV	PREREQUISITE: CRAFTS III OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, it is the fourth of a sequential high school course focusing on craft arts. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how craft arts communicate ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and provides students with an advanced study equivalent to college-preparatory or honors in functional art including the history of crafts, crafts of various cultures, studio practice in a variety of crafts media, safe studio practices, proper care and storage of supplies and equipment, aesthetics, criticism, and elements and principles of design.	09	12
2019-2020	286402	Visual Arts, Photography IV	PREREQUISITE: PHOTOGRAPHY III OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, it is the fourth of a sequential high school course focusing on photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how photography communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and provides students with an advanced study equivalent to college-preparatory or honors of analog photography: elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of analog photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of digital photography may be incorporated.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286403	Visual Arts, Digital Photography IV	PREREQUISITE: DIGITAL PHOTOGRAPHY III OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, it is the fourth of a sequential high school course focusing on digital photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how photography communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and provides students with an advanced study equivalent to college-preparatory or honors of digital photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of digital photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of analog photography may be incorporated.	09	12
2019-2020	286404	Visual Arts, Two-Dimensional Design IV	PREREQUISITE: TWO-DIMENSIONAL DESIGN III OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, it is the fourth of a sequential high school course focusing directly on two-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how two-dimensional design communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and refines core concepts in design to provide students with an advanced study equivalent to college-preparatory or honors in the two-dimensional design processes, art criticism, aesthetics, and art history. Students will address design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286405	Visual Arts, Three-Dimensional Design IV	PREREQUISITE: THREE-DIMENSIONAL DESIGN III OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, it is the fourth of a sequential high school course focusing directly on three-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how three-dimensional design communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and refines core concepts in design to provide students with an advanced study equivalent to college-preparatory or honors in the two-dimensional design processes, art criticism, aesthetics, and art history. Students will address spatial design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286406	Visual Arts, Graphic Design IV	PREREQUISITE: GRAPHIC DESIGN III OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, it is the fourth of a sequential high school course focusing directly on graphic design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how graphic design communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and expands core concepts in design to provide students with an advanced study equivalent to college-preparatory or honors in the two-dimensional design processes, art criticism, aesthetics, and art history. Students will address graphic design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286407	Visual Arts, Ceramics (IV)	PREREQUISITE: CERAMICS (III) OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, is third of a sequential high school course focusing on the medium of ceramics. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how ceramics communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and provides students with an advanced study equivalent to college-preparatory or honors in the ceramic studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary ceramic process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286408	Visual Arts, Painting (IV)	PREREQUISITE: PAINTING II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, is third of a sequential high school course focusing on the medium of painting. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how painting communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and provides students with an advanced study equivalent to college-preparatory or honors in the painting studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary painting process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment, and materials are emphasized.	09	12
2019-2020	286409	Visual Arts, Printmaking (IV)	PREREQUISITE: PRINTMAKING II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, is third of a sequential high school course focusing on the medium of printmaking. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how printmaking communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and provides students with an advanced study equivalent to college-preparatory or honors in the printmaking studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary printmaking process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment, and materials are emphasized.	09	12
2019-2020	286410	Visual Arts, Drawing (IV)	PREREQUISITE: DRAWING II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, is third of a sequential high school course focusing on the medium of drawing. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how drawing communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and provides students with an advanced study equivalent to college-preparatory or honors in the drawing studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary drawing process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	286411	Visual Arts, Sculpture (IV)	PREREQUISITE: SCULPTURE II OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, is third of a sequential high school course focusing on the medium of sculpture. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production and assessment to understand how sculpture communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques and provides students with an advanced study equivalent to college-preparatory or honors in the sculpture studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary sculpture process, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.	09	12
2019-2020	286419	Visual Arts, Visual Arts Elective IV - Advanced	Visual Arts Elective IV course developed locally at the high school Advanced level and submitted to ALSDE for approval. Once approved it may serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2019-2020	290001	Driver and Traffic Safety Education	Safe driving theory; in class study; driving hazards; boating safety; behind the wheel experience; safety practices	08	12
2019-2020	300001	English for Speakers of Other Languages (7-12)	This code applies to English for Speakers of Other Languages (ESOL) teachers who provide core English language development classes/courses at the secondary level (Grades 7-12). These teachers are responsible for ensuring English Language Learners (ELLs) acquire academic language and communicative competence through the implementation of the World-class Instructional Design and Assessment-English Language Proficiency (WIDA-ELP) Standards.	06	12
2019-2020	400001	Career Cluster Explorations (70 instructional-hour course)	A 70 instructional-hour course designed for students in Grade 7 to explore career opportunities in the 16 clusters and associated pathways. Emphasis is placed on employability and leadership skills.	06	08
2019-2020	400004	Intro Career Cluster Technologies (35-instructional hour course)	A 35 instructional-hour course designed for Grade 6 that exposes student to the 16 career clusters, related pathways, and the core areas of technology. (Pilot Course)	06	06
2019-2020	400005	Intro Career Cluster Technologies (70-instructional hour course)	A 70 instructional-hour course designed for Grade 6 that exposes students to the 16 career clusters, related pathways, and the core areas of technology. (Pilot Course)	06	06
2019-2020	400011	Career Cluster Technologies I (35 instructional-hour course)	A 35 instructional-hour course designed for Grade 7 to introduce students to foundational knowledge and processes needed to increase students' technological literacy. Students are exposed to the 16 career clusters and related pathways in transportation, communication, manufacturing, and construction.	07	07
2019-2020	400012	Career Cluster Technologies I (70 instructional-hour course)	A 70 instructional-hour course designed for Grade 7 to introduce students to foundational knowledge and processes needed to increase students' technological literacy. Students are exposed to the 16 career clusters and related pathways in transportation, communication, manufacturing, and construction.	07	07
2019-2020	400013	Career Cluster Technologies I (140 instructional-hour course)	A 140 instructional-hour course designed for Grade 7 to introduce students to foundational knowledge and processes needed to increase students' technological literacy. Students are exposed to the 16 career clusters and related pathways in transportation, communication, manufacturing, and construction.	07	07
2019-2020	400014	Career Cluster Technologies II (70 instructional-hour course)	A 70 instructional-hour course for students in Grade 8 that provides an in-depth study of the knowledge and processes needed to further increase students' level of technological literacy. Instruction is provided in technologies related to the 16 career clusters and related pathways.	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	400015	Career Cluster Technologies II (140 instructional-hour course)	A 140 instructional-hour course for students in Grade 8 that provides an in-depth study of the knowledge and processes needed to further increase students' level of technological literacy. Instruction is provided in technologies related to the 16 career clusters and related pathways.	08	08
2019-2020	400016	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.	09	12
2019-2020	400017	Entrepreneurship	A one-credit course designed to provide students with the skills needed to effectively organize, develop, create, and manage a business. This course includes business management and entrepreneurship, communication and interpersonal skills, economics, and professional development foundations.	09	12
2019-2020	400018	Career Cluster Technologies II (35 instructional-hr course)	A 35, 70, or 140 instructional-hour course for students in Grade 8 that provides an in-depth study of the knowledge and processes needed to further increase students' level of technological literacy. Instruction is provided in technologies related to the 16 career clusters and related pathways. Standards 1, 2, 4, 7, 8, 10,11, and 20 must be taught for the nine-week course.	08	08
2019-2020	400021	Personal Finance (one credit)	A one credit course designed to introduce students to the management of personal and family resources to achieve personal goals and financial literacy.	09	12
2019-2020	400022	Personal Finance (one-half credit)	A one-half credit course designed to introduce students to the management of personal and family resources to achieve personal goals and financial literacy.	09	12
2019-2020	400024	Career Mathematics	A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematic concepts in a career setting. Emphasis is placed on applied problems in the areas of algebra, geometry, measurement, and probability and statistics.	09	12
2019-2020	400025	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.	09	12
2019-2020	400026	Career Preparedness-A	A one-half credit course that is taught in grades 8-12. The course prepares students with knowledge and skills in the areas of career development and academic planning and computer skill application. This course is a prerequisite to Career Preparedness-B. The required 20-hour online experience can be met by successfully completing both Career Preparedness A and Career Preparedness B.	08	12
2019-2020	400027	Career Preparedness-B	A one-half credit course that is taught in grades 9-12. The course prepares students with knowledge and skills in the areas of career development and academic planning and financial literacy. The prerequisite for this course is Career Preparedness-A. The required 20-hour online experience can be met by successful completion of both Career Preparedness A and Career Preparedness B.	09	12
2019-2020	400028	Career Mathematics A	A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematic concepts in a career setting. Emphasis is placed on applied problems in the areas of measurement, entrepreneurial economics, and finances.	09	12
2019-2020	400029	Career Mathematics B	A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematic concepts in a career setting. Emphasis is placed on applied problems in the areas of algebra, geometry, and data analysis & probability. Prerequisite: Career Mathematics A (400028)	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	400030	ALSDE Approved CTE Electives, 9-12	CTE course MAY BE USED as one of the required CTE credits for graduation upon approval by ALSDE.	09	12
2019-2020	400031	Cooperative Education Seminar/Work-Based Experience-First Credit	Note: The teacher of this course must have earned credit in “Functions of the Coordinator” or “Principles of Coordination.” 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.	11	12
2019-2020	400032	Cooperative Education Seminar/Work-Based Experience-Second Credit	Note: The teacher of this course must have earned credit in “Functions of the Coordinator” or “Principles of Coordination.” 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.	12	12
2019-2020	400033	GameMaker Programming - Zulama	GameMaker Programming is a half-credit course that uses basic programming knowledge to build two-dimensional casual games. Students will apply GML scripting language in game building activities; identify similarities between Python, Java, and C++ programming; create simple 2D designs using GameMaker; problem-solve to debug programming errors; build 2D objects using GameMaker Language; and refine the iterative process (plan, implement, review, adjust).	09	12
2019-2020	400034	Screenwriting - Zulama	Screenwriting is a half-credit course designed for students interested in creative writing, awareness, provisional acting, collaborative storytelling, and creative self-confidence as they craft their own original story. Students will identify the elements of dramatic storytelling; articulate the importance of conflict in story structure; create one or more acts built around an interesting theme that incorporates rising action; and develop well defined archetype and hero characters.	09	12
2019-2020	400035	Game Design - Zulama	Game Design is a half-credit course that provides students with experiences and instruction in applying the fundamental skills and techniques in game design. Students will identify the professional process of game design; articulate the role of a game designer apply the elements of game design when modifying an existing game; and develop and refine a game prototype using an iterative process.	09	12
2019-2020	400036	3D Modeling - Zulama	3D Modeling is a half-credit course designed to allow students to learn the 3D modeling techniques used in movies, visual effects, video games, cartoons, commercials, and animation. Students will identify and navigate the different areas of the interface; identify and navigate the viewports; use the navigation tools to efficiently design primitive objects; make effective use of 3D space; and effectively transform objects in 3D space.	09	12
2019-2020	400037	Mobile Game Design - Zulama	Mobile Game Design is a half-credit course that will allow students to apply professional game design techniques to create playable mobile games. Students will learn the fundamentals of game balance, apply competition and playfulness, demonstrate a working knowledge of triangularity, and debug using iterative game design.	09	12
2019-2020	400038	Unity 3D Programming - Zulama	Unity 3D Programming is a half-credit course that uses advanced programming knowledge to build three-dimensional (3D) casual games. Students will learn to navigate the Unity 3D game development engine; apply Unity JavaScript language to build gaming interactivity; create simple 3D designs using Unity; and refine the iterative process (plan, implement, review, adjust).	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	400039	Game Production and Marketing - Zulama	Game Production and Marketing is a half-credit course designed to give students understanding of the video game industry by learning the tools, skills, and methodologies used to create and produce video games. Students will identify how target audience and marketing decisions affect game design; analyze target audience expectations related to game design; use research tools to gather information about potential markets; develop and implement a marketing plan.	09	12
2019-2020	400122	Cooperative Education Work-Based Experience-First Credit	Note: The teacher of this course must have earned credit in “Functions of the Coordinator” or “Principles of Coordination.” A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.	11	12
2019-2020	400133	Cooperative Education Work-Based Experience-Second Credit	Cooperative Education Work-Based Experience-Second Credit. Description: Note: The teacher of this course must have earned credit in “Functions of the Coordinator” or “Principles of Coordination.” . A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.	11	12
2019-2020	400144	Cooperative Education Work-Based Experience-Third Credit	Note: The teacher of this course must have earned credit in “Functions of the Coordinator” or “Principles of Coordination.” . A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.	11	12
2019-2020	400212	Cooperative Education Work-Based Experience-Fourth Credit	Note: The teacher of this course must have earned credit in “Functions of the Coordinator” or “Principles of Coordination.” . A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.	11	12
2019-2020	410001	Two- and Four-Stroke Engines (one credit)	A one-credit course designed to prepare students for entry-level employment or advanced training in the power mechanics field.	09	12
2019-2020	410002	Power Equipment Technology	A one-credit course designed to prepare students for entry-level employment or advanced training in the power mechanics field. Emphasis is placed on hydraulics, pneumatics, drive trains, control systems, starters, and preventive maintenance.	09	12
2019-2020	410003	Introduction to Veterinary Science	A one-credit course designed to provide students with an introduction to the veterinary science profession. Topics include career opportunities, safety, human treatment, laws and regulations, anatomy and physiology, animal health, and veterinary services.	09	12
2019-2020	410004	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 anesthesia, basic surgery procedures, health management, business management, and technology.	09	12
2019-2020	410005	Introduction 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.	09	12
2019-2020	410006	Construction Site Prep & Foundations	A one-credit course designed to facilitate students’ understanding of the first phases of construction including types of structures and their uses.	09	12
2019-2020	410007	Construction Framing	A one-credit course designed to facilitate students’ understanding of the framing components of a structure. Emphasis is placed on floor systems, wall and ceiling framing, stair construction, and roof framing.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	410008	Construction Finishing & Interior System	A one-credit course designed to provide instruction on the exterior and interior finishing phases of a structure.	09	12
2019-2020	410009	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. The prerequisite for this course is Electrical Technology.	09	12
2019-2020	410010	Introduction 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.	09	12
2019-2020	410011	Safety and Health Regulations	A one-credit course designed to provide students with an understanding of basic safety standards, governmental and industry regulations, and individual responsibilities in workplace safety and health practices. Content focuses on identifying common safety hazards and minimizing or avoiding unsafe practices.	09	12
2019-2020	410012	Family 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.	09	12
2019-2020	410013	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. A school-based laboratory is required for the course.	09	12
2019-2020	410014	Consumer Services II	A one-credit course that includes content that helps students learn ways to provide services to consumers and focuses on the relationship of the client. The prerequisite for this course is Consumer Services I. A school-based laboratory is required for the course.	09	12
2019-2020	410015	Fashion Merchandising	A one-credit course designed for students interested in pursuing a career in the fashion and retail industry. Students will explore fashion business operations, merchandising techniques, and technology used in the industry.	09	12
2019-2020	410016	Multimedia Design	A one-credit course designed to provide students with hands-on skills involving graphic design, digital photography, Web publishing, and digital video production. Students use various hardware peripherals and software for completing documents.	09	12
2019-2020	410017	Multimedia Publications	A one-credit course designed to provide students with the ability to utilize digital equipment and multimedia digital imaging software, produce interactive media projects, and develop publication layouts. Students use various hardware peripherals as well as the Internet for integrating skills to create a variety of publications.	09	12
2019-2020	410018	Information Technology Support and 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).	09	12
2019-2020	410019	Computer Management & Support	A one-credit course that provides students with skills necessary to manage a stand-alone computer on a home network.	09	12
2019-2020	410020	Introduction to Fisheries Technology	A one-credit course designed to introduce students to local fishing industries within the state including the study of equipment and techniques used to harvest seafood from local waters and how technology has changed these techniques over the years.	09	12
2019-2020	410021	Advanced Fisheries Technology	A one-credit course that provides students with an in-depth study of modern commercial fisheries throughout the United States and the world. Introduction to Fisheries Technology is a prerequisite for this course.	09	12
2019-2020	410022	Residential & Commercial Power Equipment	A one-credit course designed to prepare students for entry-level employment or advanced training in the power mechanics field including the study of lawn and garden chassis, chain saws, string trimmers, tillers, generators, pumps, pollution controls, and electrical systems and repair.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	410023	Law in Society (one credit)	A one-credit course designed to acquaint students with the basic legal principles common to business and personal activities. This course is an overview of criminal, civil, contract, and consumer law.	09	12
2019-2020	410024	Emergency Services	A one-credit course that introduces students to the emergency medical profession. Course content emphasizes safety, human structure and function, assessment of emergency clients, ethical behavior, and emergency care procedures.	09	12
2019-2020	410025	Forensic & Criminal Investigation	A one-credit course that focuses on the history of forensic science, criminal investigation, forensic serology and DNA, forensic studies in anthropology, toxicology, fingerprinting, firearms, physics, and document examination.	09	12
2019-2020	410026	Commerce Communication (one credit)	A one-credit course that deals with the operation and management of advertising and promotion functions in marketing. The prerequisite for this course is Business Essentials or Business Technology Applications. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	410027	Commerce Communication (one-half credit)	A one-half credit course that deals with the operation and management of advertising and promotion functions in marketing. The prerequisite for this course is Business Essentials or Business Technology Applications. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	412101	NCCER Building Construction 1 - Construction Framing	A one-credit course designed to complete all Core requirements for NCCER Core credentialing and to facilitate students' understanding of the framing components of typical structures. Emphasis is placed on safety, floor systems, wall and ceiling framing, stair construction, and roof framing.	09	12
2019-2020	412102	NCCER Building Construction 2 - Site Preparation	A one-credit course designed to facilitate students' understanding of the first phases of construction including types of structures and their uses. This course meets partial requirements for NCCER Construction Technology credentials.	09	12
2019-2020	412103	NCCER Building Construction 3 - Construction Finishing	A one-credit course designed to provide instruction on all common exterior and interior finishing phases of a structure. This course meets partial requirements for NCCER Construction Technology credentials.	09	12
2019-2020	420004	Introduction to Agriscience (35 instructional-hour course)	A 35 instructional-hour exploratory course that provides an overview of the agricultural industry for students in Grade 7. This course may be offered as a rotation course allowing students to explore various career fields. Specific content standards to be included in each course are indicated in the Course of Study chart.	07	07
2019-2020	420005	Introduction to Agriscience (70 instructional-hour course)	A 70 instructional-hour exploratory course that provides an overview of the agricultural industry for students in Grade 7. This course may be offered as a rotation course allowing students to explore various career fields. Specific content standards to be included in each course are indicated in the Course of Study chart.	07	07
2019-2020	420006	Introduction to Agriscience (140 instructional-hour course)	A 140 instructional-hour exploratory course that provides an overview of the agricultural industry for students in Grade 7. This course may be offered as a rotation course allowing students to explore various career fields. Specific content standards to be included in each course are indicated in the Course of Study chart.	07	07
2019-2020	420007	Agriscience Exploration (70 instructional-hour course)	A 70 instructional-hour exploratory course that provides Grade 8 students the opportunity to gain knowledge and acquire skills in aquaculture; animal, plant, and soil science; ecology; woodworking; electricity; etc. Specific content standards to be included in each course are indicated in the Course of Study chart.	08	08
2019-2020	420008	Agriscience Exploration (140 instructional-hour course)	A 140 instructional-hour exploratory course that provides Grade 8 students the opportunity to gain knowledge and acquire skills in aquaculture; animal, plant, and soil science; ecology; woodworking; electricity; etc. Specific content standards to be included in each course are indicated in the Course of Study chart.	08	08



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	420009	Agriscience (one credit)	A one-credit course that provides students with a general overview of the Agriculture, Food and Natural Resources Cluster and pathways. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420010	Agriscience (one-half credit)	A one-half credit course that provides students with a general overview of the Agriculture, Food and Natural Resources Cluster and pathways. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420011	Two- and Four-Stroke Engines (one-half credit)	A one-half credit course designed to prepare students for entry-level employment or advanced training in the power mechanics field. Specific content standards to be included in the course are indicated in the Course of Study chart.	09	12
2019-2020	420012	Introduction to Metal Fabrication (one credit)	A one credit course that provides students with opportunities to examine safety and technical information in metal fabrication and additional opportunities to participate in hands-on activities in the laboratory. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420013	Introduction to Metal Fabrication (one-half credit)	A one-half credit course that provides students with opportunities to examine safety and technical information in metal fabrication and additional opportunities to participate in hands-on activities in the laboratory. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420014	Introduction Metal Inert Gas/Flux Cored	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.	09	12
2019-2020	420020	Forestry (one credit)	A one-credit 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. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420021	Forestry (one-half credit)	A one-half credit 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. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420022	Urban Forestry	A one-credit course designed to enable students to acquire forestry knowledge and skills for an urban setting. Topics include career opportunities, safety, climbing and rigging, urban tree management, and tree disorders.	09	12
2019-2020	420023	Forestry Equipment	A one-credit course designed to enable students to become knowledgeable in the safe handling and maintenance of forestry equipment. Topics include safety, large equipment, small equipment, engine maintenance, and hydraulics.	09	12
2019-2020	420024	Fish and Wildlife Management (one credit)	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. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	09	12
2019-2020	420025	Fish and Wildlife Management (one-half credit)	A one-half credit course that provides students with the opportunity to become knowledgeable of natural resources including fish and wildlife ecology, endangered species, and pest management. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	09	12
2019-2020	420026	Environmental Management	A one-credit course designed to provide students with an in-depth study of environmental management principles and practices including natural resources, ecology, waste management, water and air quality, pesticide management and use, and energy conservation.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	420027	Arboriculture	A one-credit course designed to give students the knowledge and skills necessary to perform various jobs in the tree care industry, including feller, ground-man and climber. The course provides a comprehensive introduction to tree anatomy and physiology, tree identification, water management, nutrient requirements, tree installation, and tree management.	09	12
2019-2020	420028	Dendroogy	A one-credit course designed to enable the student to become knowledgeable in the physiology, ecology, silviculture, scientific nomenclature, taxonomy, identification, and use of common woody plants of Alabama. Emphasis is placed on native, non-native, threatened/endangered, and invasive species, trees, shrubs, and woody vines.	09	12
2019-2020	420029	Wildland Firefighting and Controlled Fires	A one-credit course designed to give students a working knowledge of wildland firefighting and the use of controlled fires on fire lands. Emphasis is place on firefighting terminology, topography, fuel types, external influences, personal protective equipment, deployment procedures, firefighting tools and equipment, suppression tactics, and controlled burning.	09	12
2019-2020	420030	Animal Science (one credit)	A one-credit course that provides instruction and opportunities to participate in activities related to animal science. Emphasis is placed on breed identification, nutrition, disease control, and reproduction. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420031	Animal Science (one-half credit)	A one-half credit course that provides instruction and opportunities to participate in activities related to animal science. Emphasis is placed on breed identification, nutrition, disease control, and reproduction. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420032	Animal Biotechnology	A one-credit course that 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.	09	12
2019-2020	420033	Poultry Science	A one-credit course that provides students with instruction and opportunities to participate in hands-on activities in areas of safety, environmental issues, breeds of poultry, nutrition and disease prevention, consumer issues, biotechnological advancement, and management and marketing practices.	09	12
2019-2020	420034	Equine Science	A one-credit course that enables students to gain knowledge in the areas of caring for and managing horses, anatomy and physiology, nutrition, health, and selection and conformation. Students also learn about tools, tack, and facilities necessary for the proper care of horses.	09	12
2019-2020	420035	Aqua Experience (one credit)	A one-credit course designed to enhance students' understanding of the aquaculture industry with emphasis on research, the economic significance of aquaculture, water quality management, and system design and maintenance. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420036	Aqua Experience (one-half credit)	A one-half credit course designed to enhance students' understanding of the aquaculture industry with emphasis on research, the economic significance of aquaculture, water quality management, and system design and maintenance. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420037	Aquaculture Science	A one-credit course designed to introduce students to physical and biological concepts and skills in aquaculture. Emphasis is placed on integration of knowledge to solve problems and broaden depth of understanding about water chemistry and management, aquaculture systems, aquatic biology, and health and sanitation.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	420038	Aquatic Biology	A one-credit course that explores the aquaculture industry as it relates to biology. Emphasis is placed on scientific concepts involving the use of microscopes and the conversion of unit measurements, aquatic species, water management, health and sanitation, biotechnology, and aquaculture issues.	09	12
2019-2020	420051	Horticulture Science (one credit)	A one-credit course designed to enable students to become knowledgeable of horticultural science, including plant physiology, greenhouse production, plant identification and classification, and pest management. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420052	Horticulture Science (one-half credit)	A one-half credit course designed to enable students to become knowledgeable of horticultural science, including plant physiology, greenhouse production, plant identification and classification, and pest management. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420053	Plant Biotechnology	A one-credit course that provides students with an opportunity to develop an understanding of plant genetics and biotechnology relative to agriculture-related products and services. Emphasis is placed on cellular biology, applied genetics and biotechnology concepts, and social and environmental impacts of biotechnology.	09	12
2019-2020	420054	Greenhouse Production and Management	A one-credit course relating to the production of greenhouse crops. Topics include plant propagation, growing media, plant identification, greenhouse production, pest control, business management, and equipment and facilities.	09	12
2019-2020	420055	Nursery Production & Management	A one-credit course designed to introduce students to the production of nursery crops. Topics include basic plant science, plant propagation, nursery growing media, plant identification, nursery production, pest control, business management, and equipment and facilities.	09	12
2019-2020	420056	Sports Turfgrass Production Management	A one-credit course that prepares students for sports turfgrass careers. Emphasis is placed on turfgrass growth, turfgrass management, sports fields, turfgrass tools and equipment, business management, and technology.	09	12
2019-2020	420057	Landscape Design & Management (one credit)	A one-credit course that allows students to become more knowledgeable of landscape design and management. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	09	12
2019-2020	420058	Landscape Design & Management (one-half credit)	A one-half credit course that allows students to become more knowledgeable of landscape design and management. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	09	12
2019-2020	420059	Residential Landscape Establishment & Management	A one-credit course that focuses on the residential landscape industry. Emphasis is placed on plant nutrition, pest management, plant identification, residential landscape design and maintenance, residential landscape business management, and technology.	09	12
2019-2020	420060	Creative Floral Design	A one-credit course designed to inspire students to use their creative capabilities in the floriculture industry. Topics include design mechanics, floral designs, creative designing, and visual marketing.	09	12
2019-2020	420061	Specialty Floral Design & Management	A one-credit course designed to enhance students' knowledge of business operations, management, and floral design skills.	09	12
2019-2020	420062	Floral Design & Interiorscaping	A one-credit course designed to introduce students to the floral industry. Topics include career opportunities, safety, floral design, and interiorscaping.	09	12
2019-2020	420071	Agribusiness Technology	A one-credit course designed to facilitate students' success in careers in agribusiness technology or to help them be more successful in any agricultural field. This course provides students with opportunities to acquire knowledge and skills related to agribusiness technology in the workplace.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	420072	Agribusiness Marketing	A one-credit course that provides students with the opportunity to develop an understanding of marketing principles and practices relative to agricultural products and services. Emphasis is placed developing a business plan; business strategies; and exploring marketing concepts, risks, advertising, agreements, and contracts.	09	12
2019-2020	420073	Agricultural Communications (one credit)	A one-credit course designed to enable students to effectively communicate in agribusiness settings. Emphasis is placed on conflict resolution, time management, and supervised agricultural experience programs. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420074	Agricultural Communications (one-half credit)	A one-half credit course designed to enable students to effectively communicate in agribusiness settings. Emphasis is placed on conflict resolution, time management, and supervised agricultural experience programs. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420075	Agribusiness Management (one credit)	A one-credit course that provides students with a basis for making management decisions; assessing and solving problems; appraising financial progress and success; and evaluating the management of resources, policies, regulations, and values that affect agricultural commodities. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420076	Agribusiness Management (one-half credit)	A one-half credit course that provides students with a basis for making management decisions; assessing and solving problems; appraising financial progress and success; and evaluating the management of resources, policies, regulations, and values that affect agricultural commodities. Specific content standards to be included in each course are indicated in the Course of Study chart.	09	12
2019-2020	420077	Senior Career Pathway Project-Agriculture, Food & Natural Resources	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.	11	12
2019-2020	420078	CTE Lab in Agriculture, Food and Natural Resources	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Agriculture, Food and Natural Resources through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	420100	Career Clusters Exploration through Agriscience	Clusters Exploration through Agriscience is a course that provides students with an understanding of the sixteen national career clusters. Students are involved in classroom and laboratory activities in each of the sixteen clusters. Students should be allowed ample time to apply content in real world applications. The purpose of the course is to expose students to a variety of career opportunities to help them make an informed career decision.,Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	07	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	420101	Fundamentals of Agriscience	Fundamentals of Agriscience is a course that provides students with a fundamental 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. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis for Fundamentals of Agriscience is based around the NCCER Core Curriculum including basic safety, construction math, hand tools, power tools, construction drawings, basic rigging, communication skills, employability skills, and materials handling. Fundamentals of Agriscience is a part of four courses that comprise the General Agriscience Program. This course should be offered in series along with Intermediate Agriscience, Advanced Agriscience, and Applied Agricultural Mechanics. It is strongly encouraged that Fundamentals of Agriscience be a required pre-requisite for the other courses in the program. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	420102	Intermediate Agriscience	Intermediate Agriscience is a course that provides students with an intermediate understanding 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. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis for Intermediate Agriscience is plant systems. The curriculum will provide opportunities for credentials utilizing resources from the Alabama Green Industry Training Center and NCCER. Intermediate Agriscience is part of a four course sequence that comprises the General Agriscience Program. This course should be offered in series along with Fundamentals of Agriscience, Advanced Agriscience, and Applied Agricultural Mechanics. It is strongly encouraged that Fundamentals of Agriscience be required as a pre-requisite for this course. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	420103	Advanced Agriscience	Advanced Agriscience is a course that provides students with an advanced understanding 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. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis for Advanced Agriscience is animal systems. The curriculum will provide opportunities for credentials utilizing resources from the Alabama Green Industry Training Center, NCCER, and various others. Advanced Agriscience is part of a four course sequence that comprises the General Agriscience Program. This course should be offered in series along with Fundamentals of Agriscience, Intermediate Agriscience, and Applied Agricultural Mechanics. It is strongly encouraged that Fundamentals of Agriscience be required as a pre-requisite for this course. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	420104	Applied Agricultural Mechanics	Applied Agricultural Mechanics is a course that provides students with an advanced understanding 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. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis for Applied Agricultural Mechanics is construction and power mechanics. Students should be allowed ample time in the laboratory to apply content in real world applications. The curriculum will provide opportunities for credentials utilizing resources from NCCER. Applied Agricultural Mechanics is part of a four course sequence that comprises the General Agriscience Program. This course should be offered in series along with Fundamentals of Agriscience, Intermediate Agriscience, and Advanced Agriscience. It is strongly encouraged that Fundamentals of Agriscience be required as a pre-requisite for this course. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	430004	Architecture, Construction, and Manufacturing	A one-credit course that introduces students to core knowledge and skills in the areas of design, preconstruction, construction, maintenance, operations, and installation and repair which are foundational to courses related to careers in the architecture and construction and manufacturing industries. This course is not a prerequisite for entering a specific pathway.	09	12
2019-2020	430010	Intermediate Drafting	A one-credit course designed to further the development of students' knowledge regarding the use of advanced drafting design practices and procedures. The prerequisite for this course is Introduction to Drafting Design.	09	12
2019-2020	430011	Advanced Drafting Design	A one-credit course for students who are interested in engineering and related mechanical drafting areas. The prerequisite for this course is Intermediate Drafting Design.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	430012	Structural Drafting	A one-credit course that covers the theory and practical applications necessary to understand the basic design and terminology of structural steel components used in commercial buildings. Students will produce engineering and shop drawings using the American Institute of Steel Construction (A.I.S.C.) manual. The prerequisite for this course is Intermediate Drafting Design.	09	12
2019-2020	430013	Introduction Architectural Design	A one-credit course that introduces students to the basic terminology, concepts, and principles of the architectural design field including basic residential design. The prerequisite for this course is Intermediate Drafting Design.	09	12
2019-2020	430014	Intermediate Architectural Design	A one-credit course that provides students with instruction and experiences in advanced architectural design concepts and principles including residential architectural layout and plans. The prerequisite for this course is Introduction to Architectural Design.	09	12
2019-2020	430015	Advanced Architectural Design	A one-credit course designed to provide students with increased instruction and emphasis on complex design considerations and construction drawings. Students will design and create presentations of residential house plans. The prerequisite for this course is Intermediate Architectural Design.	09	12
2019-2020	430016	Three-Dimensional Solid Model Design I	A one-credit course intended to introduce students to three-dimensional modeling utilizing three-dimensional capabilities of CAD software. The prerequisite for this course is Intermediate Drafting Design.	09	12
2019-2020	430017	Three-Dimensional Solid Model Design II	A one-credit course intended for advanced students in three-dimensional (3-D) design modeling. The prerequisite for this course is Three-Dimensional Solid Model Design.	09	12
2019-2020	430018	Exploring Advanced Manufacturing Engineering and Design	A one-half credit course that introduces students to current manufacturing technologies. Students will experience the Engineering Design Process, explore Computer-Aided Drafting, and gain insight into Additive Manufacturing (3D printing), Rapid Prototyping, and Composite Technology.	09	12
2019-2020	430021	Cabinetmaking I	A one-credit course designed to provide students with fundamental knowledge and skills emphasizing the use of hand tools and stationary power tools, materials and hardware, various types of joinery, and component assembly and installation.	09	12
2019-2020	430022	Cabinetmaking II	A one-credit course designed to provide students with knowledge and skills emphasizing preparation of surfaces, commonly used sealants and paints, and repairs and remedies. The prerequisite for this course is Cabinetmaking I.	09	12
2019-2020	430023	Cabinetmaking III	A one-credit course designed to provide students with advanced knowledge and skills emphasizing use of Computer Numerically Controlled Software and the machining process. The prerequisite for this course is Cabinetmaking II.	09	12
2019-2020	430054	Motor Control	A one-credit course that provides students with fundamental skills and knowledge in alternating and direct current motors and industrial motor control. The prerequisite for this course is Electrical Technology.	09	12
2019-2020	430058	Direct Current	A one-credit course designed to provide students with basic knowledge and skills in the electrical industry. Emphasis is placed on basic circuitry, measuring and calculating electrical quantities, characteristics of resistors, circuit construction, and troubleshooting.	09	12
2019-2020	430059	Alternating Current	A one-credit course that addresses principles and concepts of magnetism, measuring electrical quantities, calculating electrical quantities using Ohm's law in alternating current circuits, and reactive circuits.	09	12
2019-2020	430091	Plumbing and Pipefitting I	A one-credit course that designed to help students understand the basic fundamental principles and practices of plumbing and pipefitting. This entry-level course may be taken as one of the optional technical courses with credit applied to the Industrial Systems and Maintenance program.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	430092	Plumbing and Pipefitting II	A one-credit course designed to provide students with an increased emphasis on reading and following schematics, diagrams, and rough-in sheets; installing or repairing plumbing fixtures; and troubleshooting and making repairs. The prerequisite for this course is Plumbing and Pipefitting I.	09	12
2019-2020	430093	Plumbing and Pipefitting III	A one-credit course that emphasizes proper methods for joining all types of pipes and fittings, hanging and securing pipes, and using tools and materials. The prerequisite for this course is Plumbing and Pipefitting II.	09	12
2019-2020	430104	Computer Numerically Controlled (CNC) Wood Technology 1	Computer Numerically Controlled (CNC) Wood Technology 1 is a one-credit course that provides an introduction to CNC wood technology manufacturing processes and job opportunities for students who are pursuing careers in wood technology manufacturing. Students use critical-thinking skills and principles of science, mathematics, and safety. This entry level course may be taken in the Architecture/Construction cluster. Topics include and introduction to CNC safety, mathematics concepts, computer proficiency, programming CNC software, manufacturing of parts, and creating a two-dimensional design.	09	12
2019-2020	430105	Computer Numerically Controlled (CNC) Wood Technology 2	Computer Numerically Controlled (CNC) Wood Technology 2 is a one-credit course that provides advanced instruction for CNC wood technology manufacturing processes and job opportunities for students who are pursuing careers in wood technology manufacturing. Students use critical-thinking skills and principles of science, mathematics, and safety. This advanced level course may be taken in the Architecture/Construction cluster. Topics include advanced CNC safety, mathematics concepts, computer proficiency, programming CNC software, manufacturing of parts, and creating a two-dimensional design.	09	12
2019-2020	430129	Senior Career Pathway Project-Architecture & Construction	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.	11	12
2019-2020	431010	Utility Line Workers Foundation	The Utility Line Workers Foundation course is an introductory course in the Utility Line Workers Program. This course emphasizes NCCER Core credentialing, Math and Reading Application, Utility Line Worker Terminology, leadership and employability skills. Students completing this course could earn industry credentials in NCCER Core and the Construction and Skilled Trades (CAST) assessment commonly used by line workers.	09	12
2019-2020	431011	Utility Line Workers Level 1	The Utility Line Workers level 1 course is an intermediate course in the Utility Line Workers Program. This course introduces students to the utility industry, electrical theory and circuitry, common tools and practices. Students completing this course could earn industry credentials in NCCER and the Construction and Skilled Trades (CAST) assessment commonly used by line workers.	09	12
2019-2020	431012	Utility Line Workers Level 2	The Utility Line Workers Foundation course is an advanced course in the Utility Line Workers Program. This course emphasizes line worker safety, service equipment, and graphic math and spatial viewing. Students completing this course could earn industry credentials in NCCER Core and the Construction and Skilled Trades (CAST) assessment commonly used by line workers.	09	12
2019-2020	432301	NCCER Carpentry 1	This is the first of 3 required one-credit courses in the Carpentry pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand and power tools, building materials, fasteners, adhesives, and flooring systems needed for NCCER Carpentry Level I Credentialing.	09	12
2019-2020	432302	Nccer Carpentry 2	A one-credit course designed to provide students with advanced knowledge and skills emphasizing floor wall, ceiling, and basic construction layout needed for NCCER Carpentry Level I Credentialing.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	432303	NCCER Carpentry 3	A one-credit course designed to provide students with advanced knowledge, skills and practice emphasizing wall, ceiling, and roof framing, windows, entrance doors, and stair layout needed for NCCER Carpentry Level I Credentialing.	09	12
2019-2020	432304	Industrial Carpentry I	This one-credit course program is designed to provide students with the fundamental knowledge and skills for this area for the construction industry, specifically, the area of industrial carpentry. First semester emphasis is placed on safety, materials, tools, layout, communication, and employability.	09	12
2019-2020	432305	Industrial Carpentry II	This one-credit course program is designed to provide students with the additional knowledge and skills for this area for the construction industry, specifically, the area of industrial carpentry. First semester emphasis is placed on safety, materials, tools, layout, communication, and employability.	09	12
2019-2020	432501	NCCER Electrical Technologies 1	This is the first of 3 required one-credit courses in the Electrical Technologies Pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand tools, power tools, and electrical theory for use in the construction industry and required for NCCER Electrical Level I Credentialing.	09	12
2019-2020	432502	NCCER Electrical Technologies 2	This is the second of 3 required one-credit courses in the Electrical Technologies pathway. It is designed to provide students with theory, practice, and skills development. Emphasis is placed on fundamental knowledge and skills in basic wiring, understanding circuitry, performing basic wiring patterns, and using the National Electric Code (NEC) leading to NCCER Electrical Level I Credentialing.	09	12
2019-2020	432503	NCCER Electrical Technologies 3	This is the third of 3 required one-credit courses in the Electrical Technologies pathway. It is designed to provide students with theory, practice, and skills development. Emphasis is placed on application. Skills in intermediate wiring, circuitry, wiring patterns, and using the National Electric Code (NEC) leading to NCCER Electrical Level I Credentialing.	09	12
2019-2020	432504	Industrial Wiring	This one-credit course is designed to provide students with the fundamental knowledge and skills for this area of the construction industry. Emphasis is placed on job safety; cable tray, contractors and relays; industrial load calculations; raceway, box, and fitting fill requirements; lamps, ballasts, and components; and industrial conduit bending. Upon successful completion of this course, students assist in wiring a commercial building with supervision.	09	12
2019-2020	432505	Commercial Wiring	This one-credit course is designed to provide students with the fundamental knowledge and skills for this area of the construction industry. Students learn concepts related to distribution equipment, distribution system transformers, hazardous locations, load calculations for feeders and service, and standby and emergency systems. Upon successful completion of this course, students assist in wiring a commercial building with supervision.	09	12
2019-2020	432601	NCCER HVAC 1	This is the first of 3 required one-credit courses in the HVAC Technologies Pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand tools, power tools, HVAC theory and practice for use in heating, ventilation, air conditioning industry. This entry-level course is required for NCCER HVAC Level I credentialing.	09	12
2019-2020	432602	NCCER HVAC 2	This is the second of 3 required one-credit courses in the HVAC Technologies pathway. Topics include: HVAC theory, application, and the study of components and functions of refrigeration systems. Emphasis is placed on fundamental knowledge, guided practice and NCCER HVAC Level I requirements.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	432603	NCCER HVAC 3	This is the third of 3 required one-credit courses in the HVAC Technologies pathway. It is designed to provide students with theory, practice, and HVAC skills development. Emphasis is placed on application, installation, and operation of HVAC systems leading to NCCER HVAC Level I Credentialing.	09	12
2019-2020	432701	NCCER Masonry 1	This is the first of 3 required one-credit courses in the Masonry pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing safety, tools, measuring, blueprint reading and layout, and basic block and brick construction techniques leading to NCCER Masonry Level I Credentialing.	09	12
2019-2020	432702	NCCER Masonry 2	This is the second of 3 required one-credit courses in the Masonry pathway. It is designed to provide students with practice and skills development emphasizing safety, applications and intermediate block and brick construction techniques leading to NCCER Masonry Level I Credentialing.	09	12
2019-2020	432703	NCCER Masonry 3	This is the third of 3 required one-credit courses in the Masonry pathway. It is designed to provide students with practice and skills development emphasizing safety, applications and advanced block and brick construction techniques leading to NCCER Masonry Level I Credentialing.	09	12
2019-2020	432901	NCCER Welding 1	This is the first of 4 required one-credit courses in the Welding Technologies Pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand tools, power tools, welding theory and practice for use in the manufacturing and construction industry. This entry-level course is required for NCCER Welding Level I credentialing and may be taken as one of the optional technical courses with credit applied to the Industrial Maintenance Technology area.	09	12
2019-2020	432902	NCCER Welding 2	This is the second of 4 required one-credit courses in the welding Technologies pathway. Topics include: basic shielded metal arc welding, blueprint reading, weld symbols and joint identification and print reading. Emphasis is placed on fundamental knowledge guided practice and NCCER Welding Level I requirements.	09	12
2019-2020	432903	NCCER Welding 3	This is the third of 4 required one-credit courses in the Welding Technologies pathway. It is designed to provide students with theory, practice, and skills development. Emphasis is placed on application and operation of shielded metal arc welding (SMAW) equipment in the vertical, 3-F and overhead, 4-F positions leading to NCCER Welding Level I Credentialing.	09	12
2019-2020	432904	NCCER Welding 4	This is the fourth of 4 required one-credit courses in the Welding Technologies pathway. It is designed to provide students with additional practice, and skills development. Emphasis is placed on application and operation of shielded metal arc welding (SMAW) equipment and mastery in the vertical, 3-F and overhead, 4-F positions leading to NCCER Welding Level I Credentialing and AWS Plate certification.	09	12
2019-2020	432905	Groove Welds and Inspection	Groove Welds and Inspection is a one-credit course that provides students with instruction and demonstration in the shielded metal arc welding (SMAW) process on carbon steel plates with various size E-6010 and E-7018 electrodes in the 1-G flat and 2-G horizontal positions. This course also provides students with inspection skills and knowledge to evaluate welded joints and apply quality control measures as needed. Emphasis is placed on interpreting welding codes, welding procedures, and visual inspection methods. Upon successful completion of the course, students are able to visually identify acceptable weldments as prescribed by the code of welding specification report and are able to make visually acceptable groove weld joints in accordance with the American Welding Society (AWS) D1.1 welding certification procedures. The prerequisite for this course is Applied Welding II with Carbon Arc Cutting.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	432906	Gas Metal Arc Welding	This is a one-credit course that provides instruction regarding various transfer methods of gas metal arc welding (GMAW) fillet welds. Topics include safety, equipment setup, joint design and preparation, and gas flow rates. Upon successful completion of this course, students are able to perform 1-F flat fillet, 2-F horizontal fillet, 3-F vertical up-and-down fillet, and 4-F overhead fillet weld positions. While students are encouraged to continue welding courses in sequence, students may, with teacher permission and in accordance with local industry needs, begin this course after successful completion of the prerequisite course, of Applied Welding I with Plasma Arc Cutting.	09	12
2019-2020	432907	Flux Cored Arc Welding	Flux cored arc welding (FCAW) is a one-credit course that provides students with opportunities to examine safety and technical information in metal fabrication and participate in hands-on activities in the laboratory. Topics include career opportunities, safety, planning metal structures, identification and selection, and weld quality.	09	12
2019-2020	432908	Gas Tungsten Arc Welding 1	This is a one-credit course that provides students with instruction and hands-on activities utilizing the gas tungsten arc welding (GTAW) process for producing fillet welds in the 1-F flat and 2-F horizontal positions using both ferrous and non-ferrous metals according to American Welding Society (AWS) D1.1 code. Topics include safety of operation and setup of GTAW equipment and the selection of tungsten, polarity, shielding gas, and filler metals. Upon successful completion of this course, students are able to produce fillet welds on ferrous and non-ferrous metals using the GTAW process according to AWS D1.1 code. Prerequisites for this course are Gas Metal Arc Welding and Flux Cored Arc Welding.	09	12
2019-2020	432909	Gas Tungsten Arc Welding 2	This is a one-credit course that provides students with instruction and hands-on activities utilizing the gas tungsten arc welding (GTAW) process for producing fillet welds in the 3-F vertical and 4-F overhead positions, using both ferrous and non-ferrous metals according to American Welding Society (AWS) D1.1 code. Topics include safe of operation of GTAW equipment; equipment setup; and selection of tungsten, shielding gas, and filler metals. Upon successful completion of this course, students are able to produce fillet welds on ferrous and non-ferrous metals using the GTAW process according to AWS D1.1 code. The prerequisite for this course is Gas Tungsten Arc Welding I.	09	12
2019-2020	432910	CTE Lab in Architecture & Construction	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Architecture and Construction through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	440004	Foundation of Arts, A/V Technology & Communications	A one-credit course designed to introduce students to the areas of Advertising Design, Animation, Commercial Photography, Graphic Arts, and Television Production.	09	12
2019-2020	440011	Introduction to Graphic Arts	A one-credit course that introduces students to basic principles, procedures, and operations of the printing industry. Emphasis is placed on image preparation, press operations, computer-to-plate printing processes, and finishing operations in a laboratory setting. A school-based laboratory is required for this course.	09	12
2019-2020	440012	Digital File Preparation	A one-credit course providing practical application of skills in word processing, interpreting production information, illustration, image editing, page layout, image capture, graphics, and manipulation of text. The prerequisite for this course is Introduction to Graphic Arts. A school-based laboratory is required for this course.	09	12
2019-2020	440013	Advanced Digital File Preparation and Output	A one-credit course that provides students with in-depth, hands-on industry-focused laboratory experiences. The prerequisites for this course are Introduction to Graphic Arts and Digital File Preparation. A school-based laboratory is required for this course.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	440014	Camera, Image Assembly & Platemaking	A one-credit course designed to prepare students to become proficient in prepress skills. The prerequisite for this course is Introduction to Graphic Arts. A school-based laboratory is required for this course.	09	12
2019-2020	440015	Offset Press Operations	A one-credit course that offers practical experiences in offset printing operations. The prerequisites for this course are Introduction to Graphic Arts and Digital File Preparation. A school-based laboratory is required for this course.	09	12
2019-2020	440016	Binding and Finishing	A one-credit course that offers students training in post-press finishing and binding operations. The prerequisites for this course are Introduction to Graphic Arts and Offset Press Operations. A school-based laboratory is required for this course.	09	12
2019-2020	440017	Introduction Television Production	A one-credit course that provides students with knowledge of television production skills and operations. Students participate in classroom and laboratory experiences in television performance, production, and operations. A school-based television studio is required for this course.	09	12
2019-2020	440018	Television Production-Writing, Production and Performing	A one-credit course that provides students with a variety of real-world learning opportunities through laboratory experiences in television writing, producing, and performing. The prerequisite for this course is Introduction to Television Production. A school-based television studio is required for this course.	09	12
2019-2020	440019	Television Production-Studio Operations	A one-credit course that provides students with opportunities to participate through real-world laboratory experiences in studio operations. The prerequisite for this course is Introduction to Television Production. A school-based television studio is required for this course.	09	12
2019-2020	440020	Television Production-Photography and Editing	A one-credit course that provides students with a variety of real-world learning opportunities through laboratory experiences in photography and editing for television productions. The prerequisite for this course is Introduction to Television Production. A school-based television studio is required for this course.	09	12
2019-2020	440021	Advanced Television Production	A one-credit course that provides students with opportunities to create and market video productions. The prerequisite courses for Advanced Television Production are Introduction to Television Production and a minimum of one additional Television Production course which includes Television Production—Writing, Producing, and Performing; Television Production—Studio Operations; or Television Production—Photography and Editing. A school-based television studio is required for this course.	09	12
2019-2020	440031	Introduction to Advertising Design	A one-credit course that provides students with instruction and experiences in an advertising design laboratory and studio environment.	09	12
2019-2020	440032	Digital Design	A one-credit course that provides students with hands-on experiences including computer operations, applications and procedures, type styles, desktop publishing, layout and design techniques, mechanical production files, formats, and workplace-related technology. The prerequisite for this course is Introduction to Advertising Design or an equivalent visual arts credit.	09	12
2019-2020	440033	Graphic Illustration	A one-credit course that provides students with experiences and instruction in object and information design. The prerequisite for this course is Digital Design.	09	12
2019-2020	440034	Studio Portfolio	A one-credit course that provides students with the opportunity to create projects utilizing traditional and electronic portfolio presentations. This course prepares students for postsecondary education and/or entry-level positions in the advertising design industry. The prerequisite for this course is Graphic Illustration.	09	12
2019-2020	440041	Introduction to Animation and Visual Communication	A one-credit course that is designed to introduce students to the animation industry including animation production and film direction. A school-based studio is required for this course.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	440042	Animation Layout	A one-credit course that provides students with the opportunity to explore illustration relative to settings, locations, and environments for animated film. Intro to Animation and Visual Communication or a satisfactory portfolio review by the instructor is the prerequisite for this course. A school-based studio is required for this course.	09	12
2019-2020	440043	Animation Character Development and Design	A one-credit course that provides students with the opportunity to develop and design animated characters emphasizing anatomy, film archetypes and stereotypes, figure drawing, and costume design. Intro to Animation and Visual Communication, Animation Layout, Storyboarding, or a satisfactory portfolio review by the instructor is the prerequisite for this course. A school-based studio is required for this course.	09	12
2019-2020	440044	Storyboarding	A one-credit course that provides students with the opportunity to illustrate and communicate ideas, themes, locations, and emotions through electronic, traditional, and digital media. The Introduction to Animation and Visual Communication, Animation Layout, or a satisfactory portfolio review by the instructor is the prerequisite for this course. A school-based studio is required for this course.	09	12
2019-2020	440045	Character Animation	A one-credit course that allows students to create animated stories including characters that appear self-motivated and have their own individual thought processes. Introduction to Animation and Visual Communication, Animation Layout, Storyboarding, and Animation Character Development and Design, or a satisfactory portfolio review by the instructor are prerequisites for the course. A school-based studio is required for this course.	09	12
2019-2020	440046	Animated Filmmaking	A one-credit course that provides students with the opportunity to produce entertaining animated films utilizing varied techniques. Introduction to Animation and Visual Communication, Animation, Layout, Storyboarding, Animation Character Development Design, Character Animation, or a satisfactory portfolio review by the instructor are prerequisites for this course. A school-based studio is required for this course.	09	12
2019-2020	440047	Advanced Animation Portfolio	A one-credit course that provides students with the opportunity to produce portfolio-quality animation utilizing varied techniques. Introduction to Animation and Visual Communication, Animation, Layout, Storyboarding, Animation Character Development Design, Character Animation, and Animated Filmmaking are prerequisites for this course. A school-based studio is required for this course.	09	12
2019-2020	440051	Introduction Commercial Photography	A one-credit course that provides students with the opportunity to experience practical training in current and emerging photographic technology focusing on the basics in camera, film development, darkroom procedures, safety, history, and composition principles.	09	12
2019-2020	440052	Medium Format Photography	A one-credit course designed to provide students with skills in studio techniques, photographic theory, medium format, and digital imaging. Introduction to Commercial Photography is the prerequisite for this course.	09	12
2019-2020	440053	Large Format Photography	A one-credit course that provides students with the skills needed to effectively organize, develop, create, and manage a commercial photography business. Introduction to Commercial Photography and Large Format Photography are the prerequisites for this course.	09	12
2019-2020	440054	Senior Career Pathway Project-Arts, A/V Tech & Communications	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.	11	12
2019-2020	440055	CTE Lab in Arts, AV Television, and Communication	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Arts, AV Television, and Communication through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	450001	Business Technology Applications (one-half credit):Pilot	A one-half credit course designed to introduce students to various technological applications and careers using technology media.	08	12
2019-2020	450004	Computer Essentials (35 instructional-hour course)	A 35 instructional-hour course designed for students in Grades 7 or 8 who want to master basic skills in word processing, database management, spreadsheet applications, multimedia presentations, and Internet research. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	07	08
2019-2020	450005	Computer Essentials (70 instructional-hour course)	A 70 instructional-hour course designed for students in Grades 7 or 8 who want to master basic skills in word processing, database management, spreadsheet applications, multimedia presentations, and Internet research. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	07	08
2019-2020	450006	Business Technology 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.	08	12
2019-2020	450007	Business Essentials	A one-credit foundation course where students develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in commerce and information technology careers.	09	12
2019-2020	450008	Business Skills Development	Business Skills Development is a 70-hour course for students in Grade 8 who want to further develop their business and technology skills. Students will create business projects, documents, and forms while learning about careers, essential business skills, communication skills, interpersonal skills, internet safety, and financial concepts. Projects and simulations promoting teamwork, leadership, and workplace skills offer additional opportunities for applications of knowledge and skills. The suggested prerequisite for this course is Computer Essentials.	08	08
2019-2020	450009	Foundations of Business Leadership	Foundations of Business Leadership is a one-credit course. Students develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in any career. Students examine leadership and management materials to determine impact on business and industry and legal and ethical behavior, determine how resources are managed to achieve company goals, and identify employability and essential skills needed to obtain a career and be successful in the workplace.	09	12
2019-2020	450011	Law in Society (one-half credit)	A one-half credit course designed to acquaint students with the basic legal principles common to business and personal activities. This course is an overview of criminal, civil, contract, and consumer law. Specific content standards to be included in this course are indicated in the Course of Study chart.	09	12
2019-2020	450012	Introduction to Programming	Introduction to Programming is a 70-hour course for students in Grade 8 to gain an understanding of basic computer programming concepts and logic. Students will be introduced to programming through a variety of projects and object based programming activities and applications. Students will explore and demonstrate business related skills such as teamwork, interpersonal skills and ethics while completing projects. The suggested prerequisite for this course is Computer Essentials.	08	08
2019-2020	450021	Business Finance (one credit)	A one credit course designed to provide students with an overview of the principles of business finance. The curriculum focuses on economics, marketing, accounting procedures, and the global financial market. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	09	12
2019-2020	450022	Business Finance (one-half credit)	A one-half credit course designed to provide students with an overview of the principles of business finance. The curriculum focuses on economics, marketing, accounting procedures, and the global financial market. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	450031	Advanced Business Technology Applications	A one-credit course that provides students with project-based applications of concepts learned in Business Technology Applications or Business Essentials. Students will use various software applications to prepare documents for publication and generating information. The prerequisite for this course is Business Technology Applications or Computer Applications.	09	12
2019-2020	450032	Senior Career Pathway Project-Business, Management & Administration	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.	11	12
2019-2020	450033	CTE Lab in Business Management & Administration	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Business Management & Administration through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	460004	Teen Discoveries (35 instructional-hour course)	A 35 instructional-hour exploratory course offered at Grade 7 to adolescent students. Emphasis is placed on understanding the physical, intellectual, emotional, and social development of teenagers; grooming habits; and character education. A school-based laboratory is required for this course.	07	07
2019-2020	460005	Teen Discoveries (70 instructional-hour course)	A 70 instructional-hour exploratory course offered at Grade 7 to adolescent students. Emphasis is placed on understanding the physical, intellectual, emotional, and social development of teenagers; grooming habits; and character education. A school-based laboratory is required for this course.	07	07
2019-2020	460006	Teen Discoveries (140 instructional-hour course)	A 140 instructional-hour exploratory course offered at Grade 7 to adolescent students. Emphasis is placed on understanding the physical, intellectual, emotional, and social development of teenagers; grooming habits; and character education. A school-based laboratory is required for this course.	07	07
2019-2020	460007	Teen Connections (70 instructional-hour course)	A 70 instructional-hour exploratory course offered at Grade 8 for adolescent students. Emphasis is placed on teen connections in the home, school, and community. A school-based laboratory is required for this course.	08	08
2019-2020	460008	Teen Connections (140 instructional-hour course)	A 140 instructional-hour exploratory course offered at Grade 8 for adolescent students. Emphasis is placed on teen connections in the home, school, and community. A school-based laboratory is required for this course.	08	08
2019-2020	460009	Education and Training	A one-credit foundation course designed for students who are interested in pursuing a career in education. The required school-based laboratory is a well-equipped classroom. This course is a prerequisite for Early Childhood Education I, Teaching I, Educational Leadership, and Professional Support Services in Education.	09	12
2019-2020	460011	Teaching I	A one-credit course that aids students in implementing the teaching and learning processes. The prerequisite for this course is Education and Training. The required school-based laboratory is a well-equipped classroom.	09	12
2019-2020	460012	Teaching II	A one-credit course that provides students with advanced knowledge and skills used in the education field. The prerequisites for this course are Education and Training and Teaching I. The required school-based laboratory is a well-equipped classroom.	09	12
2019-2020	460013	Early Childhood Education I	A one-credit course for students who are interested in pursuing careers that require working with children and teaching in an early childhood education program. The prerequisite for this course is Education and Training. The required school-based laboratory is an early childhood education facility.	09	12
2019-2020	460014	Early Childhood Education II	A one-credit course that provides students with advanced knowledge and skill used to direct, operate, and teach in an early childhood education program. The prerequisites for this course are Education and Training and Teaching II. The required school-based laboratory is an early childhood education facility.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	460015	Education & Training Internship	A one-credit course designed for students interested in pursuing an internship experience in an educational field. Students who have completed Teaching II, Early Childhood Education II, Professional Support Services in Education, or Educational Leadership are eligible to enroll in the Education and Training Internship. A school-based laboratory (actual classroom providing grade level subject-matter instruction) is required for the internship.	09	12
2019-2020	460021	Professional Support Services in Education	A one-credit course designed for students who are interested in pursuing careers in the professional support services area of education. The prerequisite for this course is Education and Training. The required school-based laboratory is a well-equipped classroom.	09	12
2019-2020	460022	Professional Training and Consultation (140-instructional hour course)	This is a one-credit course designed to prepare high school students for a career as a corporate trainer, adult educational facilitator/presenter, or motivational speaker in the field of their choice. Emphasis is placed on meeting educational and training needs of business and industry and equipping students for the role of life-long learners. Students will focus on assessing and engaging adult learners, applying adult learning principles and learning styles, exploring facilitator roles, exhibiting professionalism in the work place, and utilizing appropriate resources. The course content provides opportunities for exploring employment and entrepreneurial opportunities; creating/managing learning environments; designing/planning and evaluating training programs that will positively impact business and industry results; developing leadership skills; effective communication and presentation skills; as well as the effective use of training tools, techniques, and delivery methods. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	460031	Educational Leadership	A one-credit course designed for students who are interested in pursuing a career in administration and supervision in the educational field. The prerequisite for this course is Education and Training. The required school-based laboratory is a well-equipped classroom.	09	12
2019-2020	460032	Senior Career Pathway Project-Education & Training	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.	11	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	460033	Preschool CDA I	<p>This is a one-credit course taught in grade 10. During this course, students will spend a minimum of twenty-four hours on instruction. Ten hours of instruction must be provided in CDA Subject Area One (Planning a Safe and Healthy Learning Environment) and ten hours in Subject Area Six (Maintaining a Commitment to Professionalism). Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 3-5. Students will spend one day in class and four days in a licensed or state regulated preschool child care setting. It is recommended the course be offered in a 90 minute block. The Preschool CDA series of courses are designed to prepare students for employment in the field of preschool education and to prepare them for the Child Development Associate (CDA) a national credentialing program for the preschool setting. Students must successfully complete CDA I, II, III, IV, and V to be eligible to take the CDA certification exam. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.</p>	10	10
2019-2020	460034	Preschool CDA II	<p>This is a one-credit course taught in grade 10. During this course, students will spend a minimum of twenty-four hours on instruction. Ten hours of instruction must be provided in CDA Subject Area Three (Supporting Children’s Social and Emotional Development) and ten hours in Subject Area Eight (Understanding Principles of Child Development and Learning). Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 3-5. Students will spend one day in class and four days in a licensed or state regulated preschool child care setting. It is recommended the course be offered in a 90 minute block.</p> <p>The Preschool CDA series of courses are designed to prepare students for employment in the field of preschool education and to prepare them for the Child Development Associate (CDA) a national credentialing program for the preschool setting. Students must successfully complete CDA I, II, III, IV, and V to be eligible to take the CDA certification exam.</p> <p>Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.</p>	10	10

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	460035	Preschool CDA III	This is a one-credit course taught in grade 11. During this course, students will spend a minimum of twenty-four hours on instruction. Ten hours of instruction must be provided in CDA Subject Area Two (Advancing Children’s Physical and Intellectual Development) and ten hours in Subject Area Seven (Observing and Recording Children’s Behavior). Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 3-5. Students will spend one day in class and four days in a licensed or state regulated preschool child care setting. It is recommended the course be offered in a 90 minute block. The Preschool CDA series of courses are designed to prepare students for employment in the field of preschool education and to prepare them for the Child Development Associate (CDA) a national credentialing program for the preschool setting. Students must successfully complete CDA I, II, III, IV, and V to be eligible to take the CDA certification exam. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.	11	11
2019-2020	460036	Preschool CDA IV	This is a one-credit course taught in grade 11. During this course, students will spend a minimum of twenty-four hours on instruction. Ten hours of instruction must be provided in CDA Subject Area Four (Building Productive Relationships with Families) and ten hours in Subject Area Five (Managing an Effective Program). Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 3-5. Students will spend one day in class and four days in a licensed or state regulated preschool child care setting. It is recommended the course be offered in a 90 minute block. The Preschool CDA series of courses are designed to prepare students for employment in the field of preschool education and to prepare them for the Child Development Associate (CDA) a national credentialing program for the preschool setting. Students must successfully complete CDA I, II, III, IV, and V to be eligible to take the CDA certification exam. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.	11	11

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	460037	Preschool CDA V	<p>This is a one-credit course taught in grade 12. During this course, students will spend a minimum of twenty-four hours on instruction. The twenty-four hours of instruction for this course should be in CDA Subject Area Four (Building Productive Relationships with Families) to complete the Family Survey Questionnaires and in Subject Area Six (Maintaining a Commitment to Professionalism) to complete the CDA Professional Portfolio and to practice interviewing skills in preparation of the CDA professional Development Specialist visit. Additional hours of instruction may be spent revisiting the other CDA Subject Areas to complete the required twenty-four hours. Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 3-5. Students will spend one day in class and four days in a licensed or state regulated preschool child care setting. It is recommended the course be offered in a 90 minute block.</p> <p>All 120 instructional hours and 480 lab hours must be completed before applying to take the CDA Exam and requesting a Verification Visit from the CDA Professional Development Specialist. At the time of the Verification Visit by a CDA Professional Development Specialist, the student will provide the Specialist with their portfolio, be interviewed by the specialist, and work with preschoolers in a licensed or state regulated preschool child care setting to demonstrate competence. It is recommended that students take the CDA Exam before the Verification Visit.</p> <p>The Preschool CDA series of courses are designed to prepare students for employment in the field of preschool education and to prepare them for the Child Development Associate (CDA) a national credentialing program for the preschool setting. Students must successfully complete CDA I, II, III, IV, and V to be eligible to take the CDA certification exam.</p> <p>Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.</p>	12	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	460038	Infant/Toddler CDA I	This is a one-credit course taught in Grade 10. During this course, students will spend a minimum of twenty-four hours on instruction within the developmental context of infants (young and mobile) and toddlers. Ten hours of instruction must be provided in CDA Subject Area One (Planning a Safe and Healthy Learning Environment) and ten hours in Subject Area Six (Maintaining a Commitment to Professionalism). Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 0-36 months. A candidate may work with all sub-groups or with one or two sub-groups in this age range. The Infant-Toddler sub-groups are young infants (birth-8 months), mobile infants (9-17 months), and toddlers (18-36 months). Experience may be limited to one sub-group, but the candidate must demonstrate knowledge of competencies with all sub-groups. Students will spend one day in class and four days in a licensed or state regulated child care setting. It is recommended the course be offered in a 90 minute block. The Infant/Toddler CDA series of courses are designed to prepare students for employment in the field of infant and toddler child care education and to prepare them for the Child Development Associate (CDA) a national credentialing program for the infant/toddler setting. Students must successfully complete CDA I, II, III, IV, and V to be eligible to take the CDA certification exam. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.	10	12
2019-2020	460039	Infant/Toddler CDA II	This is a one-credit course taught in Grade 10. During this course, students will spend a minimum of twenty-four hours on instruction within the developmental context of infants (young and mobile) and toddlers. Ten hours of instruction must be provided in CDA Subject Area Three (Supporting Children's Social and Emotional Development) and ten hours in Subject Area Eight (Understanding Principles of Child Development and Learning). Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 0-36 months. A candidate may work with all sub-groups or with one or two sub-groups in this age range. The Infant-Toddler sub-groups are young infants (birth-8 months), mobile infants (9-17 months), and toddlers (18-36 months). Experience may be limited to one sub-group, but the candidate must demonstrate knowledge of competencies with all sub-groups. Students will spend one day in class and four days in a licensed or state regulated child care setting. It is recommended the course be offered in a 90-minute block. The Infant/Toddler CDA series of courses are designed to prepare students for employment in the field of infant and toddler child care education and to prepare them for the Child Development Associate (CDA) a national credentialing program for the infant/toddler setting. Students must successfully complete CDA I, II, III, IV, and V to be eligible to take the CDA certification exam. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.	10	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	460040	Infant/Toddler CDA III	<p>This is a one-credit course taught in Grade 11. During this course, students will spend a minimum of twenty-four hours on instruction within the developmental context of infants (young and mobile) and toddlers. Ten hours of instruction must be provided in CDA Subject Area Two (Advancing Children’s Physical and Intellectual Development) and ten hours in Subject Area Seven (Observing and Recording Children’s Behavior). Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 0-36 months. A candidate may work with all sub-groups or with one or two sub-groups in this age range. The Infant-Toddler sub-groups are young infants (birth-8 months), mobile infants (9-17 months), and toddlers (18-36 months). Experience may be limited to one sub-group, but the candidate must demonstrate knowledge of competencies with all sub-groups. Students will spend one day in class and four days in a licensed or state regulated child care setting. It is recommended the course be offered in a 90-minute block.</p> <p>The Infant/Toddler CDA series of courses are designed to prepare students for employment in the field of infant and toddler child care education and to prepare them for the Child Development Associate (CDA) a national credentialing program for the infant/toddler setting. Students must successfully complete CDA I, II, III, IV, and V to be eligible to take the CDA certification exam. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.</p>	11	12
2019-2020	460041	Infant/Toddler CDA IV	<p>This is a one-credit course taught in Grade 11. During this course, students will spend a minimum of twenty-four hours on instruction within the developmental context of infants (young and mobile) and toddlers. Ten hours of instruction must be provided in CDA Subject Area Four (Building Productive Relationships with Families) and ten hours in Subject Area Five (Managing an Effective Program). Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 0-36 months. A candidate may work with all sub-groups or with one or two sub-groups in this age range. The Infant-Toddler sub-groups are Young Infants (birth-8 months), Mobile Infants (9-17 months), and Toddlers (18-36 months). Experience may be limited to one sub-group but the candidate must demonstrate knowledge of competencies with all sub-groups. Students will spend one day in class and four days in a licensed or state regulated child care setting. It is recommended the course be offered in a 90-minute block.</p> <p>The Infant/Toddler CDA series of courses are designed to prepare students for employment in the field of infant and toddler child care education and to prepare them for the Child Development Associate (CDA) a national credentialing program for the infant/toddler setting. Students must successfully complete CDA I, II, III, IV, and V to be eligible to take the CDA certification exam. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.</p>	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	460042	Infant/Toddler CDA V	<p>This is a one-credit course taught in Grade 12. During this course, students will spend a minimum of twenty-four hours on instruction within the developmental context of infants (young and mobile) and toddlers. The ten hours of instruction for this course should be in CDA Subject Area Four (Building Productive Relationships with Families) to complete the Family Survey Questionnaires and in Subject Area Six (Maintaining a Commitment to Professionalism) to complete the CDA Professional Portfolio and to practice interviewing skills in preparation of the CDA professional Development Specialist visit. Additional hours of instruction may be spent revisiting the other CDA Subject Areas to complete the required twenty-four hours. Laboratory experiences are a required component of this course. Students must spend a minimum of ninety-six hours working with children ages 0-36 months. A candidate may work with all sub-groups or with one or two sub-groups in this age range. The Infant-Toddler sub-groups are Young Infants (Birth-8 months), Mobile Infants (9-17 months), and Toddlers (18-36 months). Experience may be limited to one sub-group, but the candidate must demonstrate knowledge of competencies with all sub-groups. Students will spend one day in class and four days in a licensed or state regulated child care setting. It is recommended the course be offered in a 90-minute block.</p> <p>All 120 instructional hours and 480 lab hours must be completed before applying to take the CDA Exam and requesting a Verification Visit from the CDA Professional Development Specialist. At the time of the Verification Visit by a CDA Professional Development Specialist, the student will provide the Specialist with their portfolio, be interviewed by the specialist, and work with infants and toddlers in a licensed or state regulated infant and toddler child care setting to demonstrate</p>	12	12
2019-2020	460043	CTE Lab in Education & Training	<p>This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Education &amp; Training through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.</p>	09	12
2019-2020	470011	Banking and Financial Services	<p>A one-credit course designed to help students develop skills related to banking and related services as they process customer transactions, maintain cash drawer, process documents, and respond to customer requests to provide other customer services.</p>	09	12
2019-2020	470012	Accounting	<p>A one-credit course designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on basic accounting, analyzing and recording business transactions, preparing and interpreting financial statements, and performing banking and payroll activities.</p>	09	12
2019-2020	470013	Advanced Accounting	<p>A one-credit course designed to provide students with an increased emphasis on accounting principles and techniques for solving business problems and making financial decisions. The prerequisite for this course is Accounting.</p>	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	470014	College Accounting	College Accounting is a one-credit course designed to provide students with how accounting serves as an information system for both individuals and businesses. Students will acquire knowledge of the four business processes: business organization and strategy, operating, capital resources, and performance measurement and management. They will learn how these processes are used to provide long-term direction for a business as well as how they are used to evaluate a business's success. Students will also learn how to use the balanced scorecard approach to take a company's strategy and relate it to measurable objectives in the areas of financial, internal, customer, and learning and growth so that management has a tool to evaluate performance and plan for the future.	09	12
2019-2020	470021	Financial Management	A one-credit course designed to provide students with an overview of financial and investment planning procedures. Students interpret financial data to develop short- and long-term budgetary plans, produce accurate reports, and make informed business decisions.	09	12
2019-2020	470031	Insurance Services	A one-credit course designed to help students develop skills related to insurance services, including life, health, and property insurance, as they gain product knowledge of the industry. Students distinguish between policy types and coverage and create and complete insurance-related documents to process information.	09	12
2019-2020	470032	Commercial Insurance (one-half credit)	Commercial insurance is a one-half credit course designed to help students develop knowledge and skills related to commercial insurance, including property, liability and worker's compensation. Students examine characteristics of commercial insurance policies, learn how to file a claim and develop the skills needed to create a commercial insurance plan. Students evaluate business needs and determine the appropriate insurance coverage for a customer. Students also assess claims for the customer and determine if the insurance company has a legal obligation to pay the commercial claim. Prerequisite: Personal Insurance (470033)	09	12
2019-2020	470033	Personal Insurance (one-half credit)	Personal insurance is a one-half credit course designed to help students develop knowledge and skills related to personal insurance, including automobile, homeowners, life, and health. Students examine characteristics of personal insurance policies, develop the skills needed to create a personal insurance plan and learn how to file a claim. Students evaluate individual customer needs and determine the appropriate insurance coverage. Students will also understand the regulatory requirements that govern the insurance industry as well as the business financial risk associated with writing policies.	09	12
2019-2020	470041	Principles of Finance - NAF (one-half credit)	A one-half credit foundation course that introduces students to the concepts, tools, and institutions of finance. Emphasis is placed on financial literacy and the function of finance in society.	09	12
2019-2020	470042	Advanced Finance - NAF (one-half credit)	A one-half credit course designed to provide students with an increased emphasis on concepts, tools, and institutions of finance. The curriculum focuses on major areas of study, including cash flow, the business life cycle, and capital.	09	12
2019-2020	470043	Principles of Accounting - NAF (one-half credit)	A one-half credit course designed to provide students with an understanding of the accounting process. Students learn how to apply technology to accounting by creating formulas and inputting data into spreadsheets, examine career opportunities, and evaluate professional certifications and designations of the accounting profession.	09	12
2019-2020	470044	Financial Planning - NAF (one-half credit)	A one-half credit course that provides an overview of the principles and practices of financial planning. Emphasis is placed on saving, borrowing, credit, insurance, investments, retirement, and estate planning.	09	12
2019-2020	470045	Financial Services - NAF (one-half credit)	A one-half credit course that introduces students to the complex world of banks and various financial services companies with emphasis on ethics in the financial services industry.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	470046	Financial Reporting - NAF (one-half credit)	A one-half credit course that introduces students to the financial ratios and measures used to analyze the financial position and operating results of a company.	09	12
2019-2020	470047	Business Economics - NAF (one-half credit)	A one-half credit course that introduces students to the key concepts of economics: supply, demand, profit, costs, and markets. Emphasis is placed on forms of business ownership, relationships between labor and business, and factors influencing the global economy.	09	12
2019-2020	470048	Ethics in Business - NAF (one-half credit)	A one-half credit course that provides an overview of ethics in a business environment. Students explore ethical situations common in organizations and the impact of organizational culture on ethical practices.	09	12
2019-2020	470049	Business in a Global Economy - NAF (one-half credit)	A one-half credit course that provides students with an understanding of globalization, cultural and political differences that affect organization operations and decision making, international trade investment, and international finance.	09	12
2019-2020	470050	Entrepreneurship - NAF (one-half credit)	A one-half credit course that provides students with the skills needed to create and manage a business in a global economy. Students create a business plan after exploring the steps necessary to start, finance, and organize a business.	09	12
2019-2020	470051	Principles of Finance - NAF (one credit)	A one credit foundation course that introduces students to the concepts, tools, and institutions of finance. Emphasis is placed on financial literacy and the function of finance in society.	09	12
2019-2020	470052	Advanced Finance - NAF (one credit)	A one credit course designed to provide students with an increased emphasis on concepts, tools, and institutions of finance. The curriculum focuses on major areas of study, including cash flow, the business life cycle, and capital.	09	12
2019-2020	470053	Principles of Accounting - NAF (one credit)	A one credit course designed to provide students with an understanding of the accounting process. Students learn how to apply technology to accounting by creating formulas and inputting data into spreadsheets, examine career opportunities, and evaluate professional certifications and designations of the accounting profession.	09	12
2019-2020	470054	Financial Planning - NAF (one credit)	A one-credit course that provides an overview of the principles and practices of financial planning. Emphasis is placed on saving, borrowing, credit, insurance, investments, retirement and estate planning.	09	12
2019-2020	470055	Financial Services - NAF (one credit)	A one-credit course that introduces students to the complex world of banks and various financial services companies with emphasis on ethics in the financial services industry.	09	12
2019-2020	470056	Financial Reporting - NAF (one credit)	A one-credit course that introduces students to the financial ratios and measures used to analyze the financial position and operating results of a company.	09	12
2019-2020	470057	Business Economics - NAF (one credit)	A one-credit course that introduces students to the key concepts of economics: supply, demand, profit, costs, and markets. Emphasis is placed on forms of business ownership, relationships between labor and business, and factors influencing the global economy.	09	12
2019-2020	470058	Ethics in Business - NAF (one credit)	A one-credit course that provides an overview of ethics in a business environment. Students explore ethical situations common in organizations and the impact of organizational culture on ethical practices.	09	12
2019-2020	470059	Business in a Global Economy - NAF (one credit)	A one-credit course that provides students with an understanding of globalization, cultural and political differences that affect organization operations and decision making, international trade investment, and international finance.	09	12
2019-2020	470060	Entrepreneurship - NAF (one credit)	A one-credit course that provides students with the skills needed to create and manage a business in a global economy. Students create a business plan after exploring the steps necessary to start, finance, and organize a business.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	470061	Senior Career Pathway Project-Finance	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.	11	12
2019-2020	470062	Managerial Accounting - NAF (one-half credit)	A one-half credit course that introduces students to the fundamentals of management accounting, including manufacturing and cost accounting, budgeting, accounting for managerial decision-making, and financial statement analysis.	09	12
2019-2020	470063	Insurance - NAF (one-half credit)	Insurance is a one-half credit National Academy Foundation (NAF) course designed to introduce students to the insurance industry and to its critical role in the financial services sector and in society. It covers common types of insurance including life, health and disability, property liability, and forms of commercial insurance. Students examine the business model underlying the industry and how underwriting, actuarial science, and investment practices affect an insurance company's financial success as well as explore career opportunities related to insurance.	09	12
2019-2020	470064	Applied Finance - NAF (one-half credit)	Applied Finance is a one-half credit National Academy Foundation (NAF) course that delves into the financial concepts introduced in the NAF Principles of Finance course. Students learn to identify the legal forms of business organization and continue to develop an understanding of business cost, revenue, and profit. Students learn about various financial analysis strategies, evaluate financial documents, common methods to raise capital as well as explore globalization, employees, taxes and careers related to finance.	09	12
2019-2020	470065	CTE Lab in Finance	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Finance through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	480001	Air Force JROTC Leadership and Aviation History (one-credit)	A one-credit course which focuses on the development of flight throughout the centuries from ancient civilization to modern day. The course is also focuses on learning the value of elements of good citizenship and Air Force organizational structure, including uniform wear, military traditions, fitness, and individual self-control.	09	12
2019-2020	480002	Air Force JROTC Leadership and Science of Flight (one credit)	A one-credit course designed to acquaint students with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Students learn basic navigation including map reading, course plotting, and the effects of wind. Students will also apply basic communication, decision-making, personal-interactiona, managerial, and organizational skills.	09	12
2019-2020	480011	Management Principles (one credit)	A one-credit course designed to provide students with an understanding of the organizational functions of businesses, including quality concepts, project management, and problem solving. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	09	12
2019-2020	480012	Management Principles (one-half credit)	A one-half credit course designed to provide students with an understanding of the organizational functions of businesses, including quality concepts, project management, and problem solving. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.	09	12
2019-2020	480021	Air Force JROTC Leadership I (one-half credit)	A one-half credit course designed to introduce cadets to the Air Force Junior Reserve Officer Training Corps program. The curriculum focuses on elements of good citizenship and Air Force organizational structure including uniform wear, military traditions, fitness, and individual self-control.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	480022	Air Force JROTC Leadership II (one-half credit)	A one-half credit course designed to assist students in communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials.	09	12
2019-2020	480023	Air Force JROTC Leadership III (one-half credit)	A one-half credit course designed to provide students with an understanding of job searches and interviewing skills, college admissions, financial planning, and legal issues. Emphasis is also placed on citizenship responsibilities.	09	12
2019-2020	480024	Air Force JROTC Leadership IV (one-half credit)	A one-half credit course designed to provide students with hands-on experiences involving planning, organizing, coordinating, directing, controlling, decision-making, and managerial skills.	09	12
2019-2020	480025	Air Force JROTC Aviation History (one-half credit)	A one-half credit course which focuses on the development of flight throughout the centuries from ancient civilization to modern day. Emphasis is placed on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and astronomical and space exploration history.	09	12
2019-2020	480026	Air Force JROTC Science of Flight (one-half credit)	A one-half credit course designed to acquaint students with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Students learn basic navigation including map reading, course plotting, and the effects of wind.	09	12
2019-2020	480027	Air Force JROTC Global and Cultural Studies (one-half credit)	A one-half credit course that introduces students to various regions of the world from a geographic, historical, and cultural perspective.	09	12
2019-2020	480029	Air Force JROTC Leadership and Exploration of Space	A one-credit course designed to provide students with an advanced study of space exploration; issues that are critical to travel in the upper atmosphere, including unmanned satellites, trajectories, space probes, and guidance and control systems; and major milestones. Students will also apply basic communication, decision-making, personal-interactional, managerial, and organizational skills.	09	12
2019-2020	480030	Air Force JROTC Leadership and Management of the Cadet Corps and Financial Education	A one-credit course that provides opportunities for students to manage the entire cadet corps. This hands-on experience affords the cadets the opportunity to plan, organize, coordinate, direct, and control corps operations. Students will also practice communication, decision-making, personal-interactional, managerial, and organizational skills.	09	12
2019-2020	480031	Air Force JROTC Leadership and Cultural Studies	A one-credit course designed to provide students with an increased international awareness and insight into foreign affairs; an understanding of European, Middle Eastern, South and East Asian, African, and Latin American cultures; and an enhanced knowledge of America's interest and role in the world. Students apply prior leadership theory through hands-on practices and experiences.	09	12
2019-2020	480032	Air Force JROTC Leadership and Survival	A one-credit course designed to provide students with training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks.	09	12
2019-2020	480033	Air Force JROTC Honors Ground School	A one-credit course that provides the foundation for students interested in receiving a private pilot's license. Upon successful completion of this course, students should be prepared to take and pass the Federal Aviation Administration (FAA) written examination.	09	12
2019-2020	480034	Senior Career Pathway Project-AFJROTC (one-half credit)	This project is provided for those units who have students that want to continue on in AFJROTC during their senior year and receive honors credit. It will allow cadets to earn Honors Credit, and improve their leadership, management, and organizational skills. This culminating honors project is designed for cadets to demonstrate essential skills through reading, writing, speaking, production, and/or performance. The Honors Senior Project is primarily targeted for senior cadets in a three- or four-year program.	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	480035	Unlocking Your Potential-AFJROTC (one-half credit)	This course guides young people through a process that develops winning habit patterns and offers a “tool kit” they will carry with them for the rest of their lives. Participants learn about the ingredients that make up a person’s potential, how great achievers become successful, and how their techniques and systems can be applied.	11	12
2019-2020	480036	National Endowment for Financial Literacy-AFJROTC (one-half credit)	This course is a six-unit classroom curriculum that consists of six modules. The student guides are to be used as a workbook for the student. The NEFE High School Financial Planning Program® was designed for the 11th and 12th grade level. The high school program specifically focuses on basic personal finance skills that are relevant to the lives of pre-teens, teens, and young adults to lay a solid foundation for financial independence and future financial decisions.	11	12
2019-2020	480037	Congressional Medal of Honor Foundation-AFJROTC (one-half credit)	This course provides students with opportunities to explore the important concepts of courage, commitment, sacrifice, patriotism, integrity, and citizenship and how these values can be exemplified in daily life. While drawn from the personal accounts of living Medal of Honor recipients, this collection of lesson plans does not glorify or glamorize war. This course demonstrates and articulates many of the abstract principles upon which our nation was founded in a way that makes those principles very real.	11	12
2019-2020	480038	Pennsylvania Veterans Museum-AFJROTC (one-half credit)	This course guides students through a process that examines effective habit patterns and offers an opportunity for students to carry these experiences with them for the rest of their lives. Participants learn about the ingredients that make up a person’s potential, how great achievers become successful, and how their techniques and systems can be applied. The museum is dedicated to preserving, protecting, and promoting the legacy and dignity of all veterans of the U.S. military. Their focus is to tell the stories of America’s conflicts through the eyes of those who served in them.	11	12
2019-2020	480039	Veterans National Education Program-AFJROTC (one-half credit)	This course provides students with historically accurate, media-rich, educational resources with a focus on events “as seen through the eyes of veterans”. Students become more engaged, thoughtful citizens by exploring both current world affairs and history, developing critical thinking and decision-making skills, and better understanding America’s most cherished values of freedom and democracy.	11	12
2019-2020	480040	Cadet Guide/Handbook-AFJROTC (one-half credit)	This course provides unit operating instruction on uniform wear, personal appearance and classroom procedures, and saluting. It also provides information on cadet promotions, and operational and functional areas of logistics, personnel, support, and public affairs.	11	12
2019-2020	480041	Army JROTC Leadership Education and Training I (LETI)	A one-credit course that provides first-year cadets with classroom and laboratory instruction in the history, customs, traditions, and purpose of Army JROTC. Emphasis is placed on leadership skills, principles, values and attributes, and diversity.	09	12
2019-2020	480042	Army JROTC Leadership Education and Training II (LETII)	A one-credit course designed to provide intermediate instruction in leadership and citizenry, and the expansion of skills taught in LET I. Emphasis is placed on communication techniques, cadet challenges, American citizenship, map reading, and the role of the U. S. Army.	09	12
2019-2020	480043	Army JROTC Leadership Education and Training III (LETIII)	A one-credit course designed to provide advanced instruction in leadership and citizenry, communication, history and career opportunities, and technology awareness. Students will have hands-on experiences as teacher/leaders within the cadet battalion.	09	12
2019-2020	480044	Army JROTC Leadership Education and Training IV (LETIV)	A one-credit course that provides opportunities for students to demonstrate leadership potential in an assigned command or staff position within the cadet battalion organizational structure. Emphasis is placed on negotiation skills and management principles.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	480045	Army JROTC 1b	This course is designed to develop an understanding of leadership traits and principles, citizenship, oral communication, physical fitness, health/wellness including drug prevention and CPR, motivational techniques such as “Unlocking Your Potential” and an awareness of military history.	09	12
2019-2020	480046	Army JROTC 2b	This course is designed to develop proficiency in health/wellness and CPR techniques, and an appreciation for self-awareness techniques (“Winning Colors”), modern technologies, career opportunities, and role of the U.S. Army, military history, and physical fitness.	09	12
2019-2020	480047	Army JROTC 3b	This course develops an understanding of the justice system (military and civilian), the role of the U.S. Armed forces, safety (hunting and boating), orienteering, physical fitness, new technologies, military history, and motivational learning techniques such as “Power Learning.”	09	12
2019-2020	480048	Army JROTC 4b	This course develops proficiency in command and staff procedures, physical fitness, military parades and ceremonies, citizenship, science and new technologies and communications. Students must demonstrate ability to speak to large audiences, perform staff briefings and prepare staff reports, write resumes and cover letters, and complete job applications. They must also apply problem solving/decision making skills in leadership and supervisory positions of authority.	09	12
2019-2020	480051	Marine Corps JROTC Leadership Education I (LE-I)	A one credit course that provides an introduction to MCJROTC purposes, requirements, and traditions. Emphasis is placed on leadership, core values, patriotism, public service, career exploration, and communication.	09	12
2019-2020	480052	Marine Corps JROTC Leadership Education II (LE-II)	A one credit course that builds on LE-I and provides instruction and training in military history, rank and structure; corps symbols; citizenship; effective writing skills; employment skills; and branches of federal government.	09	12
2019-2020	480053	Marine Corps JROTC Leadership Education III (LE-III)	A one-credit course that focuses on Marine Corps rank and organization; team training; inspections and evaluations; leadership styles; military service etiquette; college preparation; land navigation; and military service structure. Cadets are exposed to more practical applications and assume leadership roles.	09	12
2019-2020	480054	Marine Corps JROTC Leadership Education IV (LE-IV)	A one-credit course that provides instruction and experiences in advanced leadership skills, conflict resolution, selective service system, personnel inspections; and Marine air-ground task force. Emphasis is placed on the national Marine Corps competencies, portraits of patriots and great Americans; written communication; and research.	09	12
2019-2020	480055	Marine Corps JROTC Leadership Education I-A (Accelerated)	This course is used to supplement and reinforce the instruction given in Leadership Education I. More instruction is given on General Military Subjects, drill and marksmanship competitions, and school and community service. Minimum performance requirements for the course are based on successful completion of competencies according to the national Marine Corps JROTC curriculum. This course is designed for 9th graders. Prerequisite: Marine Corps JROTC Leadership Education I.	09	09
2019-2020	480056	Marine Corps JROTC Leadership Education II-A (Accelerated)	This course is used to supplement and reinforce the instruction given in Leadership Education II. More instruction is given on General Military Subjects, drill and marksmanship competitions, and school and community service. Minimum performance requirements for the course are based on successful completion of competencies according to the national Marine Corps JROTC curriculum. This course is designed for 10th graders. Prerequisite: Marine Corps JROTC Leadership Education II.	10	10

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	480057	Marine Corps JROTC Leadership Education III-A (Accelerated)	This course is used to supplement and reinforce the instruction given in Leadership Education III. More instruction is given on General Military Subjects, drill and marksmanship competitions, and school and community service. Minimum performance requirements for the course are based on successful completion of competencies according to the national Marine Corps JROTC curriculum. This course is designed for 11th graders. Prerequisite: Marine Corps JROTC Leadership Education III.	11	11
2019-2020	480058	Marine Corps JROTC Leadership Education IV-A (Accelerated)	This course is used to supplement and reinforce the instruction given in Leadership Education IV. More instruction is given on General Military Subjects, drill and marksmanship competitions, and school and community service. Minimum performance requirements for the course are based on successful completion of competencies according to the national Marine Corps JROTC curriculum. This course is designed for 12th graders. Prerequisite: Marine Corps JROTC Leadership Education IV.	12	12
2019-2020	480061	Navy JROTC Naval Science 1 (NS1): Introduction to the US Navy	A one-credit course that provides an introduction to NJROTC, career planning, leadership skills, citizenship and American Government, US Navy ships and aircrafts, wellness and first aid, survival skills, and geography. Students are also introduced to the basic principles of leadership.	09	12
2019-2020	480062	Navy JROTC Naval Science 2 (NS2): Maritime History, Leadership, and Nautical Sciences	A one-credit course designed to provide instruction in maritime history, leadership, maritime geography, oceanography, meteorology, astronomy, and physical science. The cadets will illustrate an understanding of people governments, military, and geopolitics.	09	12
2019-2020	480063	Navy JROTC Naval Sciences 3 (NS3): Naval Knowledge and Skills	A one-credit course to assist students in developing competencies in sea power and national security, military and international law, ship construction and organization, basic seamanship, maritime navigation, and naval weapons and aircraft.	09	12
2019-2020	480064	Navy JROTC Naval Science 4 (NS4): Advanced Naval Leadership	A one-credit course that provides opportunities for practical applications in leadership, case studies, citizenship, personal responsibilities, operational risk management, long- and short-range planning, and community involvement and interaction.	09	12
2019-2020	480066	Navy Science 1b-JROTC	This course is designed to develop knowledge of naval ships and their mission, ship construction and damage control and firefighting. Maritime Geography is introduced. Health/Wellness including drug awareness, CPR, physical fitness and basic military drill are continued.	09	12
2019-2020	480067	Navy Science 2b-JROTC	This course is designed to develop an understanding of navigation fundamentals, naval communication, intelligence and national security. First aid and health education, physical fitness and military drill are provided.	09	12
2019-2020	480068	Navy Science 3b-JROTC	This course provides naval history from WWII to Desert Storm, naval operations, meteorology and the principal of electricity. Ongoing physical fitness and military drill training is provided.	09	12
2019-2020	480069	Navy Science 4b-JROTC	This course continues advance leadership and ethics training. Students are required to demonstrate the ability to direct large groups, provide one-on-one instruction, present briefing and exhibit problem solving/decision making techniques.	09	12
2019-2020	480070	JROTC Leadership Application	This course provides students the opportunity to become proficient in the practical application of basic and advanced military skill through the development of individual leadership abilities, confidence, self-esteem, discipline, and teamwork. Content includes execution of military drill and ceremonies, physical training and leadership lab applications. Course is designed to give flexibility to cadets needing to take a required ½ credit course in another area of study and wanting to remain active in JROTC.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	480071	Geography-Maps and Regions, JROTC	This course is designed to build map reading and land navigation skill. It also develops global awareness as cadets compare physical, political, economic and cultural elements of continents, region and countries and examine the global nature of environmental issues.	09	12
2019-2020	480072	Success for Life-JROTC	This course is designed to provide for students a wide range of skill and habits that are life enhancing and important to success in any field of endeavor. Subjects included: Writing with a focus on business, technical and resume writing; Financial Management with a focus money management, credit budgeting taxes, home ownership and mortgages; Continuing Educational Opportunities and Healthy Lifestyle with focus on lifelong physical well-being and personal appearance/presentation.	09	12
2019-2020	480073	ACT/SAT Prep-JROTC	This course is designed to use the March2Success Distance Learning Course developed by the United States Army to enhance student skills in Math and Language Arts to improve student performance on college entrance tests. Computer lab will be necessary for this course.	09	12
2019-2020	480074	Leadership and Foundations for Success-JROTC	This course provides each student an understanding of leadership theories, techniques, traits and principles with an in depth focus on oral and written communication. Students develop a foundation of requisite skill necessary to successfully complete high school by focusing on personal self-awareness, brain structure and function, individual learning styles, multiple intelligences and conflict resolution.	09	12
2019-2020	480075	Citizenship and the Constitution-JROTC	This course is designed to provide the student an appreciation for the citizen's role in our democratic society. The US Constitution, its history and development and citizen's rights and responsibilities are studied.	09	12
2019-2020	480076	Senior Career Pathway Project-Government & Public Administration	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.	11	12
2019-2020	480077	Drill & Ceremonies Leadership Applications	This course is designed to further develop the leadership skills required to successfully direct and move unit formations. Fundamental skills include command and control techniques, team building, and problem solving.	09	12
2019-2020	480078	JROTC Leadership Lab 1	This freshman course is designed to assist cadets in becoming proficient in the practical application of basic leadership skills and to allow further training in the areas of land navigation, geography, first aid, health and wellness, physical fitness, rifle marksmanship, citizenship and civic responsibilities, team building, and conflict resolution.	09	12
2019-2020	480079	JROTC Leadership Lab 1b	This advanced freshman course further assists cadets in becoming proficient in the practical application of basic leadership skills and to allow further training in the areas of land navigation, geography, first aid, health and wellness, physical fitness, rifle marksmanship, citizenship and civic responsibilities, team building, and conflict resolution.	09	12
2019-2020	480080	JROTC Leadership Lab 2	This sophomore course to assist cadets in becoming proficient in the practical application of basic leadership skills and to allow further training in the areas of land navigation, geography, first aid, health and wellness, physical fitness, rifle marksmanship, citizenship and civic responsibilities, team building, and conflict resolution.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	480081	JROTC Leadership Lab 2b	This advanced sophomore course further assists cadets in becoming proficient in the practical application of basic leadership skills and to allow further training in the areas of land navigation, geography, first aid, health and wellness, physical fitness, rifle marksmanship, citizenship and civic responsibilities, team building, and conflict resolution.	09	12
2019-2020	480082	JROTC Leadership Lab 3	This junior course is designed to assist cadets in becoming proficient in the practical application of advanced leadership skills and to allow further training in the areas of land navigation, geography, first aid, health and wellness, physical fitness, rifle marksmanship, citizenship and civic responsibilities, team building, and conflict resolution.	09	12
2019-2020	480083	JROTC Leadership Lab 3b	This advanced junior course further assists cadets in becoming proficient in the practical application of advanced leadership skills and to allow further training in the areas of land navigation, geography, first aid, health and wellness, physical fitness, rifle marksmanship, citizenship and civic responsibilities, team building, and conflict resolution.	09	12
2019-2020	480084	JROTC Leadership Lab 4	This senior course is designed to assist cadets in becoming proficient in the practical application of advanced leadership skills and to allow further training in the areas of land navigation, geography, first aid, health and wellness, physical fitness, rifle marksmanship, citizenship and civic responsibilities, team building, and conflict resolution.	09	12
2019-2020	480085	JROTC Leadership Lab 4b	This advanced senior course further assists cadets in becoming proficient in the practical application of advanced leadership skills and to allow further training in the areas of land navigation, geography, first aid, health and wellness, physical fitness, rifle marksmanship, citizenship and civic responsibilities, team building, and conflict resolution.	09	12
2019-2020	480086	Air Force JROTC Exploration of Space	A one-half credit course designed to provide students with an advanced study of space exploration; issues that are critical to travel in the upper atmosphere, including unmanned satellites, trajectories, space probes, and guidance and control systems; and major milestones.	09	12
2019-2020	480165	Naval Leadership Lab and Drill 1	A one credit course (40 minutes daily) designed for the first year cadet to introduce, build and refine leadership/followership skills through practical applications of drill and other team activities. This course will have the same students for the entire school year.	09	12
2019-2020	480166	Naval Leadership Lab and Drill 2	A one credit course (40 minutes daily) designed for the second year cadet to build and refine leadership/followership skills through practical applications of drill and other team activities. This course will have the same students for the entire school year.	09	12
2019-2020	480167	Naval Leadership Lab and Drill 3	A one credit course (40 minutes daily) designed for the third year cadet to build and refine leadership/followership skills through practical applications of drill and other team activities. This course will have the same students for the entire school year.	09	12
2019-2020	480168	Naval Leadership Lab and Drill 4	A one credit course (40 minutes daily) designed for the fourth year cadet to build, refine and direct leadership/followership skills through practical applications of drill and other team activities. This course will have the same students for the entire school year.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	480411	Army JROTC Drill 1	The purpose of this course is to introduce freshman cadets to the theory and practice of military drill and ceremonies. Specific emphasis will be on individual movements unarmed, individual movements armed, squad drill, and platoon drill. In addition, basic color guard procedures will be taught along with specific instructions on how to properly render respect for the nation's colors at various indoor and outdoor ceremonies.	09	12
2019-2020	480412	Army JROTC Drill 2	The purpose of this course is to further develop the understanding of the theory and practice of military drill and ceremonies. Specific emphasis will be on unarmed and armed squad drill, platoon drill, and company drill. Cadets will be placed in advanced leadership positions within these formations. In addition, advanced color guard procedures will be taught along with specific instructions on how to properly render respect for the nation's colors at various indoor and outdoor ceremonies. Selected cadets will be placed in leadership positions within the color guard formations to include 4-person, 5-person, and 6-person color guards.	09	12
2019-2020	480413	Army JROTC Drill 3	Advanced color guard procedures are taught along with specific instructions on how to properly render respect for the nation's colors at various indoor and outdoor ceremonies. Selected cadets will be placed in leadership positions within the color guard formations to include 4-person, 5-person, and 6-person color guards. Furthermore, cadets will learn about how to form and execute honor guards and saber guards for various ceremonial functions.	09	12
2019-2020	480414	Army JROTC Drill 4	Cadets enrolled in this class are expected to be highly proficient in the advanced drill techniques and will serve as student-instructors for underclassmen. Cadets will be experts in individual and unit level movement techniques both armed and unarmed. Furthermore, these cadets will serve in leadership positions for the school's drill teams, color guards, honor guards, and saber guards. Classroom time is devoted to perfecting these skills and they will apply them in various school and community service activities.	09	12
2019-2020	480415	Army JROTC Drill 1b	This advanced freshman course further develops proficiency in drill & ceremonies and color guard procedures for the school's Varsity Drill & Color Guard teams. As a state recognized competitive event, this full block course allows cadets to achieve maximum proficiency in military precision drill. Cadets assigned to this course must be preapproved	09	12
2019-2020	480416	Army JROTC Drill 2b	This advanced sophomore course further develops proficiency in drill & ceremonies and color guard procedures for the school's Varsity Drill & Color Guard teams. As a state recognized competitive event, this full-block course allows cadets to achieve maximum proficiency in military precision drill. Cadets assigned to this course must be pre-approved.	09	12
2019-2020	480417	Army JROTC Drill 3b	This advanced junior course further develops proficiency in drill & ceremonies and color guard procedures for the school's Varsity Drill & Color Guard teams. As a state recognized competitive event, this full-block course allows cadets to achieve maximum proficiency in military precision drill. Cadets assigned to this course must be pre-approved.	09	12
2019-2020	480418	Army JROTC Drill 4b	This advanced senior course further develops proficiency in drill & ceremonies and color guard procedures for the school's Varsity Drill & Color Guard teams. As a state recognized competitive event, this full-block course allows cadets to achieve maximum proficiency in military precision drill. Cadets assigned to this course must be pre-approved.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	480419	CTE Lab in Government & Public Administration	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Government & Public Administration through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	490001	Biomedical Innovations - PLTW	A one-credit capstone course that allows students to design and conduct experiments related to the diagnosis, treatment, and prevention of disease or illness. Students will present the results of their work to an audience which may include representatives from the local healthcare or business community or the school's partnership team.	09	12
2019-2020	490004	Health Explorations (35 instructional-hour course)	A 35 instructional-hour course offered at grade 8 that introduces students to the health professions. Students explore a variety of career opportunities in Healthcare and related fields.	06	08
2019-2020	490005	Health Explorations (70 instructional-hour course)	A 70 instructional-hour course offered at grade 8 that introduces students to the health professions. Students explore a variety of career opportunities in Healthcare and related fields.	06	08
2019-2020	490006	Health Explorations (140 instructional-hour course)	A 140 instructional-hour course that introduces students to the health professions. Students explore a variety of career opportunities in Healthcare and related fields.	06	08
2019-2020	490007	Foundations of Health Science	A one-credit foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills. This course is a prerequisite to all courses in the Health Science cluster.	09	12
2019-2020	490010	Introduction to Careers in Healthcare (70 instructional-hour course)	Introduction to Careers in Healthcare is a 70 hour course that is designed for middle school students. A broad overview of the Health Science career cluster will be provided. Students will be introduced to the terminology, careers, history, basic skills, and technologies associated with each pathway in the Health Science career cluster. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices. The 70 hour course will include content standards 1-6. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	06	08
2019-2020	490012	Dental Assisting	A one-credit course that introduces students to the therapeutic profession by focusing on the care knowledge and skills required by workers in a dental office. This course prepares students to continue in this area into postsecondary education.	09	12
2019-2020	490013	Health Science Internship (one credit)	A one-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. Content Standards 1,3,4,5,6, and 9 must be taught for this one-credit course.	09	12
2019-2020	490014	Health Science Internship (two credits)	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.	09	12
2019-2020	490015	Human Body Structures & Functions	A one-credit course designed to help students learn care content that emphasizes the structure and functions of cells, tissues, organs, organization of the human body systems, and medical terminology. Scientific processes, problem-based learning and critical thinking are integral parts of the course.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	490016	Advanced Health Seminar	A one-credit course that provides an individualized learning experience for students who desire an in-depth study in at least one occupational area in the Health Science cluster. This course is a work-based, project-based research process. The prerequisites for this course are Foundations of Health Science and Health Science Internship.	09	12
2019-2020	490017	Diagnostic Services	A one-credit course designed to introduce students to careers in the diagnostic services pathway including electro-cardiographic technician, medical laboratory technologist, radiographic technician, and pathologist.	09	12
2019-2020	490018	Introduction to Careers in Healthcare (140 instructional-hour course)	Introduction to Careers in Healthcare is a 140 hour course that is designed for middle school students. A broad overview of the Health Science career cluster will be provided. Students will be introduced to the terminology, careers, history, basic skills, and technologies associated with each pathway in the Health Science career cluster. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices. The 140 hour course will include content standards 1-8. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	06	08
2019-2020	490021	Health Promotion & Wellness	A one-half credit course designed to enable students to develop an understanding of personal client, and community health; and provides a foundation for comprehensive preventive health and wellness in the health care delivery system.	09	12
2019-2020	490022	Introduction to Pharmacy	A one-credit course that introduces students to the pharmaceutical profession. The course covers content related to the history of medicine, mathematics, technology, legal issues, and technical skills.	09	12
2019-2020	490023	Therapeutic Services	A one-credit course that introduces students to occupations and functions in the therapeutic services pathways. Careers in this area include nursing, medicine, physical therapy, surgical technology, respiratory therapy, emergency medical technician, and more.	08	12
2019-2020	490024	Orientation to Health Science	Orientation to Health Science is a one credit course to assist students in making informed decisions regarding their college and career goals. Students will be given the opportunity to apply knowledge and skills related to the Health Science cluster. The course also includes information concerning the practices for promoting health, wellness, and disease prevention. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	490025	Sports Medicine Intermediate	Sports Medicine Intermediate is a one credit course that teaches fundamental skills to include therapeutic exercise regimens within the field of sports medicine. Students will explore the study of sports medicine and the relationship to risk management and injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The importance of health promotion, wellness, injury and disease prevention will be emphasized. Students will examine sports medicine facilities, policies, procedures, and protocols utilized in patient care. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	490026	Sports Medicine Advanced	Sports Medicine Advanced is a one credit course with strong emphasis on musculoskeletal injuries as well as the psychological and sociological responses to injuries and illness. Students will demonstrate critical thinking skills, patient care skills related to prevention, rehabilitation, and management, and communicate appropriate outcomes through oral and written communication. Course content will include an understanding of basic pathophysiology, kinesiology, and principles of treatment. An analysis of a variety of health situations involved in the sports medicine pathway will be conducted through project based learning, laboratory, simulation, and clinical experiences. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	11	12
2019-2020	490027	Patient Care Technician	Patient Care Technician is a one credit course that provides students the opportunity to become effective and efficient multi-skilled healthcare providers. Students will develop a working knowledge of advanced patient care skills, vital signs, 12-lead EKG's, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing. Essential workforce skills and safety will be emphasized, as well as, professional ethics and legal responsibilities. Students will ascertain employability skills and soft skills required by business and industry. Upon successful completion of required theory, lab, and simulation, students may be eligible to sit for Patient Care Technician Certification. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	11	12
2019-2020	490028	Sports Medicine Fundamentals	Sports Medicine Fundamentals is a one credit course that will provide an overview of the field of sports medicine as well as expose students to fundamental skills. The importance of legal and ethical concerns will be emphasized. Students will learn about career opportunities, medical terminology, safety, assessment and emergency preparedness in sports medicine. Career and Technical Student Organizations (CTSO) are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	490031	Health Informatics	A one-credit course that introduces students to the technology component of health services. Course content specifies core knowledge and skills related to the informatics pathway which includes interpreting electronic data, electronic communications, legal and ethical issues related to technology, use of medical equipment, and research.	09	12
2019-2020	490032	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. This course allows flexibility in individualizing the occupational focus to meet needs of the local system.	09	12
2019-2020	490033	Medical Terminology	A one-credit course designed for students to develop health care-specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language by incorporating medical terminology with anatomy and physiology and the disease process.	09	12
2019-2020	490034	Nurse Aide Training	Nurse Aide Training is a two-credit course. Students pursue skill mastery in the classroom, laboratory, and clinical area. The Nurse Aide Training program and Health Science instructor must be approved by the Alabama Department of Public Health (ADPH), Division of Health Care Services, for students to be eligible to take the National Nurse Aide Assessment. Students must successfully complete an approved program and pass the National Nurse Aide Assessment certification exam in order to become a Certified Nurse Aide (CNA). Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	11	12
2019-2020	490035	Medical Coding	Medical Coding is a one-credit course that is designed for students to gain knowledge about basic principles of coding and clinical classification systems. Students will study reimbursement methodologies, health records and data, health information requirements and standards, patient confidentiality, privacy, legal, and ethical issues. The course uses an integrated approach for teaching coding competencies by incorporating theory, lab, and application of skills. Medical Coding is recommended as a senior level course after completing Medical Terminology and Human Body Structures and Functions. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	490041	Introduction to Biotechnology	A one-credit course designed to provide an overview of the biotechnology field. This advanced senior-level course emphasizes skill development, application of scientific concepts of biomedical research and development, mendelian genetics, gene structure and function, inheritance patterns, genetic abnormalities, and the human genome project.	09	12
2019-2020	490042	Principles of Biomedical Sciences - PLTW	A one-credit course that involves the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate the human body systems and various health conditions.	09	12
2019-2020	490043	Human Body Systems - PLTW	A one-credit course that focuses on human physiology: how the body systems work together to maintain internal balance and good health.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	490044	Medical Interventions - PLTW	A one-credit course that provides students with experiences in investigating various medical interventions that extend and improve the quality of life including diagnostics, surgery, bio-nanotechnology, pharmacology, prosthetics, rehabilitation, and life cycle choices.	09	12
2019-2020	490045	Senior Career Pathway Project-Health Science	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.	11	12
2019-2020	490046	Nutrition in Healthcare	Nutrition in Healthcare is a one-credit course that is designed to introduce students to content regarding food composition and nutrition research and development as it relates to healthcare. A review will be conducted regarding the connection of diet and nutrition and the effects on body systems. Students will compare and contrast the relationship between nutrition diagnoses and a medical diagnosis. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	490048	Kinesiology & Biomechanics	Kinesiology & Biomechanics is a one-credit course that provides an overview of the field of kinesiology and biomechanics, as well as exposes students to fundamental skills involved in a sports medicine healthcare setting. Students will learn about the musculoskeletal anatomy of the human body, as well as the mechanical properties and structural behavior of the different body tissues. This course will introduce students to concepts of mechanics as they apply to human movement, particularly those pertaining to exercise, sport, and physical activity. Topics covered in this class will include structural and functional relationships in musculoskeletal tissues, application of stress and strain analysis to biological tissues, analysis of forces in human movement and function, and introduction to viscoelasticity of tissues.	09	12
2019-2020	490049	CTE Lab in Health Science	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Health Science through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	490050	Exercise Prescription & Physiology	Exercise Prescription & Physiology is a one-credit course that provides an overview of the principles of exercise testing and prescription based on current practices in physical education, physiology, and rehabilitation for normal, healthy individuals, and special populations. Course is designed to provide students with a basic understanding of laboratory and field assessment techniques used in exercise physiology, fitness and wellness facilities, and clinical situations. Instruction provided on the measurement and evaluation of muscular strength, anaerobic and aerobic fitness, cardiovascular and respiratory function, flexibility, and body composition. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	500011	Hospitality and 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 prerequisite for Culinary Arts I, Travel and Tourism I, and Lodging I. A school-based laboratory (commercial food service kitchen with a food serving and dining area) is required for the course.	09	12
2019-2020	500012	Culinary Arts 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. The prerequisite for this course is Hospitality and Tourism. A school-based laboratory (commercial food service kitchen with a food serving and dining area) is required for this course.	09	12
2019-2020	500013	Culinary Arts II	A one-credit course designed to provide students with advanced experiences in food production, management, and service. The prerequisite for this course is Culinary Arts I. A school-based laboratory (commercial food service kitchen with a food serving and dining area) is required for this course.	09	12
2019-2020	500014	Baking and Pastry Arts	This is a one -credit course designed to provide the principles of baking and pastry techniques. The course includes baking technologies, equipment, preparation procedures, production methods, pastry methods, chocolate and candy productions, science of bread baking, confections and desserts, showpieces, cost control, food safety, and presentation techniques to create fundamental baking to the latest pastry trends. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	500015	Event Planning	This is a one-credit course taught in grades 9-12. Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Concepts taught in the course to meet the needs of clients include planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training of staff, staging the event, calculating room and space requirements, providing necessary technology and equipment, planning food and beverage services, securing entertainment, understanding legal issues in event planning, and conducting post-evaluations of events. Students demonstrate leadership characteristics and make decisions based on integrating knowledge of financial, human resources, promotion, and event management principals. Students are prepared for various career opportunities in event planning.	09	12
2019-2020	500021	Travel and Tourism I	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. The prerequisite for this course is Hospitality and Tourism.	09	12
2019-2020	500022	Travel and Tourism II	A one-credit course designed to provided knowledge and skill in understanding economics, marketing operations, admissions to events, safety and security precautions, and local and regional markets. The prerequisite for this course is Travel and Tourism I.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	500023	Sports, Recreation, and Entertainment Management	This is a one-credit course designed to provide students with an opportunity to gain in-depth knowledge and skills related to the growing sports, recreation, and entertainment industries. The concepts of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring events, ticket distributions, and careers related to these industries are the major concepts addressed in the class. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	500031	Lodging I	A one-credit course designed to prepare students to perform tasks related to the operation of lodging facilities and the care of guests who use these facilities, either through direct guest contact or the provision of background services that enhance the guest experience. The prerequisite for this course is Hospitality and Tourism.	09	12
2019-2020	500032	Lodging II	A one-credit course that focuses on the application of basic principles of the hotel and lodging industry. Students develop skills in various functional areas of hotel operation, including front desk operations, guest registrations, housekeeping, convention sales, food and beverage services, and guest services. The prerequisite for this course is Lodging I. A school-based laboratory is required for this course.	09	12
2019-2020	500033	Delivering Great Customer Service - NAF	A one-half credit course that introduces students to the concept of service as a critical component of a hospitality or tourism business. Students analyze both exceptional and poor customer service in a variety of contexts, explore communication skills and strategies, use problem-solving skills to understand and eliminate barriers to communication and good service, and explore careers that focus on customer service.	09	12
2019-2020	500034	National Professional Certification in Customer Service - NAF	A one-half credit course designed to provide students with the competencies needed to pass the National Retail Federation Foundation's National Professional Certification in Customer Service exam. The credential is appropriate for students interested in obtaining a job or pursuing a career in retail and other industries that value customer service skills. The prerequisite for this course is Delivering Great Customer Service.	09	12
2019-2020	500035	Geography for Tourism - NAF	A one-half credit course that introduces students to the importance of geography in the hospitality and tourism industry through the study of travel or destination geography. Students will explore the world's geographic regions, focusing on factors that create desirable travel destinations: weather and climate, physical features, cultural elements, historical interest, and tourist attractions. Emphasis will also be placed on current trends in travel.	09	12
2019-2020	500036	Hospitality Marketing-NAF	A one-half credit course that introduces students to marketing objectives, strategies, and tools that are important in the hospitality industry. Students are exposed to a wide range of marketing options that are considered when creating marketing plans. Students also become familiar with each phase of marketing and with strategies to build business and brand equity, for both large-scale operations ( hotel chains) and smaller businesses (restaurants).	09	12
2019-2020	500037	Principles of Hospitality and Tourism - NAF	A one-half credit foundation course that provides an overview of the hospitality and tourism industry. Emphasis is placed on the history of the industry, traveler motivation, consumer needs, and factors affecting current offerings in the lodging, transportation, food and beverage, and entertainment sectors.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	500038	Sports, Entertainment, and Event Planning - NAF	A one-half credit course that introduces students to event planning: special events, sporting, and entertainment/performing arts events. Emphasis is placed on all aspects of event planning, including aligning events with goals, facility selection and management, personnel management and contracts, audience management (emergency planning, security measures, etc.), budgeting, revenue, ticket sales and box office management, marketing, fundraising, and sponsorship.	09	12
2019-2020	500039	Sustainable Tourism	A one-half credit course designed to help students understand the profound changes in the tourism industry. Students will explore the ramifications of tourism development (increased sustainability, profitability, and benefits to the surrounding communities), and examine the concept of ecotourism as a model for environmental and socioeconomic sustainability.	09	12
2019-2020	500040	Senior Career Pathway Project-Hospitality & Tourism	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.	11	12
2019-2020	500041	CTE Lab in Hospitality & Tourism	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Hospitality & Tourism through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	510001	Teen Challenges (35 instr-hr course) - Pilot Course	A 35 instructional-hour exploratory course for Grade 6 pre-adolescent students. Course content provides opportunities for students to explore personal development, grooming and health, communication skills, foods, clothing, living spaces, and career awareness. A school-based laboratory is required for this course.	06	06
2019-2020	510002	Teen Challenges (70 instr-hr course) - Pilot Course	A 70 instructional-hour exploratory course for Grade 6 pre-adolescent students. Course content provides opportunities for students to explore personal development, grooming and health, communication skills, foods, clothing, living spaces, and career awareness. A school-based laboratory is required for this course.	06	06
2019-2020	510003	Teen Connections (35 instructional-hr course)Pilot	A 35 instructional-hour exploratory course offered at Grade 8 for adolescent students. Emphasis is placed on teen connections in the home, school, and community. A school-based laboratory is required for this course.	08	08
2019-2020	510004	Family and Consumer Sciences	A one-credit course that provides students with core knowledge and skills in the areas of marriage and family, parenting and care giving, consumer sciences, apparel, housing, food and nutrition, and technology. A school-based laboratory is required for this course.	09	12
2019-2020	510005	Teen Challenges	A 35, 70, or 140 instructional-hour exploratory course for Grade 6 pre-adolescent students. Course content provides opportunities for students to explore personal development, grooming and health, communication skills, foods, clothing, living spaces, and career awareness. A school-based laboratory is required for this course.	06	06



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	510006	Exploring Career Pathways in Family and Consumer Sciences Clusters	This is a one- credit course that introduces middle school students to Career Clusters/Pathways in the field of family and consumer sciences. These pathways provide services or produce products consumed by individuals and families. In the Human Services Cluster, students will explore the Family Studies and Community Services; Early Childhood Development Services; Nutrition and Wellness; Fashion; Interior Design; and Consumer Services pathways. In the Education and Training Cluster, students will explore careers in the Early Childhood Education; Teaching; and Professional and Support Services pathways. Restaurant and Beverage and Food Services; Lodging; and the Recreation, Travel and Tourism pathways are included in the Hospitality and Tourism Cluster. Exposure to career opportunities in these pathways will allow students to successfully integrate their own interests and skills into a career plan. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	06	08
2019-2020	510007	STEM Connections	This is a year-long course taught in the eighth grade. Throughout the course the integration of sciences, technology, engineering, and math are used together in project-based learning experiences that apply these principles to real world applications rather than abstract concepts. STEM concepts are applied to such topics as nutrition and wellness, fashion and interior design, finance, and human growth and development are addressed in the course. Students develop communication, teamwork, organizational, time management, research, problem solving, decision making, and leadership skills that better prepare them for high school. STEM career opportunities are explored.	08	08
2019-2020	510008	Entrepreneurship in Family and Consumer Sciences	This is a one-credit course taught in grades 9-12 that includes the necessary knowledge and skills to own and operate a business. It is the intent of this course that entrepreneurial concepts be incorporated within the framework of family and consumer sciences-related free enterprise experiences within the Human Services Cluster career pathways, Hospitality and Tourism Cluster career pathways, and the Education and Training Cluster career pathways. It is anticipated that the business concepts should be introduced and integrated throughout the free enterprise experience to maximize student interest and impact. The course content focuses on business and financial planning, personnel management, marketing principles, business and labor laws, legal rights and responsibilities of ownership and communication. Other topics to be taught are market research, purchasing process system, distribution systems, warehouse and inventory control, salesmanship, sales promotion, and theft control that influence the flow of goods and services from producer to consumer. Students are prepared to create and manage their own Family and Consumer Sciences business or embark on a career related to business development.	09	12
2019-2020	510011	Food and Nutrition (one credit)	A one-credit course designed to enable students to explore the relationship between food, nutrition, fitness, and wellness. Students learn how to select and prepare nutritious foods. A school-based laboratory is required for this course.	09	12
2019-2020	510012	Food and Nutrition (one-half credit)	A one-half credit course designed to enable students to explore the relationship between food, nutrition, fitness, and wellness. Students learn how to select and prepare nutritious foods. A school-based laboratory is required for this course.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	510013	Chemistry of Food	A one-credit course designed to provide an in-depth study of the application of science principles to the scientific investigation of the production, processing, preparation, evaluation, and utilization of food. A school-based laboratory is required for this course.	09	12
2019-2020	510014	Dietetics	A one-credit course designed to provide students with advanced knowledge and skills used in nutrition and dietetics. Major topics include nutrition, meal planning, safety, food science, and professional behavior. A school-based laboratory is required for this course.	09	12
2019-2020	510016	Food Innovations and Media	<p>This is a one-credit course designed for students to learn how to express their creativity through foods. This course promotes critical thinking and decision making and develops food preparation, and communication and technology skills. Concepts such as the differences between images for marketing/advertising/public relations and consumer use; the differences between food for print and motion, e.g., web, video, TV; elements of styling: hyper-realism versus real-life; elements of photography: lighting, depth of field, angles; using and applying social media and digital design techniques; journalism skills; and trends in the food industry are included in the course.</p> <p>Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.</p>	09	12
2019-2020	510017	Sports Nutrition	<p>This course examines the relationship between nutrition, physical performance, and overall wellness. Students will learn how to choose nutritious foods for healthy lifestyles and peak performance. Health and disease prevention through nutrition, physical activity, and wellness practices are essential components of the course. This course emphasizes the metabolic process and management of food choices for optimal health and physical performance. Students are challenged to develop personal fitness and nutrition plans.</p> <p>Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.</p>	09	12
2019-2020	510018	Dietetics (one-half credit)	A half-credit course designed to provide students with advanced knowledge and skills used in nutrition and dietetics. Major topics include nutrition, meal planning, safety, food science, and professional behavior. A school-based laboratory is required for this course.	09	12
2019-2020	510021	Child Development (one credit)	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. A school-based laboratory is required for this course.	09	12
2019-2020	510022	Child Development (one-half credit)	A one-half 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. A school-based laboratory is required for this course.	09	12
2019-2020	510023	Parenting (one credit)	A one-credit course that allows students to focus on practical problems related to parenting roles and responsibilities. Topics include family structures, preparation for parenthood, and birth defects. A school-based laboratory is required for this course.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	510024	Parenting (one-half credit)	A one-half credit course that allows students to focus on practical problems related to parenting roles and responsibilities. Topics include family structures, preparation for parenthood, and birth defects. A school-based laboratory is required for this course.	09	12
2019-2020	510025	Child Services I	A one-credit course that provides students with knowledge and skills related to child growth and development and ways to provide services to children. A school-based laboratory is required for this course.	09	12
2019-2020	510026	Child Services II	A one-credit course designed to provide students with knowledge and skill to direct and manage services and facilities that impact the growth and development of children. The prerequisite for this course is Child Services I. A school-based laboratory is required for this course.	09	12
2019-2020	510027	Infant and Toddler Development	This is a one-credit course taught in grades 9-12 that includes an in-depth study of infant and toddler development. The course focuses on the knowledge and skills needed for career opportunities in this specialized stage of human development, language development, and cognitive development. The physical care, emotional needs, health and nutritional needs of infants and toddlers are addressed. Instruction based on the latest research and development on how to develop and provide enriching programs and environments for children under three years of age that maximize the development of the whole child is included in the course. Informal and formal observation techniques to observe, record, and interpret the behaviors of infants and toddlers in various settings are addressed in the program.	09	12
2019-2020	510031	Life Connections (one credit)	A one-credit course designed to focus on practical problems related to nurturing human development throughout the life span and life cycle. A school-based laboratory is required for this course.	09	12
2019-2020	510032	Life Connections (one-half credit)	A one-half credit course designed to focus on practical problems related to nurturing human development throughout the life span and life cycle. A school-based laboratory is required for this course.	09	12
2019-2020	510033	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. A school-based laboratory is required for the course.	09	12
2019-2020	510034	Family Studies & Community Service II	A one-credit course that provides students with knowledge and skill to determine client needs through the use of assessments, to provide intervention services, and suggests community services and resources that address the needs of the family and older adults. The prerequisite for this course is Family Studies and Community Services I. A school-based laboratory is required for the course.	09	12
2019-2020	510035	Counseling and Mental Health	This is a one-credit course designed to orientate students who are interested in working in counseling and mental health services. Careers in this field provide assistance to people with personal, family, educational, and mental health problems and need guidance in making career decisions. The content in the course includes the history of counseling, career investigation, stress management, mental illness, communication skills, client legal rights and ethical procedures, personal and client safety, and the counseling process.  Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	510036	Gerontology	This is a one-credit course designed to assist students in learning about careers that provide services to older adults. The course focuses on Gerontology, the study of the social, psychological, and biological aspects of aging; and the physical, mental, and social changes in people as they age. Concepts on resources, agencies, organizations, services, living facilities, laws, licensing standards, trends, advocacy, and issues affecting older adults are addressed in the course. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	510041	Fashion (one credit)	A one-credit course designed to introduce students to the selection and care of clothing and accessories for individuals and families throughout the life span. A school-based laboratory is required for this course.	09	12
2019-2020	510042	Fashion (one-half credit)	A one-half credit course designed to introduce students to the selection and care of clothing and accessories for individuals and families throughout the life span. A school-based laboratory is required for this course.	09	12
2019-2020	510043	Creative Arts (one-half credit)	A one-half credit course designed for students who are interested in acquiring knowledge and skills in art production and design in the areas of culinary arts, fashion design, graphic design, industrial design, and interior design. A school-based laboratory is required for this course.	09	12
2019-2020	510044	Fashion Design	A one-credit course designed for students interested in pursuing a career in fashion design. It provides students with knowledge and skills for application of artistic expression related to textiles, apparel, and fashion design. A fashion design studio is the required school-based laboratory for this course.	09	12
2019-2020	510045	Fashion Media	This is a one-credit course designed for students interested in fashion, fashion design, and apparel and textile design technology. Content provides opportunities for students to analyze consumer, culture and celebrity effects; research current and future trends; explore the fashion press and print process and E-commerce for fashion; engage in public relations and events management; and utilize and apply social media and digital design techniques, photographic styling applications, and journalism skills. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	510051	Housing (one credit)	A one-credit course designed to introduce students to the selection and planning of living environments to meet the needs and wants of individuals and families across the life span. Styles of housing, housing legislation and regulations, environmental and energy issues, home safety, and technology are included in this course. A school-based laboratory is required for this course.	09	12
2019-2020	510052	Housing (one-half credit)	A one-half credit course designed to introduce students to the selection and planning of living environments to meet the needs and wants of individuals and families across the life span. Styles of housing, housing legislation and regulations, environmental and energy issues, home safety, and technology are included in this course. A school-based laboratory is required for this course.	09	12
2019-2020	510053	Interior Design I	A one-credit course designed to introduce students to the historical aspects and contemporary trends in housing and interior design. An interior design studio is the required school-based laboratory for the course.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	510054	Interior Design II	A one-credit course designed to introduce students to the business practices and procedures of the interior design business. Students explore design project development. The prerequisite for this course is Interior Design I. An interior design studio is the school-based laboratory for the course.	09	12
2019-2020	510055	Art, Architecture, and Design	This is a one-credit course designed to introduce students to the influence of art and architecture on the professional field of interior design. Content in the course includes an in-depth application of the elements of design; history of architecture; architectural styles; influences of architectural design on culture; period furniture and furnishings; influence of technology and mass production; prosperity cycles through various historical periods; and careers in architecture, design and other related professions. Students will also learn how to utilize and apply social media and digital design techniques, photographic styling applications, and journalism skills. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	510057	Introduction to Real Estate Sales	This is a one-credit course taught in grades 9-12. Students will learn aspects of marketing real estate; the importance of customer and client service; the differences between land, real estate, and real property; laws and ethics governing the real estate industry; and appropriate licensure requirements in the industry. Additional career opportunities in the housing and real estate industry are explored. Laboratory experiences are an integral part of this course and may include field trips, job shadowing, internships, etc. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.	09	12
2019-2020	510058	Buying and Selling Real Estate	This is a one-credit course taught in grades 10-12. Students will learn aspects of buying, selling, and financing land, real property, and real estate; the listing of client's property; developing client relationships; following procedures for renting, leasing, and selling real estate; understanding contract terminology, staging of real estate; and showing property to clients. Laboratory experiences are an integral part of this course and may include field trips, job shadowing, internships, etc. Introduction to Real Estate Sales is a required prerequisite to this course. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.	10	12
2019-2020	510059	The Real Estate Brokerage Business	This is a one-credit course taught in grades 10-12. Students will acquire content knowledge and skills related to the real estate brokerage business. Requirements for office facilities, policies and operating procedures for effective operation, detailed tasks for marketing and listing real estate, commercial real estate sales, use of technology, and property management are topics addressed in the course. Laboratory experiences are an integral part of this course and may include field trips, job shadowing, internships, apprenticeships, etc. Buying and Selling Real Estate is a required prerequisite to this course. Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.	10	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	510060	Introduction to Cosmetology	A one-credit course designed to provide students with a study of concepts related to the cosmetology profession. Students gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling.	09	12
2019-2020	510061	Hair Coloring	A one-credit course designed to provide students with the study and experience in hair coloring and lightening. Emphasis is placed on color application, laws, and levels and classifications of color. The prerequisite for this course is Introduction to Cosmetology.	09	12
2019-2020	510062	Chemical Services	A one-credit course designed to focus on the theory of chemical services related to chemical hair texturing. Students gain initial, practical experience in performing various chemical texturing activities. The prerequisite for this course is Introduction	09	12
2019-2020	510063	Introduction to Spa Techniques	A one-credit course that focuses on the structure and function of various systems of the body. This course also provides hands-on experiences in facial massage techniques, skin care, and hair removal. The prerequisite for this course is Introduction to Cosmetology.	09	12
2019-2020	510064	Advanced Spa Techniques Application	A one-credit course that provides students with study and experiences in advanced hair removal, cosmetic applications, skin care, and massage techniques. The prerequisites for this course are Introduction to Cosmetology and Introduction to Spa Techniques	09	12
2019-2020	510065	Salon Practices and Management	A one-credit course designed to assist students in developing entry-level management skills for the cosmetology industry. Students practice all phases of cosmetology in a salon setting. The prerequisite for this course is Introduction to Cosmetology.	09	12
2019-2020	510066	Introduction to Nail Care and Application	A one-credit course designed to focus on all aspects of the nail care industry. Emphasis is placed on nail care history and opportunities, nail and skin services, sanitation and bacteriology, and salon conduct. This course is a prerequisite for Nail Art and Applications and State Board Practicum Pathway B.	09	12
2019-2020	510067	Nail Art & Applications	A one-credit course designed to provide students with a study and experiences in advanced nail techniques. Students apply procedures and techniques for nail sculpturing and nail art. This course is a prerequisite for State Board Practicum Pathway B.	09	12
2019-2020	510068	State Board Practicum	A one-credit culminating course designed to provide students with a comprehensive study of State Board procedures and practical applications in cosmetology and nail care. The course consists of Pathway A—Cosmetology (content standards 1-17) and Pathway B—Nail Care Services (content standards 1-11 and 18-20). The prerequisites for this course depend upon the licensure the student is pursuing.	09	12
2019-2020	510069	Senior Career Pathway Project-Human Services, FACS	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.	11	12
2019-2020	510070	Senior Career Pathway Project-Human Services, Cosmetology	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.	11	12
2019-2020	510074	CTE Lab in Human Services	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Human Services through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	510075	Natural Hair Styling Theory	Natural Hair Styling Theory is a one credit course designed to provide instruction on scientific concepts and natural hair care and services. Theory scope of content includes infection control, safety practices, human anatomy and physiology, client consultation, analysis, documentation, services, and procedures. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	510076	Natural Hair Styling Practicum	Natural Hair Styling Practicum is a one credit course designed to provide instruction on natural hair care services and techniques for styling and grooming natural hair. Core domain service areas include work area and client preparation, set-up of supplies, safe work practices, procedures related to services and design, and blood exposure procedure. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	510077	CTE Lab in Cosmetology	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Cosmetology through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	510160	Introduction to Barbering	Introduction to Barbering is a one-credit course that provides students with a study of concepts related to the Barbering profession. Specific topics include Barbering history and career opportunities, professional image, infection control, and basic fundamentals and principles of hair care and design. Students also gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling. Upon successful completion of this course, students are able to practice safety and sanitary precautions as they perform basic Barbering procedures. Introduction to Barbering is the prerequisite to Chemical Services, Hair Coloring, Salon Practices and Management, and State Board Practicum. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.	09	12
2019-2020	520005	Information Technology 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.	09	12
2019-2020	520006	Computer Programming Basic I	A one-half credit course using QBasic programming language where students will learn fundamental programming functions before progressing to a more advanced programming language in the future.	09	12
2019-2020	520007	Computer Science A, AP	A one credit college-level course following the curriculum established by the College Board Advanced Placement (AP) Program for computer science; emphasizes object-oriented programming methodology with a concentration on problem-solving and algorithm development.	09	12
2019-2020	520011	Database Design I	NOTE: The teacher of this course must hold JAVA credentialing. A one-credit course designed to provide students with the fundamentals of Structured Query Language database technology, including creating, sorting, querying, and preparing reports.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	520012	Database Design II	NOTE: The teacher of this course must hold JAVA credentialing. A one-credit course in which students implement an advanced Structured Query Language database, including writing the code, performing testing, and debugging the database. The prerequisite for this course is Database I.	09	12
2019-2020	520013	Database Design III	NOTE: The teacher of this course must hold JAVA credentialing. A one-credit course in which students analyze software packages, evaluate system and software requirements, implement an advanced database design project, and construct various kinds of conditional and iterative control statements. The prerequisite for this course is Database Design II.	09	12
2019-2020	520014	Java Programming	NOTE: The teacher of this course must hold JAVA credentialing. A one-credit course designed to provide students with a conceptual understanding of object-oriented programming. Students learn to use Java language's object-oriented technologies to solve business problems.	09	12
2019-2020	520015	Software Development	NOTE: The teacher of this course must hold C++ and/or JAVA credentialing. 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. It is recommended that Information Technology Fundamentals be taken prior to this course.	09	12
2019-2020	520018	Computer Science Principles, AP	College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.	10	12
2019-2020	520021	Networking I	Note: The teacher of this course must hold A+ or CISCO credentialing. 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.	09	12
2019-2020	520022	Networking II	NOTE: The teacher of this course must hold A+ or CISCO credentialing. 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 prerequisite for this course is Networking I.	09	12
2019-2020	520023	Networking III	NOTE: The teacher of this course must hold A+ or CISCO credentialing. A one-credit course designed to provide students with the skills needed to perform routing and switching in an enterprise network. Students configure a switch with virtual local area networking and inter-switch communication. The prerequisite for this course is Networking II.	09	12
2019-2020	520024	Networking IV	NOTE: The teacher of this course must hold A+ or CISCO credentialing. A one-credit course designed to provide students with the skills needed to design and support computer networks. The prerequisite for this course is Networking III.	09	12
2019-2020	520025	Computer Networking - NAF	A one-half credit course designed to introduce students to networking peer-to-peer and client/server networks. The course guides students through all phases of implementing and troubleshooting common TCP/IP Ethernet networks using network hardware connected with CAT 5/6 cable; network components, cables, and connectors; OSI model, protocols, and topologies; and implementing and troubleshooting a LAN and WANs. Students explore the history of networks and network-related careers.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	520026	Computer Systems - NAF	A one-half credit course designed to provide instruction in computer systems, including aspects of servicing, upgrading, and maintaining hardware and software. Students will learn to setup hardware, install software, connect to a network, and connect to the Internet. Emphasis is placed on servicing, upgrading, maintaining processing components, memory and storage components, input components, output components, and troubleshooting techniques.	09	12
2019-2020	520027	Network+ Certification - NAF	A one-half credit course provides advanced training in Computer Networking. The course prepares students for the CompTIA Network+ certification exam which validates a student's competency in managing, maintaining, troubleshooting, installing, and configuring basic network infrastructure.	09	12
2019-2020	520028	Database Design - NAF	A one-half credit course that introduces students to the basic concepts of database design and implementation. The course covers all aspects of the database life cycle and systemically works through the procedure of collecting requirements, planning, modeling, and creating a database and a database application. Students hone the skills required to classify information, identify relationships, and think logically.	09	12
2019-2020	520029	Digital Video Production - NAF	A one-half credit course that guides students through all phases of digital video production (pre-production and planning, executing and managing a video shoot, and editing and post-production techniques). Students will explore methods of sharing and broadcasting digital videos, including multiple platform versions, CDs and DVDs, and web delivery. Emphasis is placed on the latest methods of publicizing a digital video, including online search engines to direct viewers to the production.	09	12
2019-2020	520030	Graphic Design - NAF	A one-half credit course that introduces students to the technical and creative skills of a professional graphic designer. Students will learn the distinguishing features of communicating visually through graphic design, gain technical skills in Adobe Photoshop to equip them for graphic design work, and master the basic principles of graphic design elements such as color, typography, and images.	09	12
2019-2020	520031	Introduction to Programming - NAF	A one-half credit course that uses Python programming language to introduce students to basic programming skills. Students will learn the principles of programming by comparing Python to other programming languages. The course begins with algorithms, and lays a foundation of mastering variables, operators, and control structures. Students will learn to design programs, write functions, program documentation, formal debugging, and testing.	09	12
2019-2020	520032	Principles of Information Technology - NAF	A one-half credit foundation course that introduces students to hardware, looking at both peripherals and inside the box. Students explore the most common types of operating systems, software applications, and programming languages. Emphasis is placed on the types of networks and network typology, set-up of an email client/server connection, and careers in IT .	09	12
2019-2020	520033	Microsoft Office Specialist Extension-NAF	A one-half credit course designed to to prepare students for the Microsoft Office Specialist exams for the current versions of Word, Excel, and PowerPoint to validate competency in performing a wide range of simple and complex tasks using the application. Passing these Microsoft Office Specialist exams provides internship and job opportunities for students in a wide range of industry and business sectors.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	520034	Web Design - NAF	A one-half credit course that introduces students to the designing, building, and launching of websites. Students learn how the World Wide Web works, examine successful websites, and utilize HTML coding to create their web pages. Emphasis is placed on various web development tools, the principles of design, usability and accessibility issues, and web-based publishing tools, and web design careers.	09	12
2019-2020	520035	Web Design - Dreamweaver Certification	A one-half credit course designed to prepare students for the Adobe Certified Associate Web Communication exam, which tests their knowledge of Dreamweaver. This course is designed using Dreamweaver CS4 materials. Adaption may be necessary if utilizing Dreamweaver CS5 and preparing students for the Adobe Certified Associate Web Communication exam for Dreamweaver CS5.	09	12
2019-2020	520036	Principles of IT - IC3 Certification - NAF	A one-half credit course designed to prepare students for the IC3 Certification exam. The curriculum is geared to the Global Standard 3 (August, 2009) version of the IC3 exam, which includes Computing Fundamentals, Key Applications, and Living Online.	09	12
2019-2020	520037	Senior Career Pathway Project-Information Technology	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.	11	12
2019-2020	520038	Foundations of Informational Security	Note: The teacher of this course must hold at a minimum CCNA Security, CompTIA Network+, or Certified Ethical Hacker credentials. A one-credit course that introduces students to the field of Cyber Security. Students will become familiar with Microsoft Windows and Linux Operating Systems. They will learn to use multiple numbering systems and how these systems are used in network addressing and operating system configuration. Students will also gain experience in the areas of vulnerability identification, risk assessment, risk mitigation techniques, WiFi security, IP Addressing, and Informational Ethics. Co-requisite: Students must be concurrently enrolled in Algebra 1 or higher level math.	09	12
2019-2020	520039	Principles of Informational Security	Note: The teacher of this course must hold at a minimum CCNA Security, CompTIA Network+, or Certified Ethical Hacker credentials. A one-credit course that introduces students to computer network systems that are most commonly the focus of attack. Students will build and configure the common elements found on the Internet to include database servers, web servers, and web application servers. Students will be introduced to remote access terminal shells which will be vital toward penetration testing and attack vectors. Prerequisite: Foundations of Informational Security	09	12
2019-2020	520040	Cyber Forensics	Cyber Forensics is a one-credit course designed to provide students with skills involving a hands-on, career-oriented approach to learning enterprise network security that includes practical experiences. This course includes implementation activities using secure networking and computing best practices, along with other practical exercises for understanding security standards that govern organizational compliance, risk management, access control, and identity management. Students will learn key concepts and perform exercises that emphasize different aspects of enterprise security in terms of implementation, processes and procedures, and career opportunities. Prerequisites: Foundations of Informational Security and Principles of Informational Security must be successfully completed prior to taking this course.	10	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	520041	Introduction to Cyber Security	Introduction to Cyber Security provides students in Grade 8 with a basic understanding of computer structure and functionality, as well as ethics and security concepts which can be used to further their study/career path in high school and beyond. Students will experience hands-on activities to explore hardware and software components and implement basic computer security principles. Foundational concepts in computer storage, network connectivity, operating systems, and data structures are introduced. Additional topics include: coding concepts and practices; code processing within the computer; examining historical and emerging technologies; and discovering college and career pathways that are related to information technology and computing technology.	08	08
2019-2020	520042	Advanced Cyber Forensics	Advanced Cyber Forensics is a one-credit course designed to provide students with skills to use their intermediate knowledge to conduct systems and network penetration testing. This course will cover the methodologies behind attacks, various types of attack techniques and practice hands-on lab exercises using the latest attack tools, along with analyzing the business risks associated with being a vulnerable target. Students will select and complete a security specialization project such as forensics, mobile security, cloud security, or network security. The target certification is Certified Ethical Hacker. Prerequisites: Foundations of Informational Security, Principles of Informational Security, and Cyber Forensics must be successfully completed prior to taking this course.	11	12
2019-2020	520043	Exploring Computer Science	Exploring Computer Science is an introductory year-long high school computer science course for students in Grades 9-10 focused on foundational computer science concepts and computational practices. Students will be introduced to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Prerequisite: It is recommended that students have completed Algebra I prior to enrolling or be concurrently enrolled in Algebra I. Exploring Computer Science is designed to be a college preparatory high school course and thus, should provide a rigorous, but accessible, introduction to computer science. No previous computer science experience is required.	09	10
2019-2020	520044	Programming with Robots	Programming with Robots is a one-credit course designed to provide students with a conceptual understanding of flowcharts and object-oriented programming. Students learn to use EasyC /RobotC programming technologies to solve simple and complex, realistic and interesting problems. Topics also include language fundamentals and the EasyC /RobotC application programming interface (API). Students create classes, objects, and applications using EasyC /RobotC.	09	12
2019-2020	520045	Computer Science Discoveries	Computer Science Discoveries is a full-year introductory computer science survey course for students in Grades 6-8. The course takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. Students are empowered to create authentic artifacts and engage with CS as a medium for creativity, communication, problem solving, and fun.	06	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	520046	Computer Science Essentials - PLTW	Computer Science Essentials is a one-credit course that introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language.	09	12
2019-2020	520049	CTE Lab in Information Technology	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Information Technology through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	520050	Introduction to Computer Science-TEALS	Introduction to Computer Science - TEALS is a one-credit engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. Every unit culminates in a comprehensive project and roughly 75% of student time is spent building projects and practicing the skills they are learning	09	12
2019-2020	520051	Cybersecurity-PLTW	Cybersecurity - PLTW is a one-credit course that introduces students to the tools and concepts of cybersecurity and encourages them to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.	09	12
2019-2020	520052	CS Makers	CS Makers is a 70-hour stand-alone Computer Science course designed for students in Grade 8 that focuses on foundational Computer Science concepts, computational practices, and making things from software and computer hardware. The goal of CS Makers is to engage students in the computational practices of algorithm development, problem solving, and computer programming activities within the context of problems that are relevant to the lives of Alabama students. Students will design and create computational artifacts in a CS makerspace while exploring human/computer partnerships, digital citizenship, and the role of computers in society. Students will learn how to design items, develop algorithms, and create computer programs.	08	08
2019-2020	520053	Introduction to Python-MSIA (one-half credit)	Introduction to Python – MSIA (one-half credit) is an introductory course that focuses on Python language basics, introduction of data types, variables, input, functions, operators, conditional statements, loops, and incrementing. Students will be introduced to the basic structure of the Python language in a blended learning environment which includes video content, practice labs, and coding projects. Students will learn and practice coding in an online environment that requires only a modern Web browser and Internet access. Special software is not required.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	520054	Introduction to Python-MSIA (one credit)	Introduction to Python – MSIA is a one-credit introductory course that focuses on Python language basics such as data types, variables, input, functions, operators, conditional statements, loops, and incrementing. Python data structures such as strings, lists, and range sequences, as well as methods for working with these structures are introduced. Students will use the Python language to develop sustainable code. The Python language will be introduced in a blended learning environment which includes video content, practice labs, and coding projects. Students will learn and practice coding in an online environment that requires only a modern Web browser and Internet access. Special software is not required.	09	12
2019-2020	520055	Linux Fundamentals	Linux Fundamentals is a one-credit course that introduces students to the fundamental applications in Linux. Students will gain an understanding of the major components of the Linux operating system (OS), develop skills for OS installation and setup, recompile techniques, system configuration and other basic network applications, including network security. Upon successful completion of this course students will be able to perform command-line maintenance, install and configure a Linux computer, and configure basic networking. Available industry certifications include: CompTia Linux+, LPI Certifications, and TestOut Linux Pro. Prerequisites: Information Technology Fundamentals or Networking I must be successfully completed prior to taking this course.	10	12
2019-2020	530004	Principles of Public Service	A one-credit course designed to introduce students to the competencies related to public service job preparatory programs. Students develop knowledge and skills in fire management services, legal services, and law enforcement services.	09	12
2019-2020	530011	Introduction to Fire Science	A one-credit course designed to introduce students to the basic principles and procedures of fire fighting. Emphasis is placed on safety, fire behavior, communication equipment, fire extinguishers, structural design, personal protective equipment, ropes and knots, search and rescue, ground ladders, ventilation, fundamentals of a water supply system, fire hose, and water streams.	09	12
2019-2020	530012	Fire Fighting	A one-credit course designed to provide students with instruction in techniques of fire fighting. Emphasis is placed on safety, fire prevention and control, hazardous materials, sprinkler systems, first responder, and public relations. The prerequisite for this course is Introduction to Fire Science.	09	12
2019-2020	530021	Introduction to Law and the American Legal System	A one-credit course designed to introduce students to fundamental areas of law, the American legal system, and legal professions. Emphasis is placed on history and development of law, sources of law in society, civil law, criminal law and procedure, ethics and the justice system, reasoning skills, trial procedures, communication, and research skills.	09	12
2019-2020	530022	Introduction to Criminal Justice	A one-credit course designed specifically for students interested in criminal justice careers. The curriculum focuses on careers, ethics and professionalism, constitutional and criminal laws, court system, trial processes, juvenile justice and correctional systems, and human diversity.	09	12
2019-2020	530023	Police Patrol	A one-credit course designed to assist students in developing competencies in law enforcement. Emphasis is placed on patrol procedures, written reports, traffic control, defensive tactics, physical wellness and job-related health issues, business security, and drug enforcement.	09	12
2019-2020	530024	Senior Career Pathway Project-Law, Public Safety, Corrections & Security	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.	11	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	530025	CTE Lab in Law, Public Safety, Corrections, & Security	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Law, Public Safety, Corrections, & Security through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	540001	Introduction to Machine Tool for Industrial Systems - Pilot Course	A one-credit entry level course designed for students in grades 10-12. The course introduces students to basic machine shop skills and common industrial-related mechanical repairs. Emphasis is placed on scored pump and conveyor shafts, valve stems, and fabrication of support brackets and simple-shaped parts.	10	12
2019-2020	540002	Intermediate Machine Tool for Industrial Systems - Pilot Course	A one-credit course that provides students with advanced skills related to machining. Students gain hands-on experiences in repair and fabrication of mechanical systems required in industry. This course is designed for students in grades 10-12. The prerequisite for this course is Introduction to Machine Tool for Industrial Systems.	10	12
2019-2020	540004	Introduction to Manufacturing	A one-credit course designed to provide students with the fundamental knowledge and skills needed in the manufacturing industry with emphasis placed on job safety, use of manufacturing materials, primary manufacturing processes, secondary manufacturing processes, and manufacturing systems.	09	12
2019-2020	540015	Semiconductors	A one-credit course that is designed to provide students with instruction on job safety and characteristics and uses of semiconductors, symbols, semiconductor circuits, and analog circuits.	09	12
2019-2020	540021	Digital Electronics	A one-credit course that introduces students to digital fundamentals and number systems. Emphasis is placed on characteristics of digital circuit signals, logic gates, logic devices, and digital circuits.	09	12
2019-2020	540031	Introduction to Robotics	A one-credit course designed to introduce students to the fundamentals of robotics. The course emphasizes fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of robotic systems.	09	12
2019-2020	540032	Robotics Applications	A one-credit course with emphasis placed on the applications of a variety of robotic systems. Students will design and construct a robotic system with peripheral devices.	09	12
2019-2020	540041	Introduction to Precision Machining	A one-credit course that provides an introduction to machining processes and job opportunities for students who are pursuing careers in manufacturing. This entry-level course may be taken as one of the optional technical courses with credit applied to the Industrial Systems and Maintenance program.	09	12
2019-2020	540042	Introduction Computer Numerical Control	A one-credit course that introduces students to manufacturing processes and job opportunities in manufacturing with emphasis on National Skills Standards of the National Tool and Dies Association, Machining Association, and NIMS. The prerequisite for this course is Introduction to Precision Machining. This entry-level course may be taken as one of the optional technical courses with credit applied to the Industrial Systems and Maintenance program.	09	12
2019-2020	540043	Intermediate Computer Numerical Control	A one-credit course that provides practical applications to manufacturing processes including advanced CNC programming, set-up, and proper operations. The prerequisite for this course is Introduction to Computer Numerical Control.	09	12
2019-2020	540044	CAD & Computer-Aided Manufacturing I	A one-credit course that provides an introduction to manufacturing processes that includes CAD-CAM safety, mathematic concepts, computer proficiency, programming CAM software, manufacturing of parts, and creating a two- dimensional design.	09	12
2019-2020	540045	CAD & Computer-Aided Manufacturing II	A one-credit course that provides an introduction to manufacturing processes including CAD-CAM safety, advanced mathematical concepts, CAD-CAM project development, Computer Numerical Control (CNC) mill and lathe procedures, three-dimensional tool path operations, and verification. The prerequisite for this course is CAD-CAM I.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	540046	Coordinate Measuring Machine	A one-credit course that provides an introduction to manufacturing processes, quality assurance, and control. Emphasis is placed on safety, setup, data analysis, and demonstration of parts inspection procedures.	09	12
2019-2020	540047	Introduction to Lathe	A one-credit course that provides an introduction to the manufacturing process that uses basic lathe operations. Job shadowing and internship may be included as work-based learning strategies for this course. The prerequisite for this course is Introduction to Precision Machining.	09	12
2019-2020	540048	Introduction Mill, Drill Press, Surface Grinder	A one-credit course that provides an introduction to manufacturing processes including milling techniques, drill press techniques, and grinding techniques.	09	12
2019-2020	540049	Intermediate Lathe & Bench Work	A one-credit course that provides an introduction to machining technologies and job opportunities for students who are pursuing careers in manufacturing. The prerequisite for this course is Introduction to Lathe.	09	12
2019-2020	540050	Intermediate Mill and Surface Grinder	A one-credit course that provides an introduction to manufacturing processes including instruction in advanced milling and grinding operations. The prerequisite for this course is Introduction to Milling, Drill Press, and Surface Grinder.	09	12
2019-2020	540051	Senior Career Pathway Project-Manufacturing	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.	11	12
2019-2020	540061	Manufacturing 1	This is the first of 3 required one-credit courses in the Manufacturing Technologies Pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of safety, tools, theory and practice for use in the manufacturing industry. Students are introduced to concepts describing manufacturing processes and production. This entry-level course is required for NCCER core credentialing and begins to prepare students for MSSC assessments for credentialing.	09	12
2019-2020	540062	Manufacturing 2	This is the second of 3 required one-credit courses in the Manufacturing Technologies Pathway. It is designed to address many core requirements for MSSC credentialing and to provide students with fundamental knowledge and skills emphasizing quality practices and measurement common to the manufacturing industry. Students explore concepts of manufacturing processes and production. This course prepares students for MSSC Technician assessment and credentialing.	09	12
2019-2020	540063	Manufacturing 3	This is the third of 3 required one-credit courses in the Manufacturing Technologies Pathway. It is designed to address many core requirements for MSSC credentialing and to provide students with fundamental knowledge and skills emphasizing maintenance awareness and practices common to the manufacturing systems. This course helps prepare students for MSSC Technician assessment and credentialing.	09	12
2019-2020	540066	Telecommunications Cabling	The Telecommunications Data Cabling course of study is based on industry credentials as outlined with ETA-I (Electronics Technician Association) and BISCO, the internationally known and recognized cabling and installation industry standard for communications employees. This is a program designed to train students in the proper standards of installation and maintenance of data cabling, fiber optics, proper termination, equipment, and industry standards, certification and credentialing. This outline is based on standards approved and utilized by NIDA training equipment and other industry standards. Prerequisite: Direct Current	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	540067	Embedded Arduino Controls and Robotics Applications	This course is designed for students to utilize embedded controllers and systems to be prepared for work in the evolving Health Care, Industrial, Consumer, Automotive and Defense/Aerospace industries, Electronics and Robotics technologies fields. With complex systems and industries mentioned, the 21st Century Workforce must be able to meet the technological challenges by having individuals trained in electronics embedded systems and sensor technologies.	09	12
2019-2020	540068	Robotics Automation	This course is designed to meet the growing societal need to enhance science, technology, engineering, and mathematics (STEM) instruction in classrooms. This course will meet the call for integrated learning programs that allow teachers to engage students in creative and meaningful ways to utilize the automation of robotics while also meeting today's rigorous academic standards.	09	12
2019-2020	540070	Advanced Motor Control	This one-credit course is designed to provide students with the fundamental knowledge and skills needed in the electrical industry. Emphasis is placed on job safety, maintenance, motor components, advanced controls, high voltage terminations, heat tracing, and freeze protection. Upon successful completion of this course, students are able to perform basic tasks related to the electric motor industry.	09	12
2019-2020	540071	CTE Lab in Manufacturing	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Manufacturing through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	541000	Working in Multicultural Environments: Korean	This course will encourage appreciation of the similarities and differences between South Korea, Alabama, and the United States through an exploration of their geography, demography, culture, history, language, and workplace expectations. Students will identify the benefits and potential difficulties of working in diverse multicultural environments, develop interpersonal skills for multilingual Korean workplaces, and apply inferred knowledge to workplace scenarios.	09	12
2019-2020	542511	NCCER Industrial Maintenance - E&I 1	This is the first of 3 required one-credit courses in the Industrial Maintenance Electrical and Instrumentation Technologies Pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand tools, power tools, theory and practice for use in the Industrial Maintenance industry. This entry-level course is required for NCCER Industrial Maintenance E&I Level I credentialing.	09	12
2019-2020	542512	NCCER Industrial Maintenance - E&I 2	This is the second of 3 required one-credit courses in the Industrial Maintenance E&I Technologies Pathway. Topics include: Industrial Maintenance theory, application, and the study of components and functions of both mechanical and electrical systems. Emphasis is placed on fundamental knowledge, guided practice and NCCER Industrial Maintenance Mechanical Level I requirements.	09	12
2019-2020	542513	NCCER Industrial Maintenance E&I 3	This is the third of 3 required one-credit courses in the Industrial Maintenance E&I Technologies Pathway. Topics include: Industrial Maintenance theory, application, and the use and maintenance of components to safeguard functions of electrical and mechanical industrial systems. Emphasis is placed on application, guided practice and NCCER Industrial Maintenance E&I Level I requirements.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	542521	NCCER Industrial Maintenance - Mechanical 1	This is the first of 3 required one-credit courses in the Industrial Maintenance Mechanical Technologies Pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand tools, power tools, theory and practice for use in the Industrial Maintenance industry. This entry-level course is required for NCCER Industrial Maintenance Mechanical Level I credentialing.	09	12
2019-2020	542522	NCCER Industrial Maintenance - Mechanical 2	This is the second of 3 required one-credit courses in the Industrial Maintenance Mechanical Technologies Pathway. Topics include: Industrial Maintenance theory, application, and the study of components and functions of mechanical systems. Emphasis is placed on fundamental knowledge, guided practice and NCCER Industrial Maintenance Mechanical Level I requirements.	09	12
2019-2020	542523	NCCER Industrial Maintenance - Mechanical 3	This is the third of 3 required one-credit courses in the Industrial Maintenance Mechanical Technologies Pathway. Topics include: Industrial Maintenance theory, application, and the maintenance of components to safeguard functions of mechanical systems. Emphasis is placed on application, guided practice and NCCER Industrial Maintenance mechanical Level I requirements.	09	12
2019-2020	550011	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.	09	12
2019-2020	550012	Internet Marketing	Internet Marketing is a one-credit course which focuses on applying tools, strategies and processes to communicate digitally with targeted customers. Emphasis is placed on creating, implementing, and critiquing online advertising, email marketing, websites, social media, mobile marketing, search-engine optimization, video/images and podcasts/webcasts. Students will apply project management techniques to guide and control digital communications efforts. They will also create and repurpose content for use in digital environments. Technology, employability skills, leadership and communications will be incorporated in classroom activities.	09	12
2019-2020	550013	Sports and Entertainment Marketing Fundamentals	Sports and Entertainment Marketing is a one credit specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Sports Marketing addresses such diverse products as the sporting event itself, its athletes, sports facilities or locations, sporting goods, personal training, and sports information. Entertainment marketing includes events such as fairs, concerts, trade shows, festivals, plays, product launches, and causes. Students will develop skills in the areas of merchandising, advertising, public relations/ publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports 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.	09	12
2019-2020	550014	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. Technology, employability skills, leadership and communications will be incorporated in classroom activities.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	550015	Integrated Marketing Communications and Branding	Integrated Marketing Communications and Branding is a one-credit course where students create, execute, and evaluate promotional strategies and content for advertising, sales promotion, and publicity/public relations. Students apply project management techniques to guide and control promotional campaign development and execution. They also incorporate motivation theories, branding techniques and design principles in communications with targeted audiences. They will plan and implement procedures to use marketing communications that mitigate image or brand-damaging issues. Technology, employability skills, leadership and communications will be incorporated in classroom activities.	09	12
2019-2020	550016	Marketing Research (one-half credit)	Marketing Research is a one-half credit course designed to provide students with the skills necessary to conduct qualitative and quantitative marketing research using primary and secondary data. They will gather, synthesize, evaluate, and disseminate marketing information for use in business decision-making or to address a specific marketing problem or issue. Students will apply project management techniques to guide and control marketing-research activities. They will use statistical techniques to evaluate marketing data. Technology, employability skills, leadership and communications will be incorporated in classroom activities.	09	12
2019-2020	550021	Sales and Promotion Planning	A one-credit course that provides the tools necessary for the development, implementation, and management of promotional programs. The focus of this course is on utilizing promotional knowledge and skills for communicating information to achieve a desired outcome.	09	12
2019-2020	550022	Senior Career Pathway Project-Marketing, Sales & Service	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.	11	12
2019-2020	550023	Advanced Sports and Entertainment Marketing	Advanced Sports and Entertainment Marketing is a one-credit specialized course designed to help students gain knowledge and develop skills in determining the economic impact of sports and entertainment events, price setting, research, marketing, positioning, product/service management, and promotion and sales strategies. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Sports and Entertainment Marketing is a required prerequisite for this course.	10	12
2019-2020	550024	Marketing Pathway Exploration	Marketing Pathway Exploration is an exploratory course designed for students in Grade 8 to introduce them to pathways in the Marketing Cluster and to develop an understanding of the different careers available in each pathway. Marketing Pathway Exploration may be taught as a 70- or 140-hour course. For a 70-hour course, content standards 1, 2, 4, 5, and 9 must be taught. The project-based tasks require students to explore various marketing venues, develop an understanding of terminology, and acquire self-development skills to enhance relationships and improve efficiency in the work environment. Students are introduced to foundational concepts in marketing through the tools, techniques, and systems that businesses use to create exchanges and satisfy organizational objectives.	08	08
2019-2020	550025	CTE Lab in Marketing	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Marketing through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	560001	Design and Modeling- PLTW Gateway MS	A course that uses solid modeling as part of the design process. Students learn sketching techniques; use descriptive geometry as a component of design, measurement, and computer modeling; and develop ideas, create models, test and evaluate design ideas, and communicate solutions.	07	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	560002	Magic of Electrons - PLTW Gateway MS	A course designed for students to explore the science of electricity, behavior and parts of atoms, circuit design, and sensing devices. Students acquire knowledge and skills in basic circuitry design and explore the impact of electricity on their lives.	07	08
2019-2020	560003	Automation and Robotics - PLTW Gateway MS	A course that provides opportunities for students to trace the history, development, and influence of automation and robotics. Emphasis is placed on mechanical systems, energy transfer, machine automation, and computer control systems.	07	08
2019-2020	560004	Energy and the Environment - PLTW Gateway MS	A course designed for students to investigate the importance of energy and its impact on the environment. Students design and model alternative energy sources and evaluate ways to reduce consumption through energy efficiency and waste management techniques.	07	08
2019-2020	560005	Flight and Space - PLTW Gateway MS	A course where students study the history of aerospace through hands-on activities and research. Students explore the science of aeronautics and use this knowledge to design, build, and test a model glider.	07	08
2019-2020	560006	Science and Technology - PLTW Gateway MS	A course designed for student to learn applied physics, chemical engineering, and nanotechnology through exploratory activities and projects.	07	08
2019-2020	560007	Fundamentals of Aerospace Technology - Pilot I	A one-credit course designed to prepare students for careers and further study in aerospace technologies and related industries. Students apply fundamental concepts and principles of atmospheric flight to authentic situations. Emphasis is placed on propulsion systems, ballistic projectiles, and airplane wing design.	09	12
2019-2020	560008	Advanced Aerospace Technology - Pilot II	A one-credit course designed to deepen the student's preparation for careers and further study in aerospace technologies and related industries. Students apply advanced principles and theories of flight to authentic projects related to atmospheric and space flight. Emphasis is placed on pneumatic projectiles, aerodynamic forces, and quality management. The prerequisite for this course is Fundamentals of Aerospace Technology.	09	12
2019-2020	560011	Foundations of Engineering	A one-credit course designed to offer an overview of the engineering profession and fundamental skills utilized in general engineering.	09	12
2019-2020	560012	Engineering Applications	A one-credit course designed to explore the application of engineering principles in various technological areas including construction, transportation, communication, manufacturing, and bioengineering.	09	12
2019-2020	560013	Engineering Systems	A one-credit course designed to explore fluid, thermal, mechanical, and electrical systems involved in the engineering research and design process. Algebra II is the prerequisite for this course or may be taken concurrently.	09	12
2019-2020	560014	Engineering Research & Design	A one-credit course in the engineering field, recommended for students in Grades 11–12. Students conduct research and design engineering projects to enhance their abilities and expand their interest in the field of engineering.	11	12
2019-2020	560015	Introduction to Engineering Design - PLTW	A one-credit course that uses a design development process while enriching problem-solving skills. Students create and analyze models using specialized computer software.	09	12
2019-2020	560016	Principles of Engineering - PLTW	A one-credit course designed to explore technology systems and manufacturing processes.	09	12
2019-2020	560017	Digital Electronics - PLTW	A one-credit course that provides instruction and experiences in electronic circuitry.	09	12
2019-2020	560018	Aerospace Engineering - PLTW	A one-credit course that provides opportunities for students to develop projects with NASA-aerodynamics, astronautics, space-life sciences, and systems engineering.	09	12
2019-2020	560020	Civil Engineering and Architecture - PLTW	A one-credit course that introduces students to the interdependent fields of civil engineering and architecture. Students learn project planning, site planning, and building design.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	560021	Computer Integrated Manufacturing - PLTW	A one-credit course designed to enhance computer modeling skills by applying principles of robotics and automation to the creation of models of three-dimensional designs.	09	12
2019-2020	560022	Engineering Design and Development - PLTW	A one-credit research course designed for students to formulate the solution to an open-ended engineering question. Students create written reports, defend the reports, and submit them to a panel of outside reviewers at the end of the school year.	09	12
2019-2020	560023	Medical Detectives-PLTW Gateway MS (35 instructional-hour course)	Medical Detectives (MD) explores the biomedical sciences through hands-on projects and labs that require students to solve a variety of medical mysteries. Students investigate medical careers, vital signs, diagnosis and treatment of diseases, as well as human body systems such as the nervous system. Genetic testing for hereditary diseases and DNA crime scene analysis put the students in the place of real life medical detectives.	06	08
2019-2020	560028	Environmental Sustainability - PLTW	In Environmental Sustainability, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.	09	12
2019-2020	560029	App Creators - PLTW	App Creators introduces students to the field of computer science and the concepts of computational thinking, through the creation of mobile apps. Students are challenged to be creative and innovative, as they collaboratively design and develop mobile solutions to engaging, authentic problems. Students experience the positive impact of the application of computer science to society as well as other disciplines, particularly biomedical science.	06	08
2019-2020	560030	Basic Programming for Engineers	A one-credit course designed to provide students with an introduction to computer tools and computer programming languages used by engineers. Emphasis is placed on language fundamentals, algorithm analysis and solutions, program structures, data structures, object-oriented/modular structure, and overviews of computer hardware and software tools.	09	12
2019-2020	560031	Green Architecture-PLTW Gateway MS (35 instructional-hour course)	In a world of reduced resources and environmental challenges, it is important to present the concept of “being green” to the next generation of designers and builders. In this unit, students are introduced to architectural plans, construction styles, alternative materials and processes, dimensioning, measuring and architectural sustainability. Students use a 3D architectural software program to create an environmentally friendly home using shipping containers.	06	08
2019-2020	560032	Computer Science for Innovators and Makers - PLTW	Computer Science for Innovators and Makers teaches students that programming goes beyond the virtual world into the physical world. Students are challenged to creatively use sensors and actuators to develop systems that interact with their environment. Designing algorithms and using computational thinking practices, they code and upload programs to microcontrollers that perform a variety of authentic tasks. Students’ understanding of computer science concepts through meaningful applications will be broadened. Teams select and solve a personally relevant problem related to wearable technology, interactive art, or mechanical devices.	06	08
2019-2020	560109	Aerospace Engineering Applications	A one-credit course that allows students to further enhance their knowledge of space through a series of projects that include in-depth research, concept application, and prototype development. Students will develop a capstone project, complete a prototype and defend its development before a selected audience. The prerequisites for this course are Fundamentals of Aerospace Technology and Advanced Aerospace Technology.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	560110	Advanced Astronautics	A one-credit course designed to enhance students' knowledge of flight. Students will be engaged in projects that require extensive research, concept application, and prototype development. The capstone project will be presented and defended before a select panel of reviewers. The prerequisites for this course are Fundamentals of Aerospace Technology and Advanced Aerospace Technology.	09	12
2019-2020	560111	Senior Career Pathway Project-Science, Technology, Engineering & Math	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.	11	12
2019-2020	560112	Energy and Power Foundations	This course engages students in a variety of hands-on, authentic projects to learn about energy and power methods through the design and construction of motors, pumps, heat exchangers, hydraulics and pipeline systems. These are the technologies used in large power plant systems to run and maintain processes in energy generation plants. The rough contextual projects, students will learn and apply physics, chemistry, fluid mechanics, thermodynamics, algebra and statistics in learning how these systems interact in the energy and power arena. Students will learn how engineers and technicians use these systems in the real world to optimize efficiency. There are no pre-requisites for this course.	09	12
2019-2020	560113	Energy Transmission and Distribution	This course focuses on energy transmission and consumer usage. The rough projects, students will be introduced to AC and DC power, transformers, the electrical grid and Smart Grid, and consumer load on the electrical system. To complete projects, students will use Ohm's law, Joule's law of heating, root mean square, Pythagorean Theorem and trigonometric principles to understand how energy travels along power lines and is converted from direct current to alternating current to end up, ultimately, in homes and businesses. Students will gain an understanding of how power companies move power — stepping it up and down to meet the needs of the end-user — by designing working transformers, capacitors, inverters and a power supply. Energy and Power Foundations is a pre requisite for this course.	09	12
2019-2020	560114	Electronics and Control Systems	In this course, students will build on the knowledge and experience gained in the first two foundational courses. The rough projects, students will apply their knowledge to more advanced systems and learn how to program and use National Instrument's LabVIEW software and the myDAQ data acquisition device to work as engineers in making and analyzing countless scientific measurements. Students will study advanced topics in energy and power such as smart-home automation, plant-level process control, natural gas pipeline monitoring, energy storage and wind power. Each project presents students with a design problem that will require them to not only design and build a prototype, but also develop the software program that will test the prototype and gather measurable, quantifiable data. Energy Transmission and Distribution is a pre requisite for this course.	09	12
2019-2020	560115	Advanced Science and Engineered Systems	Through well-developed projects in this advanced course, students will assume the roles of building technicians, design engineers, recreational engineers, electrical technicians and CEOs, while learning about real-world energy and power issues. Students will work with industry mentors to independently tackle real-world scenarios in the energy and power field. The projects in this course scaffold to allow students more choice in determining the final product for each project. This course incorporates knowledge of multiple sources of energy, engineered systems, societal impact and "the business of energy" as students engage in projects involving maglev trains, advanced concepts in steam energy, carbon sequestration and coal, hydraulic fracturing, alternative forms of fuel in transportation and environmental compliance. Electronics and Control Systems is a pre requisite for this course.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	560116	Engineering Design and Manufacturing	Students will engage in the hands-on engineering design and manufacturing processes associated with Additive Manufacturing: fused deposition, laser sintering and composite layup. They will continue advanced CAD drafting by designing and then creating parts both for understanding and to meet a customer or design challenge chosen and apply for CAD certification. The customer interface, which can be with an industry partner, will provide the student with skills in designing to meet requirements - essential in the career field. Prerequisite: Students will have completed Advanced Manufacturing (Greenpower) I.	11	12
2019-2020	560117	Advanced Engineering Design and Manufacturing	Students will engage in a personally tailored engineering design and manufacturing project associated with Additive Manufacturing as a capstone event. Students will be exposed to state-of-the-art engineering design concepts such as 3D scanning and advanced CAD software tools. Students will add to their knowledge base with information detailing the manufacturing process and go in depth into composites by creating molds, working with resins and polymers, and investigating effects of temperature and pressure. This course will prepare students for the nationally-recognized NCCR test of worker readiness and the industry standard OSHA safety course. It will also provide the opportunity for credentialing as a Manufacturing Specialist prerequisite: Students will have completed Advanced Manufacturing (Greenpower) I and II.	11	12
2019-2020	560118	CTE Lab in STEM	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within STEM through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	570004	Transportation, Distribution & Logistics	A one-credit course that introduces students to core knowledge and skills in the areas of facilities and mobile equipment maintenance which are foundational to courses related to careers in transportation, distribution, and logistics. This course is not a pre-requisite for entering a specific pathway.	09	12
2019-2020	570010	Airframe Systems	A one-credit course providing students with basic knowledge and skills related to aircraft systems rigging and weight and balance. At the conclusion of this course students are able to safely apply techniques to rig and balance aircraft for maintenance activities.	09	12
2019-2020	570011	Aircraft Non-Metallic Structures	A one-credit course designed to introduce students to the basic knowledge and skills required to inspect and repair non-metallic aircraft surfaces and structures.	09	12
2019-2020	570012	Aircraft Theory of Flight & Operations	A one-credit course designed to provide students with the basic theory of flight, aircraft nomenclature, aircraft construction and basic aircraft operating controls.	09	12
2019-2020	570013	Aviation Turbine Engine Theory Inspections	A one-credit course providing students with the basic knowledge and skills associated with aviation turbine engine theory and inspection.	09	12
2019-2020	570014	Aircraft Engine Propeller Theory Operations	A one-credit course providing students with basic knowledge and skills associated with aircraft engine and propeller theory and operation.	09	12
2019-2020	570015	Aircraft Sheet Metal Structures	A one-credit course that provides students with basic instruction and experiences in maintaining aircraft sheet metal structures.	09	12
2019-2020	570016	Aviation Instrumentation & Hydraulic Systems	A one-credit course providing students with a strong foundation of knowledge and skills related to aircraft instruments and hydraulic systems.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	570017	Aircraft Welding	A one-credit course introducing students to materials and techniques used for aircraft welding.	09	12
2019-2020	570020	Automotive Engine Performance I	A one-credit course that is designed to provide students with knowledge and skills regarding general engine diagnosis; computerized engine controls; and ignition, fuel, and emission control systems.	09	12
2019-2020	570021	Automotive Engine Performance II	A one-credit course that provides students with advanced applications and in-depth information regarding general engine diagnosis, computerized engine controls, ignition systems, fuel systems, and emission control systems. Automotive Engine Performance I is the prerequisite for this course.	09	12
2019-2020	570022	Automotive Engine Repair	A one-credit course that provides students with classroom and laboratory experiences in diagnosing and repairing gasoline engines. Upon successful completion of the course, students are able to diagnose, remove, repair, rebuild, and install an automobile engine.	09	12
2019-2020	570023	Automotive Heating & Air Conditioning	A one-credit course that provides students with classroom and laboratory experiences regarding heating and cooling system operations, repairs, and service procedures.	09	12
2019-2020	570024	Automotive Manual Drive Train & Axles	A one-credit course that provides students with knowledge regarding the construction and operation of manual transmissions and transaxles. Emphasis is placed on removal, installation, and performance of basic drive train and axle repairs.	09	12
2019-2020	570025	Automotive Electrical & Electronic System I	A one-credit course that provides students with classroom and laboratory instruction in electrical and electronic system operations, diagnosis, and repairs.	09	12
2019-2020	570026	Automotive Electrical & Electronic System II	A one-credit course that provides students with classroom and laboratory instruction in electrical components operation, diagnosis, and repairs. The prerequisite for this course is Automotive Electrical and Electronic Systems I.	09	12
2019-2020	570027	Automotive Brakes	A one-credit course that provides students with classroom and laboratory instruction in electrical accessories and brake system operations, diagnosis, and repairs. Students gain hands-on experience in brake assist assemblies, and anti-lock systems.	09	12
2019-2020	570028	Automotive Suspension & Steering	A one-credit course designed to provide students with a working knowledge of suspension and steering systems.	09	12
2019-2020	570030	Painting and Refinishing I	A one-credit course designed to provide students with an introduction to current technologies in the basic principles of automotive finishes.	09	12
2019-2020	570031	Painting and Refinishing II	A one-credit course that provides students with specialized classroom and laboratory experiences in the application of various topcoats. Painting and Refinishing I is the prerequisite for this course.	09	12
2019-2020	570032	Painting and Refinishing III	A one-credit course designed to provide students with advanced hands-on experiences with the technology associated with automotive final detail finishes and the principles of collision cost estimating. Painting and Refinishing II is the prerequisite for this course.	09	12
2019-2020	570033	Nonstructural Analysis & Damage Repair I	A one-credit course that provides students with current and emerging technologies in analysis and repair of collision-damaged nonstructural components.	09	12
2019-2020	570034	Nonstructural Analysis & Damage Repair II	A one-credit course that provides specialized advanced classroom and laboratory experiences in the application of current and emerging technologies for methods, equipment, and processes used to inspect, measure, repair, and replace nonstructural components. The prerequisite for this course is Nonstructural Analysis and Damage Repair I.	09	12
2019-2020	570035	Structural Analysis & Damage Repair	A one-credit course that provides students with classroom and laboratory instruction in methods of determining structural misalignment and the processes used to affect repairs.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	570036	Mechanical & Electrical Components I	A one-credit course that provides students with classroom instruction and laboratory experiences in collision-related mechanical repairs.	09	12
2019-2020	570037	Mechanical & Electrical Components II	A one-credit course that provides students with instruction and laboratory experiences in collision-related mechanical and electrical troubleshooting and repairs. Mechanical and Electrical Components I is the prerequisite for this course.	09	12
2019-2020	570038	Collision Repair - Metal Welding/Cutting	A one-credit course that provides students with classroom and laboratory experiences in various automotive cutting and welding processes.	09	12
2019-2020	570040	Diesel Engines I	A one-credit course designed to provide students with the foundational knowledge and skills for maintaining diesel engines safety and exhibiting proper tool use.	09	12
2019-2020	570041	Diesel Engines II	This course is designed to expand the students' knowledge and skills for servicing diesel engines and related systems.	09	12
2019-2020	570042	Diesel Drive Train	A one-credit course designed to provide students with in-depth knowledge and skills for diesel drive train operation and repair.	09	12
2019-2020	570043	Diesel Electrical & Electronic System I	A one-credit course designed to provide students with the foundational knowledge and skills to perform maintenance on diesel electrical and electronic systems.	09	12
2019-2020	570044	Diesel Electrical & Electronic System II	A one-credit course designed to provide students with in-depth knowledge and skills to perform maintenance on diesel electrical and electronic systems. Prerequisite is Diesel Electrical and Electronic Systems I.	09	12
2019-2020	570045	Diesel Brakes	A one-credit course designed to provide students with in-depth knowledge and skills for servicing diesel brake systems. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards.	09	12
2019-2020	570046	Diesel Suspension & Steering	A one-credit course designed to provide students with a working knowledge of diesel suspension and steering systems.	09	12
2019-2020	570047	Diesel Hydraulics	This course is designed to provide students with in-depth knowledge and skills for servicing diesel HVAC systems. Safety and proper tool use are emphasized throughout this course. As part of this course, students participate in servicing activities associated with HVAC systems. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards. Workplace Employability Skills Task lists should be incorporated into the diesel Program.	09	12
2019-2020	570048	Diesel HVAC	This course is designed to provide students with in-depth knowledge and skills for servicing diesel HVAC systems. Safety and proper tool use are emphasized throughout this course. As part of this course, students participate in servicing activities associated with HVAC systems. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards. Workplace Employability Skills Task lists should be incorporated into the diesel Program.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	570049	Diesel Preventative, Maintenance, and Inspection	This course is designed to provide students with in-depth knowledge and skills for entry level maintenance and inspection tasks. Safety and proper tool use are emphasized throughout this course. As part of this course, students participate in servicing activities associated with preventative and maintenance tasks. The tasks included in the Preventive Maintenance and Inspection area are entry-level technician inspection tasks designed to introduce the student to correct procedures and practices of vehicle inspection in a teaching/learning environment. They are not intended to satisfy the Annual Federal Vehicle Inspection requirement as prescribed in the Federal Motor Carrier Safety Regulations, Part 396, Appendix G to Subchapter B, Minimum Periodic Inspection Standards. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards. Workplace Employability Skills Task lists should be incorporated into the diesel Program.	09	12
2019-2020	570050	Marine Technology	A one-credit course introducing students to basic electrical and mechanical systems found aboard many of today's commercial marine vessels.	09	12
2019-2020	570051	Introduction Maritime Engineering	A one-credit course introducing students to basic electrical and mechanical systems found aboard many of today's marine diesel vessels.	09	12
2019-2020	570052	Advanced Maritime Engineering	A one-credit course focusing on the construction and operating principles of marine diesel engines. Introduction to Maritime Engineering is a prerequisite for this course.	09	12
2019-2020	570053	Introduction Navigation Technology	A one-credit course essential for students pursuing a license for any vessel tonnage class with primary focus on the international and the inland rules for preventing collisions at sea.	09	12
2019-2020	570054	Advanced Navigation Technology	A one-credit course that provides an in-depth study of marine navigation and how technology has changed the way today's mariners navigate. Introduction to Navigation Technology is the prerequisite for this course.	09	12
2019-2020	570060	Advanced Power Equipment Technology	A one-credit course that provides students with specialized classroom and laboratory experiences for diagnosis and repair of two- and four-cycle small engines. The prerequisite for this course is Power Equipment Technology.	09	12
2019-2020	570061	Recreational Power Equipment Operations	A one-credit course that provides students with classroom and laboratory experiences regarding equipment powered by two- and four-cycle engines available for recreational use.	09	12
2019-2020	570062	NCCER Heavy Equipment Operations 1	This is the first of 3 required one-credit courses in the Heavy Equipment Operations pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing safety, tools, measuring, blueprint reading and layout, and basic heavy equipment operation techniques leading to NCCER Heavy Equipment Operations Level 1 Credentialing. Prerequisites: None	09	12
2019-2020	570063	NCCER Heavy Equipment Operations 2	This is the second of 3 required one-credit courses in the Heavy Equipment Operations pathway. It is designed to provide students with practice and skills development emphasizing safety, applications and intermediate equipment operations techniques leading to NCCER Heavy Equipment Operations Level 1 Credentialing. Prerequisites: NCCER Heavy Equipment Operations 1	09	12
2019-2020	570064	NCCER Heavy Equipment Operations 3	This is the third of 3 required one-credit courses in the Heavy Equipment Operations pathway. It is designed to provide students with practice and skills development emphasizing safety, site layout, reading civil drawings, understanding soils leading to NCCER Heavy Equipment Operations Level 1 Credentialing. Prerequisites: NCCER Heavy Equipment Operations 2	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	570071	Maintenance and Light Repair A	A one-credit course that provides students with foundational knowledge and skills relative to safety, engine repair, automatic transmissions. and manual drive trains.	09	12
2019-2020	570072	Maintenance and Light Repair B	A one-credit course that provides students with foundational knowledge and skills relative to safety, suspension and steering, and brakes.	09	12
2019-2020	570073	Maintenance and Light Repair C	A one-credit course that provides students with foundational knowledge and skills relative to safety, brakes, and electrical/electronic systems.	09	12
2019-2020	570074	Maintenance and Light Repair D	A one-credit course that provides students with foundational knowledge and skills relative to safety, engine performance, electrical/electronic systems, and heating and air conditioning.	09	12
2019-2020	570075	Automotive Service Technology A	A one-credit course that provides students with service knowledge and skills relative to safety, engine repair, automatic transmissions. and manual drive trains.	09	12
2019-2020	570076	Automotive Service Technology B	A one-credit course that provides students with service knowledge and skills relative to safety, suspension and steering, and brakes.	09	12
2019-2020	570077	Automotive Service Technology C	A one-credit course that provides students with service knowledge and skills relative to safety, brakes, and electrical/electronic systems.	09	12
2019-2020	570078	Automotive Service Technology D	A one-credit course that provides students with service knowledge and skills relative to safety, engine performance, electrical/electronic systems, and heating and air conditioning.	09	12
2019-2020	570079	Master Automotive Service Technology	A one-credit course that provides students with mastery knowledge and skills relative to safety, automatic transmissions and transaxles, manual drive trains and axles, suspension and steering, brakes, engine repair, engine performance, electrical/electronic systems, and heating and air conditioning.	09	12
2019-2020	570080	Senior Career Pathway Project-Transportation, Distribution & Logistics	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.	11	12
2019-2020	570081	Introduction to Collision Repair	The Introduction to Collision Repair course prepares students with the foundational knowledge needed to be successful in more advanced collision repair training. This course provides students with foundational knowledge on collision repair principles and topics. This course aligns with I-CAR PDP EE curriculum. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards. This course should be a pre-requisite to other collision and refinishing courses.	09	12
2019-2020	570082	Non-Structural Technician A	The Non-Structural Technician A course prepares students with a working knowledge of hazardous materials, personal and refinish safety, plastic and composite repair, non-structural supplement, trim and hardware and movable glass. Non-Structural Technicians restore damaged exterior panels to their original integrity, function, and appearance. This course aligns with I-CAR PDP EE curriculum. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	570083	Non-Structural Technician B	The Non-Structural Technician A course prepares students with a working knowledge of. Non-Structural Technicians restore damaged exterior panels to their original integrity, function, and appearance. Topics included are bolted-on part replacement, lighting, starting, and charging systems for non-structural, automotive foams, and advanced high-strength steel overview. Vehicle Technology Trends This course aligns with I-CAR PDP EE curriculum. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards.	09	12
2019-2020	570084	Refinishing Technician A	The Refinishing Technician A course enables students to prepare and apply paint to repaired vehicles to restore vehicle appearance to pre-accident conditions. Topics include hazardous materials, personal safety, and refinish safety, trim and hardware, corrosion protection, vehicle technology trends. This course aligns with I-CAR PDP EE curriculum. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards. This course should only be offered for collision repair programs not utilizing the non-structural courses.	09	12
2019-2020	570085	Refinishing Technician B	The Refinishing Technician B course enables students to prepare and apply paint to repaired vehicles to restore vehicle appearance to pre-accident conditions. Topics include refinishing supplement, detailing, hazardous airborne pollutant reduction, and liquid and solid hazardous waste storage and disposal overview. This course aligns with I-CAR PDP EE curriculum. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards.	09	12
2019-2020	570086	Refinishing Technician C	The Refinishing Technician C course enables students to prepare and apply paint to repaired vehicles to restore vehicle appearance to pre-accident conditions. Topics include refinishing supplement, damage analysis, estimating, and customer service. This course also prepares students to inspect, analyze and evaluate damaged vehicles to create a comprehensive and accurate damage report. This course aligns with I-CAR PDP EE curriculum. This course must follow the guidelines and standards set forth by Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) minimum standards.	09	12
2019-2020	570087	CTE Lab in Transportation, Distribution & Logistics	This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Transportation, Distribution & Logistics through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.	09	12
2019-2020	580001	JAG - 7th Grade	A middle level course designed for students participating in Grade 7 Jobs for America's Graduates national curriculum.	07	07
2019-2020	580002	JAG - 8th Grade	A middle level course designed for students participating in Grade 8 Jobs for America's Graduates national curriculum.	08	08
2019-2020	580003	JAG I	A one-credit course designed for students participating in the first year of the Jobs for America's Graduates national curriculum.	07	12
2019-2020	580004	JAG II	A one-credit course designed for students participating in the second year of the Jobs for America's Graduates national curriculum.	07	12
2019-2020	580005	JAG III	A one-credit course designed for students participating in the third year of the Jobs for America's Graduates national curriculum.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	580006	JAG IV	A one-credit course designed for students participating in the fourth year of the Jobs for America's Graduates national curriculum.	09	12
2019-2020	580007	JAG V	A one-credit course designed for students participating in an additional year of the Jobs for America's Graduates national curriculum.	09	12
2019-2020	590001	Clean Energy Systems	This course exposes students to three sources of renewable energy: wind, solar and biofuels. Working with solar, thermal, chemical and mechanical sources of clean energy teaches students how to apply physics, geography, chemistry, biology, geometry, algebra and engineering fundamentals. Students learn the most efficient and appropriate use of energy production as they explore the relevant relationships among work, power and energy. Students will engage in a wide variety of hands on projects and lab activities that both test their knowledge and illustrate the interrelationships between the various forms of clean energy.	09	12
2019-2020	590002	Clean Energy Applications	This course builds on the foundation of Course 1 and introduces nuclear power, steam generation, fuel cells, geothermal power, water power, AC/DC power generation, heat transfer and the laws of thermodynamics. In addition, students now use chemical and thermal energy principles to create, store and use energy efficiently to power a variety of mechanical and electrical devices. Students will engage in a variety of hands-on design projects to demonstrate principles using advanced technology hardware and software.	09	12
2019-2020	590003	Clean Energy Strategies	Students in this course utilize applicable skills from the foundational courses to tackle challenges associated with the implementation of clean energy technology. The hands-on projects encountered during this course will require students to address specific issues related to providing portable power in any situation, developing new energy storage systems, increasing the efficiency of the modern home, and designing more energy efficient buildings and homes.	09	12
2019-2020	590004	Clean Energy Innovations	The innovations course is the fourth and final course in the Clean Energy Technology Pathway Program. The course will provide students the opportunity to work independently with open-ended, problem-solving scenarios to create an original solution in the area of clean energy entrepreneurship or clean energy research and development. Students will collaborate with a mentor to conduct applied research around a defined research problem, develop solutions, collect and analyze relevant data, evaluate their solutions, and present their findings in public venues and competitions.	09	12
2019-2020	590101	Data and Use	This foundational course focuses on the use of data and databases within the health field. Students explore the following questions using project-based and problem based scenarios. What are data? What are the sources of data in the medical and health informatics fields? How can we use data? How do we make sense of data? How may we apply data to our own lives? Students interact with professionals in the health informatics field through interviews or on-site and/or virtual field trips.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	590102	Transforming Data into Information	In this course, students study ways to use data to address both patient and industry needs in the health-care field. Students use software such as Microsoft Access, Excel and Balsamiq to collect and analyze data, develop a health-care registry, create a mobile app mockup and develop forms and systems to solve health-care problems. The following questions are addressed through project or problem-based scenarios: How can technology and analysis create better information to inform better decisions? How can we use technology tools to create information from data? How can we use technology to improve public and individual health? How can we use technology to protect patient privacy?	09	12
2019-2020	590103	Transforming Information into Knowledge	This advanced course allows students to make improvements in the health-care field by designing solutions using the information, knowledge and technology tools available to health informatics professionals. Students are engaged in the following activities: building a system of sharing information among health-care facilities; using social media tools to reduce diseases in foreign countries; exploring voice recognition software; using a motion-based video gaming console for rehabilitation; and exploring clinical decision rules for improving patient care.	09	12
2019-2020	590104	Problems and Solutions	In this advanced course, students study and design solutions to problems facing health-care systems. Students explore the following questions through project or problem-based scenarios: How can the health-care system work more efficiently and economically? How do we address health-care issues in rural locations? How can various community organizations work together to improve the health of the community? Students interact with professionals in the health informatics field through interviews or on-site and/or virtual field trips.	09	12
2019-2020	590201	Computers, Networks, and Databases	This project-based-learning course engages students who are curious about informatics. In this course, students will learn how to use a design process to create systems that acquire, store and communicate data for a variety of career fields. Students will work collaboratively in teams to design systems, solve problems, think critically, be creative and communicate with each other and business partners. Students will participate in real-world experiences such as designing an inventory system for a retail store, comparing stores in a company to project future sales, track customer buying habits and more.	09	12
2019-2020	590202	Design for the Digital World	This project-based-learning course engages students who are interested in applying the design process to create systems such as a cloud-based digital storage system for images. Students will design a system to automatically collect and report data on highway usage. They will apply a geospatial system to map a store and develop a database that studies shopping habits. Through these projects, students will learn about data management and logic-based queries by collecting data, using the Global Positioning System (GPS) and analyzing data utilizing a geographic information system (GIS). They will learn how to automate data collection to make processes more effective and efficient. Students will work collaboratively in teams and demonstrate their knowledge and skills by presenting new and innovative ideas, techniques and solutions to business and industry partners.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	590203	Databases in the Cloud	This project-based-learning course is for students who successfully completed courses one and two and who want to tackle the more complex challenges that business and industry face. Students at this level will learn about Web technologies, cloud storage, information security, data, animation, introductory computer programming and database applications. Students will take more responsibility for their own learning, problem solving and thinking outside of the box. Real-world challenges will require higher levels of research, building, testing, analyzing and improving systems. Students will develop solutions for real-world problems by designing a database for ticket sales; designing security for a database; creating a game with animation; reporting information based on population data in a community; and designing, building and testing an application for a database.	09	12
2019-2020	590204	Developing a Cloud Presence	Students in this capstone course will focus on the ethics of privacy, social networking, designing for clients and artificial intelligence through six authentic projects. Students will select a business partner and design, build and test a Web presence for a company that will apply the concepts from the three prior courses. Student teams will work collaboratively with a business partner to develop a proposal for the project with evaluation criteria. Once the business partner accepts the proposal, the student team will implement it by designing, planning, building the system, and testing and revising the system to meet the needs of the business. Depending on articulation agreements or state policy, opportunity for dual credit may be available to students who successfully complete this course.	09	12
2019-2020	590301	The Nature of Science and Technology	This is a contextual-based course that introduces students to the core fundamental concepts of science and technology through authentic projects. Through these projects, students will develop an understanding of the relationship between the physical, biological and social world. Students will gain an understanding of the differences between science and technology, and learn that technology is a process for applying science. Students will develop a deeper understanding of scientific inquiry and the engineering design process when solving real-world problems. Students will experience the interaction of science, technology, engineering, math and literacy through a problem-based learning environment. Finally, the process will require students to use mathematics to analyze costs, develop budgets and make precise measurements to successfully implement project goals.	09	12
2019-2020	590302	Core Applications of Science and Technology	This course uses the concepts learned from Course 1 to further develop students' problem-solving strategies and skills needed by the 21st-century workforce. Students will continue to explore emerging technologies and techniques in the context of addressing authentic projects. Key concepts introduced in this course include sustainability and environmental trends, systems thinking, and trend analysis and prediction. Through engagement, students will experience the necessary connection between literacy, mathematics and science in a variety of hands-on, real-world projects requiring them to apply academic and technical concepts and skills and technology to complete.	09	12
2019-2020	590303	Impacts of Science and Technology	This course will examine the past, present and future impact of science and technology on culture, society and the environment. Students will explore how their predecessors worked to solve some problems that still exist today, and examine the potential of using modern technology to solve those problems. From these explorations, students will engage in a variety of hands-on design projects that will address tradeoffs, optimization, interconnectivity and the nature of complex systems.	09	12
2019-2020	590304	Creativity and Innovations	This course will allow students to brainstorm, use invention, innovation, creativity, predictive analysis and use technology to solve real-world problems. Dimensions covered will include research and development, troubleshooting, experimentation, design failures, patents and trademarks, and design under constraints.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	590305	Introduction to Greenpower	Introduction to Greenpower is a course for students in Grades 7-8. This course provides an introduction to design software and provides students with real-world industry relevant, and multi-disciplinary engineering and manufacturing skills. Students design, build, and race an electric car while learning leadership and collaboration skills within a competitive environment.	07	08
2019-2020	590306	Greenpower F24 Engineering Design & Racing Challenge I	Greenpower F24 Engineering Design & Racing Challenge I is a one-credit course that builds on the skills introduced in the Introduction to Greenpower course. Students use design software to design, build, and race an electric car while applying engineering and manufacturing skills in a relevant manner. Students also learn to apply leadership and collaboration skills within a competitive environment.	09	12
2019-2020	590307	Greenpower F24 Engineering Design & Racing Challenge II	Greenpower F24 Engineering Design & Racing Challenge II is a one-credit course that builds on the skills learned in Greenpower F24 Engineering Design & Racing Challenge I course. Students use design software to design, build, and race an electric car while applying engineering and manufacturing skills in a relevant manner. Students also learn to apply leadership and collaboration skills within a competitive environment. Greenpower F24 Engineering Design & Racing Challenge I is a required prerequisite for this course.	09	12
2019-2020	590401	Advanced Technology for Design and Production	This course will engage students in the use of modern technologies in the design and improvement of products. Students will use three-dimensional CAD software in the creation and analysis process. Students will document designs using standards set by industry for design documentation. Students will implement methods of green production and just-in-time component supply which allow for the lowest cost and highest quality products. Students will design and troubleshoot data acquisition, programmable logic control, process monitoring, automation and robotic systems. Students will incorporate sensing and vision systems, utilizing cameras and sensors to control automated systems.	09	12
2019-2020	590402	Systems of Advanced Technology	In this course, students will apply the technologies that are found in modern clean, production environments. Students study effective and energy efficient control of pumping, conveyors, piping, pneumatic and hydraulic control systems. Students apply total quality management to production design to assure quality. Students also focus on properties of materials and material testing, creating documentation to support designs, examining properties and justifying material selections based on properties. Students learn that old products become the new raw materials for new products.	09	12
2019-2020	590403	Mechatronic Systems for Advanced Production	Students will design cost-effective work cells incorporating automation and robotics to improve quality of final products. The advanced production in this course depends on the use and coordination of information, automation, network systems, vision and sensing systems. Students will design and create mechatronic systems and automated tooling to accomplish these advanced tasks. Students produce authentic documentation about their cyber-mechanical systems and the integration with data to control and monitor processes.	09	12
2019-2020	590404	Design for the Production of Advanced Products	Students will create plant designs to process and automatically assemble materials into new products. Students follow the process of developing and producing a new product from prototype to final product. They will accomplish this by creating a production flow plan that allows for the mass production of the product. Students will analyze and evaluate all aspects of the design and production processes with an emphasis on clean, lean and green production. Students will utilize data acquisition, quality control processes and Six Sigma methodology to control production.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	590501	Introduction to Logistics	This course engages students in solving contextual problems related to the concepts of supply chains, warehouse location, contingency planning, insourcing and outsourcing, and expanding existing supply chains. These concepts form the basis of global logistics and supply chain management and help students understand how professionals examine options to maximize the use of resources across distribution networks.	09	12
2019-2020	590502	Functional Areas in Logistics	This course compels students to explore deeper understandings of the concepts they discovered in the previous course as they navigate projects on warehouse design, inventory management, transportation optimization, information technology, emergency responsiveness and the supply chain for manufacturing. Students use their experiences in this course to discover ways that professionals minimize the outlay of resources while improving efficiency and ability in the global market.	09	12
2019-2020	590503	Global Logistics Management	This advanced course offers challenging projects that require students to look at the global implications of the industry in more earnest as they experiment with decisions over intermodal transportation, route selection, international shipping regulations, emergency preparedness, cultural awareness, business ethics and international trade restrictions related to a distribution strategy. Students develop their understanding of the industry in this course and truly build their awareness of the challenges of doing business in a world with multiple borders that must be traversed.	09	12
2019-2020	590504	Logistics and Supply Chain Management	This advanced course allows students to see the implications of all the concepts they learned in the previous three courses as they consider environmental impact, selecting business partners in a global and domestic chain, information technology and decisions regarding e-commerce. Students explore the ongoing need to balance dependability and resource outlay in meeting customer demands around the world. Projects will expand students' decision-making skills as they tackle issues related to transportation, distribution networks and manufacturing.	09	12
2019-2020	600003	Deaf or Hard of Hearing/Hearing Impaired	Teachers must hold a valid certificate in the teaching field in which they are assigned. Teachers certified in Early Childhood Special Education may not be the sole provider of instruction for deaf or hard of hearing students unless specifically certified in the area of deaf and hard of hearing.	PK	12
2019-2020	600004	Visual Impairment Services	Teachers must hold a valid certificate in the field of VI when teaching students with impaired vision or blindness. All students with visual impairments that require an IEP must have a teacher of the visually impaired (TVI) included as a member of their IEP Team. Teachers certified in Early Childhood Special Education may not be the sole provider of specialized vision instruction unless specifically certified in the area of visually impaired. □	PK	12
2019-2020	600005	Speech or Language Impairment Services	For the area of speech or language impairment services, teachers must hold a valid certificate in the teaching field in which they are assigned when instructing in the areas of articulation, voice, and/or fluency.	PK	12
2019-2020	600006	Early Childhood Special Education Resource	Teachers who hold a valid certificate in special education, including preschool, may teach a child who is eligible for any disability area in accordance with the Individual with Disabilities Education Act (IDEA).	PK	03
2019-2020	600301	Transition Services I	This code applies to teachers teaching beginning transition skills to junior high/high school students. This course will prepare students to become self advocates, participate in postsecondary education and/or training to gain meaningful employment and support community participation as they plan for life after high school. Teachers for this course do not have to meet the highly qualified teacher status.	07	12
2019-2020	600302	Transition Services Elective	This code applies to students involved in community-based instruction, pre-vocational experience, and community intergration development. This course will address the four tier system of Alabama's Transition Standards. Teachers for this course do not have to meet the highly qualified teacher status.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600304	Transition Services 9	This code applies to the first tier of Alabama's four tier transition standards. Students enrolled in this course should be performing at the first tier in one or more of the transition standards strands. These standards are based on the scope and sequence that includes the transition strands: (1) academics/training (AT), (2) occupations and careers (OC), (3) personal/social (PS), and (4) daily living (DL). Students will develop fundamental transition skills needed for positive post-school outcomes. Instruction for this course may take place both within the classroom and the community. Teachers for this course do not have to meet the highly qualified status.	09	12
2019-2020	600305	Transition Services 10	This code applies to the second tier of Alabama's four tier transition standards. Students enrolled in this course should be performing at the second tier in one or more of the transition standards strands. These standards are based on the scope and sequence that includes the transition strands: (1) academics/training (AT), (2) occupations and careers (OC), (3) personal/social (PS), and (4) daily living (DL). Students will develop fundamental transition skills needed for positive post-school outcomes. Instruction for this course may take place both within the classroom and the community. Teachers for this course do not have to meet the highly qualified status.	09	12
2019-2020	600306	Transition Services 11	This code applies to the third tier of Alabama's four tier transition standards. Students enrolled in this course should be performing at the third tier in one or more of the transition standards strands. These standards are based on a scope and sequence that includes the transition strands:(1) academics/training (AT), (2) occupations/careers (OC), (3) personal/social(PS), and (4) daily living (DL). Students will develop fundamental transition skills needed for positive post-school outcomes. Instruction for this course may take place both within the classroom and the community. Teachers for this course do not have to meet the highly qualified teacher status.	09	12
2019-2020	600307	Transition Services 12	This code applies to the fourth tier of Alabama's four tier transition standards. Students enrolled in this course should be performing at the fourth tier in one or more of the transition standards strands. These standards are based on the scope and sequence that includes the transition strands: (1) academics/training (AT), (2) occupations and careers (OC), (3) personal/social (PS), and (4) daily living (DL). Students will develop fundamental transition skills needed for positive post-school outcomes. Instruction for this course may take place both within the classroom and the community. Teachers for this course do not have to meet the highly qualified status.	09	12
2019-2020	600320	Reading,Basic Skills PK-6	This code applies to teachers providing remediation in the area of Reading to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	PK	06
2019-2020	600321	English Language Arts, Basic Skills PK-6	This code applies to teachers providing remediation in the area of English language arts to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	PK	06
2019-2020	600322	Mathematics, Basic Skills PK-6	This code applies to teachers providing remediation in the area of mathematics to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	PK	06

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600323	Science, Basic Skills PK-6	This code applies to teachers providing remediation in the area of science to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	PK	06
2019-2020	600324	Social Studies, Basic Skills PK-6	This code applies to teachers providing remediation in the area of social studies to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	PK	06
2019-2020	600330	Reading, Basic Skills 7	This code applies to teachers providing remediation in the area of reading to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	07	07
2019-2020	600331	English Language Arts, Basic Skills 7	This code applies to teachers providing remediation in the area of English language arts to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	07	07
2019-2020	600332	Mathematics, Basic Skills 7	This code applies to teachers providing remediation in the area of mathematics to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	07	07
2019-2020	600333	Science, Basic Skills 7	This code applies to teachers providing remediation in the area of science to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	07	07
2019-2020	600334	Social Studies, Basic Skills 7	This code applies to teachers providing remediation in the area of social studies to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	07	07
2019-2020	600340	Reading, Basic Skills 8	This code applies to teachers providing remediation in the area of reading to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	08	08
2019-2020	600341	English Language Arts, Basic Skills 8	This code applies to teachers providing remediation in the area of English language arts to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	08	08
2019-2020	600342	Mathematics, Basic Skills 8	This code applies to teachers providing remediation in the area of mathematics to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	08	08
2019-2020	600343	Science, Basic Skills 8	This code applies to teachers providing remediation in the area of science to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600344	Social Studies, Basic Skills 8	This code applies to teachers providing remediation in the area of social studies to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	08	08
2019-2020	600345	Reading, Basic Skills 9	This code applies to teachers providing remediation in the area of reading to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	09	09
2019-2020	600346	Reading, Basic Skills 10	This code applies to teachers providing remediation in the area of reading to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	10	10
2019-2020	600347	Reading, Basic Skills 11	This code applies to teachers providing remediation in the area of reading to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	11	11
2019-2020	600348	Reading, Basic Skills 12	This code applies to teachers providing remediation in the area of reading to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	12	12
2019-2020	600350	English Language Arts, Basic Skills 9	This code applies to teachers providing remediation in the area of English language arts to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	09	09
2019-2020	600351	English Language Arts, Basic Skills 10	This code applies to teachers providing remediation in the area of English language arts to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	10	10
2019-2020	600352	English Language Arts, Basic Skills 11	This code applies to teachers providing remediation in the area of English language arts to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	11	11
2019-2020	600353	English Language Arts, Basic Skills 12	This code applies to teachers providing remediation in the area of English language arts to students with disabilities who have received their core instruction from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	12	12
2019-2020	600360	Science, Basic Skills 9	This code applies to teachers providing remediation in the area of science to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	09	09
2019-2020	600361	Science, Basic Skills 10	This code applies to teachers providing remediation in the area of science to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	10	10
2019-2020	600362	Science, Basic Skills 11	This code applies to teachers providing remediation in the area of science to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	11	11

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600363	Science, Basic Skills 12	This code applies to teachers providing remediation in the area of science to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	12	12
2019-2020	600365	Social Studies, Basic Skills 9	This code applies to teachers providing remediation in the area of social studies to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	09	09
2019-2020	600366	Social Studies, Basic Skills 10	This code applies to teachers providing remediation in the area of social studies to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	10	10
2019-2020	600367	Social Studies, Basic Skills 11	This code applies to teachers providing remediation in the area of social studies to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	11	11
2019-2020	600368	Social Studies, Basic Skills 12	This code applies to teachers providing remediation in the area of social studies to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet the highly qualified teacher status.	12	12
2019-2020	600370	Mathematics, Basic Skills 9	This code applies to teachers providing remediation in the area of mathematics to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet highly qualified teacher status.	09	09
2019-2020	600371	Mathematics, Basic Skills 10	This code applies to teachers providing remediation in the area of mathematics to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet highly qualified teacher status.	10	10
2019-2020	600372	Mathematics, Basic Skills 11	This code applies to teachers providing remediation in the area of mathematics to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet highly qualified teacher status.	11	11
2019-2020	600373	Mathematics, Basic Skills 12	This code applies to teachers providing remediation in the area of mathematics to students with disabilities who have received their instruction on core academic subjects from a general education teacher. Teachers for this course do not have to meet highly qualified teacher status.	12	12
2019-2020	600410	AAS:Reading-K	This code applies to students with significant cognitive disabilities enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	0K	0K
2019-2020	600411	AAS:Reading-1	This code applies to students with significant cognitive disabilities enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	01	01

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600412	AAS:Reading-2	This code applies to students with significant cognitive disabilities enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	02	02
2019-2020	600413	AAS:Reading-3	This code applies to students with significant cognitive disabilities enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	03	03
2019-2020	600414	AAS:Reading-4	This code applies to students with significant cognitive disabilities enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	04	04
2019-2020	600415	AAS:Reading-5	This code applies to students with significant cognitive disabilities enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	05	05
2019-2020	600416	AAS:Reading-6	This code applies to students with significant cognitive disabilities enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	06	06
2019-2020	600417	AAS:Reading-7	This code applies to students with significant cognitive disabilities enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600418	AAS:Reading-8	This code applies to students with significant cognitive disabilities enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600419	AAS:Reading-9	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	09
2019-2020	600420	AAS:Reading-10	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	10	10
2019-2020	600421	AAS:Reading-11	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	11	11
2019-2020	600422	AAS:Reading-12	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in reading using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	600430	AAS:English Language Arts-K	This code applies to students with significant cognitive disabilities enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	0K	0K
2019-2020	600431	AAS:English Language Arts-1	This code applies to students with significant cognitive disabilities enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	01	01

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600432	AAS:English Language Arts-2	This code applies to students with significant cognitive disabilities enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	02	02
2019-2020	600433	AAS:English Language Arts-3	This code applies to students with significant cognitive disabilities enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	03	03
2019-2020	600434	AAS:English Language Arts-4	This code applies to students with significant cognitive disabilities enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	04	04
2019-2020	600435	AAS:English Language Arts-5	This code applies to students with significant cognitive disabilities enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	05	05
2019-2020	600436	AAS:English Language Arts-6	This code applies to students with significant cognitive disabilities enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	06	06
2019-2020	600437	AAS:English Language Arts-7	This code applies to students with significant cognitive disabilities enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600438	AAS:English Language Arts-8	This code applies to students with significant cognitive disabilities enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600439	AAS:English Language Arts-9	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	09
2019-2020	600440	AAS:English Language Arts-10	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	10	10
2019-2020	600441	AAS:English Language Arts-11	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	11	11
2019-2020	600442	AAS:English Language Arts-12	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	600450	AAS:Mathematics-K	This code applies to students with significant cognitive disabilities enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	0K	0K
2019-2020	600451	AAS:Mathematics-1	This code applies to students with significant cognitive disabilities enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	01	01



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600452	AAS:Mathematics-2	This code applies to students with significant cognitive disabilities enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	02	02
2019-2020	600453	AAS:Mathematics-3	This code applies to students with significant cognitive disabilities enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	03	03
2019-2020	600454	AAS:Mathematics-4	This code applies to students with significant cognitive disabilities enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	04	04
2019-2020	600455	AAS:Mathematics-5	This code applies to students with significant cognitive disabilities enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	05	05
2019-2020	600456	AAS:Mathematics-6	This code applies to students with significant cognitive disabilities enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	06	06
2019-2020	600457	AAS:Mathematics-7	This code applies to students with significant cognitive disabilities enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600458	AAS:Mathematics-8	This code applies to students with significant cognitive disabilities enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600459	AAS:Mathematics-9	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	09
2019-2020	600460	AAS:Mathematics-10	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	10	10
2019-2020	600461	AAS:Mathematics-11	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	11	11
2019-2020	600462	AAS:Mathematics-12	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	600470	AAS:Science-K	This code applies to students with significant cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	0K	0K
2019-2020	600471	AAS:Science-1	This code applies to students with significant cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	01	01

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600472	AAS:Science-2	This code applies to students with significant cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	02	02
2019-2020	600473	AAS:Science-3	This code applies to students with significant cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	03	03
2019-2020	600474	AAS:Science-4	This code applies to students with significant cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	04	04
2019-2020	600475	AAS:Science-5	This code applies to students with significant cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	05	05
2019-2020	600476	AAS:Science-6	This code applies to students with significant cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	06	06
2019-2020	600477	AAS:Science-7	This code applies to students with significant cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600478	AAS:Science-8	This code applies to students with significant cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600479	AAS:Science-9	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	09
2019-2020	600480	AAS:Science-10	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	10	10
2019-2020	600481	AAS:Science-11	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	11	11
2019-2020	600482	AAS:Science-12	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	600490	AAS:Social Studies-K	This code applies to students with significant cognitive disabilities enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	0K	0K
2019-2020	600491	AAS:Social Studies-1	This code applies to students with significant cognitive disabilities enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	01	01

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600492	AAS:Social Studies-2	This code applies to students with significant cognitive disabilities enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	02	02
2019-2020	600493	AAS:Social Studies-3	This code applies to students with significant cognitive disabilities enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	03	03
2019-2020	600494	AAS:Social Studies-4	This code applies to students with significant cognitive disabilities enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	04	04
2019-2020	600495	AAS:Social Studies-5	This code applies to students with significant cognitive disabilities enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	05	05
2019-2020	600496	AAS:Social Studies-6	This code applies to students with significant cognitive disabilities enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	06	06
2019-2020	600497	AAS:Social Studies-7	This code applies to students with significant cognitive disabilities enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600498	AAS:Social Studies-8	This code applies to students with significant cognitive disabilities enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600499	AAS:Social Studies-9	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	09
2019-2020	600500	AAS:Social Studies-10	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	10	10
2019-2020	600501	AAS:Social Studies-11	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	11	11
2019-2020	600502	AAS:Social Studies-12	This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in social studies using alternate achievement standards (Extended Standards). A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	600503	AAS: Life Skills Health-10	This code applies to students with significant cognitive disabilities enrolled in a life skills course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives are aligned with the content standards in the Alabama Course of Study: Health Education. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	10	10
2019-2020	600506	AAS:Functional Performance	This code applies to students with significant cognitive disabilities taking a non-academic course that addresses the routine activities of everyday living and are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	0K	08

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600507	AAS: Life Skills-6	This code applies to students with significant cognitive disabilities enrolled in a life skills course. Course objectives emphasize increasing independence and self-determination skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	06	06
2019-2020	600510	AAS:Life Skills-7	This code applies to students with significant cognitive disabilities enrolled in a life skills course. Course objectives emphasize increasing independence and self-determination skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600511	AAS:Life Skills-8	This code applies to students with significant cognitive disabilities enrolled in a life skills course. Course objectives emphasize increasing independence and self-determination skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08
2019-2020	600512	AAS:Life Skills - Career Preparedness	This code applies to students with significant cognitive disabilities enrolled in a life skills course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize increasing independence and self-determination skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	09
2019-2020	600513	AAS:Life Skills-10	This code applies to students with significant cognitive disabilities enrolled in a life skills course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize increasing independence and self-determination skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	10	10
2019-2020	600514	AAS:Life Skills-11	This code applies to students with significant cognitive disabilities enrolled in a life skills course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize increasing independence and self-determination skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	11	11

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600515	AAS:Life Skills-12	This code applies to students with significant cognitive disabilities enrolled in a life skills course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize increasing independence and self-determination skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	600516	AAS: Pre-Vocational-6	This code applies to students with significant cognitive disabilities enrolled in a pre-vocational course. Course objectives emphasize job exploration and pre-employment readiness instruction. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	06	06
2019-2020	600519	AAS:Pre-Vocational-7	This code applies to students with significant cognitive disabilities enrolled in a pre-vocational course. Course objectives emphasize job exploration and pre-employment readiness instruction. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600520	AAS:Pre-Vocational-8	This code applies to students with significant cognitive disabilities enrolled in a pre-vocational course. Course objectives emphasize job exploration and pre-employment readiness instruction. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08
2019-2020	600521	AAS: Pre-Vocational	This code applies to students with significant cognitive disabilities enrolled in a pre-vocational course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize job exploration and pre-employment readiness instruction. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	12
2019-2020	600525	AAS: Vocational-6	This code applies to students with significant cognitive disabilities enrolled in a vocational course. Course objectives emphasize increasing job readiness and employability skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	06	06



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600529	AAS:Vocational-7	This code applies to students with significant cognitive disabilities enrolled in a vocational course. Course objectives emphasize increasing job readiness and employability skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600530	AAS:Vocational-8	This code applies to students with significant cognitive disabilities enrolled in a vocational course. Course objectives emphasize increasing job readiness and employability skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08
2019-2020	600532	AAS: Vocational	This code applies to students with significant cognitive disabilities enrolled in a vocational course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize increasing job readiness and employability skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	12
2019-2020	600533	AAS:Vocational-11	This code applies to students with significant cognitive disabilities enrolled in a vocational course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize increasing job readiness and employability skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	11	11
2019-2020	600534	AAS:Vocational-12	This code applies to students with significant cognitive disabilities enrolled in a vocational course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize increasing job readiness and employability skills. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	600535	AAS: Community-Based Instruction-6	This code applies to students with significant cognitive disabilities enrolled in a community-based instruction. Course objectives emphasize learning beyond the classroom through community integration. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	06	06

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600539	AAS:Community Based Instruction-7	This code applies to students with significant cognitive disabilities enrolled in a community-based instruction. Course objectives emphasize learning beyond the classroom through community integration. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600540	AAS:Community Based Instruction-8	This code applies to students with significant cognitive disabilities enrolled in a community-based instruction. Course objectives emphasize learning beyond the classroom through community integration. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08
2019-2020	600541	AAS:Community Based Instruction-9	This code applies to students with significant cognitive disabilities enrolled in a community-based instruction working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize learning beyond the classroom through community integration. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	09
2019-2020	600542	AAS:Community Based Instruction-10	This code applies to students with significant cognitive disabilities enrolled in a community-based instruction working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize learning beyond the classroom through community integration. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	10	10
2019-2020	600543	AAS:Community Based Instruction	This code applies to students with significant cognitive disabilities enrolled in a community-based instruction working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize learning beyond the classroom through community integration. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600544	AAS:Community Based Instruction-12	This code applies to students with significant cognitive disabilities enrolled in a community-based instruction working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize learning beyond the classroom through community integration. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	600549	AAS:Elective-7	This code applies to students with significant cognitive disabilities enrolled in an elective course. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	07	07
2019-2020	600550	AAS:Elective-8	This code applies to students with significant cognitive disabilities enrolled in an elective course. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	08	08
2019-2020	600551	AAS:Elective-9	This code applies to students with significant cognitive disabilities enrolled in an elective course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives are contained within a broad framework in which individualized academic and transition needs of the student are addressed. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	09
2019-2020	600552	AAS:Elective-10	This code applies to students with significant cognitive disabilities enrolled in an elective course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives are contained within a broad framework in which individualized academic and transition needs of the student are addressed. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	10	10
2019-2020	600553	AAS:Elective-11	This code applies to students with significant cognitive disabilities enrolled in an elective course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives are contained within a broad framework in which individualized academic and transition needs of the student are addressed. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	11	11

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	600554	AAS:Elective-12	This code applies to students with significant cognitive disabilities enrolled in an elective course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives are contained within a broad framework in which individualized academic and transition needs of the student are addressed. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	09	12
2019-2020	600556	AAS Project SEARCH	A one-year high school transition program, hosted at a business site, to include classroom instruction, career exploration, and on the job training. Students are supported by job coaches during three internship opportunities. The LEA, through an application process, determines acceptance to the program. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	650202	AAS:Reading Beyond 1	First year course after cohort exit year. Reading curriculum and goals are based on student’s academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	650302	AAS:Reading Beyond 2	Second year course after cohort exit year. Reading curriculum and goals are based on student’s academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	650402	AAS:Reading Beyond 3	Third year course after cohort exit year. Reading curriculum and goals are based on student’s academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	650502	AAS:Reading Beyond 4	Fourth year course after cohort exit year. Reading curriculum and goals are based on student’s academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	650602	AAS:Mathematics Beyond 1	First year course after cohort exit year. Math curriculum and goals are based on student’s academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	650802	AAS:Mathematics Beyond 2	Second year course after cohort exit year. Math curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	650902	AAS:Mathematics Beyond 3	Third year course after cohort exit year. Math curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	651002	AAS:Mathematics Beyond 4	Fourth year course after cohort exit year. Math curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	651112	AAS:Community-Based Instruction Beyond 1	First year course after cohort exit year. Course objectives emphasize learning beyond the classroom through community integration. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	651302	AAS:Community-Based Instruction Beyond 2	Second year course after cohort exit year. Course objectives emphasize learning beyond the classroom through community integration. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	651402	AAS:Community-Based Instruction Beyond 3	Third year course after cohort exit year. Course objectives emphasize learning beyond the classroom through community integration. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	651502	AAS:Community-Based Instruction Beyond 4	Fourth year course after cohort exit year. Course objectives emphasize learning beyond the classroom through community integration. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	651612	AAS: Life Skills Beyond 1	First year course after cohort exit year. Course objectives emphasize increasing independence and self-determination skills. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	652105	AAS:Life Skills Beyond 2	Second year course after cohort exit year. Course objectives emphasize increasing independence and self-determination skills. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	652205	AAS:Life Skills Beyond 3	Third year course after cohort exit year. Course objectives emphasize increasing independence and self-determination skills. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	653105	AAS:Life Skills Beyond 4	Fourth year course after cohort exit year. Course objectives emphasize increasing independence and self-determination skills. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	653205	AAS:Vocational Beyond 1	First year course after cohort exit year. Course objectives emphasize increasing job readiness and employability skills. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	653215	AAS:Vocational Beyond 2	Second year course after cohort exit year. Course objectives emphasize increasing job readiness and employability skills. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	654105	AAS:Vocational Beyond 3	Third year course after cohort exit year. Course objectives emphasize increasing job readiness and employability skills. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	654205	AAS:Vocational Beyond 4	Fourth year course after cohort exit year. Course objectives emphasize increasing job readiness and employability skills. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	654207	AAS: Elective Beyond 1	First year course after cohort exit year. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	654209	AAS:Elective Beyond 2	Second year course after cohort exit year. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	655105	AAS:Elective Beyond 3	Third year course after cohort exit year. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12
2019-2020	655210	AAS:Elective Beyond 4	Fourth year course after cohort exit year. Curriculum and goals are based on student's academic and transition needs as identified in his or her IEP. A special education teacher will be considered properly certified to teach students with disabilities who take AAS courses at any grade level if valid Alabama certification is held in one of the following – Collaborative Special Education K-6; Collaborative Special Education 6-12; Early Childhood Special Education P-3; or Special Education P-12, excluding gifted.	12	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	700005	English Essentials-9	This ninth grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700006	English Essentials-10	This tenth grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.	10	12
2019-2020	700007	English Essentials-11	This eleventh grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.	11	12
2019-2020	700008	English Essentials-12	This twelfth grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment. Teachers must meet highly qualified teacher status for the appropriate course and grade.	12	12
2019-2020	700015	Algebraic Concepts	The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials/Life Skills Pathway. This course provides students with prerequisite algebra skills identified in the general education math courses. The course includes essential concepts to prepare students for Algebraic Essentials A & B. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700016	Algebraic Essentials-A	The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials/Life Skills Pathway. This course provides students with foundational skills identified in the first half of the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700017	Algebraic Essentials-B	The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content course content for students following the Essentials/Life Skills Pathway. This course provides students with foundational skills identified in the second half of the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700018	Geometry Essentials-A	The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials/Life Skills Pathway. This course provides students with foundational skills identified in the first half of the general education Geometry course. The course includes essential concepts to equip students with the geometry skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12



**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	700019	Geometry Essentials-B	The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials/Life Skills Pathway. This course provides students with foundational skills identified in the second half of the general education Geometry course. The course includes essential concepts to equip students with the geometry skills necessary for employment and independent living skills. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700031	Essentials I:World History	This course is a study of world history from 1500 to the present. Students are able to apply and utilize their knowledge to develop informed opinions about issues such as the quest for peace, human rights, trade, global ecology and the impact each has on everyday life situations. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700032	Essentials II: U.S. History to 1877	This course follows a chronological study of major events, issues, movements, leaders, and groups of people of the United States through Reconstruction from a national and Alabama perspective. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700033	Essentials III:U.S. History from 1877	This course begins with the post-Reconstruction United States and its shift into a more industrialized society and continues through the twentieth century to the present. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700034	Essentials IV: Economics	This course is a one-semester course that focuses on the functions and institutions of modern-day economic systems and theory. Students gain skills that will enable them to anticipate changes in economic conditions and how to adjust to the changes to improve their lives and their communities. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700035	Essentials IV:U. S. Government	This course is a one-semester course that focuses on the origins, structure, and functions of government at all levels. It also includes a detailed study of the constitution of the United States and its provisions. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	700041	Transition Services II	This code applies to teachers teaching transition skills to high school students. This course will provide additional transitional services preparation for students to become self-advocates, participate in postsecondary education and/or training to gain meaningful employment and support community participation as they plan for life after high school. This course meets the requirement for the Essentials/Life Skills Pathway. Teachers for this course do not have to meet the highly qualified teacher status.	09	12
2019-2020	700043	Essentials Career Preparation	This code applies to teachers teaching work-based experience to high school students. Work-based experiences can be an apprenticeship (paid) or an internship(unpaid). The student should have a minimum of 140 successful hours under the supervision of a workplace mentor and the special education teacher and/or a representative of vocational rehabilitation services. This course meets the requirement of the Essentials/Life Skills Pathway. Teachers for this course do not have to meet the highly qualified teacher status.	09	12
2019-2020	750101	Essentials: Physical Science	This course is designed to provide students with practical knowledge of Physical Science including scientific process and application skills; periodic table; solutions; bonding; chemical formulas; physical and chemical change; gravitational, electromagnetic, and nuclear forces; motion; energy; energy transformation; electricity and magnetism; nuclear science; metric units. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	750201	Essentials: Biology	This course is designed to provide students with practical knowledge of Biology including process and application skills; cell processes; cell theory; photosynthesis and cellular respiration; genetics; classification; plants; animals; ecology; biogeochemical cycles. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	750301	Essentials: Earth and Space Science	This course is designed to provide students with practical knowledge of Earth and Space Science including scientific process and application skills; energy in the Earth system; weather; seasons; theories for origin and age of the universe; stars, pulsars, quasars, black holes, and galaxies; Earth and space scientists; space exploration. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	750401	Essentials: Environmental Science	This course is designed to provide students with a practical knowledge of Environmental Science including scientific process and application skills; natural and human impacts; carrying capacity; renewable and nonrenewable energy resources; properties and importance of water; land use practices; composition and erosion of soil. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	750501	Essentials: Human Anatomy and Physiology	This course is designed to provide students with a practical knowledge of Human Anatomy and Physiology including scientific process and application skills; anatomical terminology; structure and function of cells, tissues, and body systems; biochemistry; system regulation and integration. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	750601	Algebraic Essentials	This course combines Algebraic Essentials A and B into a one year, one-credit course. The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials pathway. This course provides students with foundational skills identified in the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	750651	Geometry Essentials	This course that combines Geometry Essentials A and B into a one year, one-credit course. The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials pathway. This course provides students with foundational skills identified in the general education Geometry course. The course includes essential concepts to equip students with the geometry skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	750701	Essentials Algebra II	The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials pathway. This course provides students with foundational skills identified in the general education Algebra II course. The course includes algebra concepts to equip students with more advanced algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	750751	Essentials Algebra II with Trig	The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials pathway. This course provides students with foundational skills identified in the general education Algebra II with Trig course. The course includes algebra concepts to equip students with more advanced algebra and trigonometry skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	750801	Essentials Algebra with Finance	The Curriculum Guide to the Standards: Algebra with Finance contains the course content for students following the Essentials pathway. This course integrates foundational algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. These skills are identified in the general education Algebra with Finance course. The course includes real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting, and planning for retirement in order to equip students with the skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade.	09	12
2019-2020	801100	Homeroom, Grades PK-6	A class in which pupils meet at certain times under the supervision of a teacher who takes attendance and administers other school business.	PK	06
2019-2020	801101	Conduct, Grades PK-6 (No Credit)	Complying with the school Code of Conduct and classroom rules, procedures, and regulations.	PK	06
2019-2020	801102	Lunch, Grades PK-6	Time allocated for lunch.	PK	06
2019-2020	801103	Social/Developmental Skills, Grades PK-6 (No Credit)	Acquisition of social and behavioral skills.	PK	06
2019-2020	801104	Study Hall, Grades PK-6	Supervised independent study.	PK	06
2019-2020	801105	Orientation, Grades PK-6	Introduction to school/classroom policies, procedures, and culture.	PK	06
2019-2020	801106	Student Aide, Grades PK-6 (No Credit)	Supervised student assistance, e.g., Teacher Aide, Office Aide, Lab Assistant.	PK	06
2019-2020	801107	Peer Helper, Grades PK-6 (No Credit)	Supervised tutoring services offered by students.	PK	06
2019-2020	801108	Extracurricular, Grades PK-6 (No Credit)	Non-academic, supervised activity, e.g., dance team, marching band, cheerleading, competitive athletic teams.	PK	06
2019-2020	801109	Hobbies, Grades PK-6 (No Credit)	Opportunity for a student to explore a new interest in a supervised activity. Activities such as reading, creative writing, sports, computer games, chess, music, dance, foreign languages, and art that give an extra intellectual challenge.	PK	06
2019-2020	801110	Club/Activity, Grades PK-6	School-sponsored sessions, e.g., National Honor Society, Beta Club, Mu Alpha Theta, Academic Team, Book Club.	PK	06
2019-2020	801111	Schedule Filler, Grades PK-6	School code for scheduling non-full-day students or assisting in grouping students in the schedule development process, e.g., Zero Period, Lunch A.	PK	06
2019-2020	801112	Early Childhood Inclusive PK-3	Teachers who hold a valid certificate in general education or special education, including preschool, may teach a child who is eligible for any disability area in accordance with the Individual with Disabilities Education Act (IDEA).	PK	03
2019-2020	801200	Enrichment, Grades PK-6	Enhanced learning activities.	PK	06
2019-2020	801201	Conduct, Grades PK-6 (Credit)	Complying with the school Code of Conduct and classroom rules, procedures, and regulations.	PK	06
2019-2020	801202	School Publications, Grades PK-6	Assisting in production/maintenance of school publications, e.g., Yearbook, Newspaper, E-papers, Web site maintenance, Newsletter.	PK	06
2019-2020	801203	Social/Developmental Skills, Grades PK-6 (Credit)	Acquisition of social and behavioral skills.	PK	06
2019-2020	801204	Content Textual Reading, Grades PK-6	Reading skills, with an emphasis on reading comprehension, across all subjects, above and beyond instruction provided in required courses.	PK	06
2019-2020	801205	Transferred Elective, Grades PK-6	Code for any elective course of transfer student for which no state code is listed.	PK	06
2019-2020	801206	Student Aide, Grades PK-6 (Credit)	Supervised student assistance that involves learning new skills, e.g., Library/Media Aide, Special Education Aide.	PK	06

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	801207	Peer Helper, Grades PK-6 (Credit)	Supervised tutoring services offered by students who have completed training in peer tutoring strategies.	PK	06
2019-2020	801208	Extracurricular, Grades PK-6 (Credit)	Non-academic, supervised activity, e.g., dance team, marching band, cheerleading, competitive athletic teams.	PK	06
2019-2020	801209	Hobbies, Grades PK-6 (Credit)	Opportunity for a student to explore a new interest in a supervised activity. Activities such as reading, creative writing, sports, computer games, chess, music, dance, foreign languages, and art that give an extra intellectual challenge.	PK	06
2019-2020	801210	Gifted	Teachers who hold a Special Education Certificate endorsed in gifted, or Special Alternative Certificate (Grades P-12) endorsed in gifted, or Interim Certificate (Grades P-12) endorsed in gifted.	PK	06
2019-2020	802100	Homeroom/Advisory, Grades 6-12	A class in which pupils meet at certain times under the supervision of a teacher who takes attendance and administers other school business.	06	12
2019-2020	802101	Conduct, Grades 6-12 (No Credit)	Complying with the school Code of Conduct and classroom rules, procedures, and regulations.	06	12
2019-2020	802102	Lunch, Grades 6-12	Time allocated for lunch.	06	12
2019-2020	802103	Social/Developmental Skills, Grades 6-12 (No Credit)	Acquisition of social and behavioral skills.	06	12
2019-2020	802104	Study Hall, Grades 6-12	Supervised independent study.	06	12
2019-2020	802105	Orientation, Grades 6-12	Introduction to school/classroom policies, procedures, and culture.	06	12
2019-2020	802106	Student Aide, Grades 6-12 (No Credit)	Supervised student assistance, e.g., Teacher Aide, Office Aide, Lab Assistant.	06	12
2019-2020	802107	Peer Helper, Grades 6-12 (No Credit)	Supervised tutoring services offered by students.	06	12
2019-2020	802108	Extracurricular, Grades 6-12 (No Credit)	Non-academic, supervised activity, e.g., dance team, marching band, cheerleading, competitive athletic teams.	06	12
2019-2020	802109	Hobbies, Grades 6-12 (No Credit)	Opportunity for a student to explore a new interest in a supervised activity. Activities such as reading, creative writing, sports, computer games, chess, music, dance, foreign languages, and art that give an extra intellectual challenge.	06	12
2019-2020	802110	Club/Activity, Grades 6-12	School-sponsored sessions, e.g., National Honor Society, Beta Club, Mu Alpha Theta, Academic Team, Book Club.	06	12
2019-2020	802111	Schedule Filler, Grades 6-12	School code for scheduling non-full-day students or assisting in grouping students in the schedule development process, e.g., Zero Period, Lunch A.	06	12
2019-2020	802112	REACH Advisory (No Credit)	A class in which students meet at certain times under the supervision of a faculty advisor who facilitates REACH Advisory lessons and serves as an advocate for their students.	05	12
2019-2020	802113	Gifted	Teachers who hold a Special Education Certificate endorsed in gifted, or Special Alternative Certificate (Grades P-12) endorsed in gifted, or Interim Certificate (Grades P-12) endorsed in gifted.	07	12
2019-2020	802200	Enrichment, Grades 6-12	Enhanced learning activities.	06	12
2019-2020	802201	Conduct, Grades 6-12 (Credit)	Complying with the school Code of Conduct and classroom rules, procedures, and regulations.	06	12
2019-2020	802202	School Publications, Grades 6-12	Assisting in production/maintenance of school publications, e.g., Yearbook, Newspaper, E-papers, Web site maintenance, Newsletter.	06	12
2019-2020	802203	Social/Developmental Skills, Grades 6-12 (Credit)	Acquisition of social and behavioral skills.	06	12
2019-2020	802204	Content Textual Reading, Grades 6-12	Reading skills, with an emphasis on reading comprehension, across all subjects, above and beyond instruction provided in required courses.	06	12

**2019-2020 Academics and Electives Subject and Personnel Course Descriptions  
(May 2019)**

**Summer 2019 Update**

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2019-2020	802205	Transferred Elective, Grades 6-12	Code for any elective course of transfer student for which no state code is listed.	06	12
2019-2020	802206	Student Aide, Grades 6-12 (Credit)	Supervised student assistance that involves learning new skills, e.g., Library/Media Aide, Special Education Aide.	06	12
2019-2020	802207	Peer Helper, Grades 6-12 (Credit)	Supervised tutoring services offered by students who have completed training in peer tutoring strategies.	06	12
2019-2020	802208	Extracurricular, Grades 6-12 (Credit)	Non-academic, supervised activity, e.g., dance team, marching band, cheerleading, competitive athletic teams.	06	12
2019-2020	802209	Hobbies, Grades 6-12 (Credit)	Opportunity for a student to explore a new interest in a supervised activity. Activities such as reading, creative writing, sports, computer games, chess, music, dance, foreign languages, and art that give an extra intellectual challenge.	06	12
2019-2020	802210	Survey Elective, Grades 6-8	Exploring the areas of arts education, career and technical education, and/or languages other than English in middle school.	06	08
2019-2020	802211	REACH Advisory (Credit)	A class in which students meet at certain times under the supervision of a faculty advisor who facilitates REACH Advisory lessons and serves as an advocate for their students. 0.25 Credit may be awarded each school year for a maximum of 1.0 Credit per student may be earned.	09	12